ECG212R
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16TH Edition

ECG®

Semiconductors

Master Replacement Guide

- Industrial
- Commercial
- Entertainment

– Equipment Maintenance and Repair



ECG Semiconductor Master Replacement Guide - ECG212R

The 16th Edition ECG Semiconductor Master Guide features approximately **276,000 crosses** and over **175 new devices,** including new product families. Product additions are summarized on pages 1-1 and 1-2 and are identified by type number in the numerical Product Index, beginning on page 1-5. Complementing this expansion are new selector guides and numerous other refinements, all designed to further simplify choosing the best ECG replacement type for the application.

The ECG Semiconductor product line encompasses a wide variety of high quality devices (nearly 4,000) which meet Entertainment and Industrial/Commercial MRO replacement needs. Upgrading with ECG Semiconductors can reduce frequency of repair and minimize replacement parts inventory. ECG Semiconductors can be used with confidence and are available through an international network of electronic parts distributors.

The technical data given on the following pages are intended to show safe areas of ECG device operation and level of performance. They are not to be considered limits for new equipment design. We cannot guarantee that the listed items provide an exact replacement in all applications.

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- **Audio/Video Products**
- **Cable Converters**
- **Capacitors**
- **Chemicals**
- **Circuit Designers**
- **Cube Timers**
- **EMF™ Surge Suppressors**
- **Flameproof Resistors**
- **Flyback Transformers**
- **Input/Output Modules**
- **Logic Circuit Test Probes**
- **Multimeters**
- **Oscilloscope Test Probes**
- **Rechargeable Batteries**
- **Relays and Accessories**
- **Remote Control Transmitter Tester**
- **Thermometers**
- **TV Accessories**
- **VCR Mechanical Parts**
- **VCR Modulators**
- **Wiring Accessories**

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What's New!!

New products have been added in many categories. Following is a summary of the items which are new in Master Guide ECG212R.

New Products —

Transistors (29), Page 1-36

- 9 Small Signal Transistors
- 7 Power and Switching Transistors
- 13 Power MOSFETs

Diodes and Rectifiers (4), Page 1-95

- 1 Fast Switching Rectifier
- 1 PIN Diode
- 2 Schottky Barrier Rectifiers

Transient Suppressors (13), Page 1-120

- 2 MOVs
- 11 Surge Arresters, Gas Filled

Optoelectronics (6), Page 1-125

- 1 Discrete LED Indicator
- 3 Photo Transistor Detectors
- 2 Optoisolators

Linear ICs (124), Page 1-148

For Entertainment

- 26 Types for Audio Applications
- 2 Types for PCs
- 26 Types for TV Applications
- 24 Types for VCR Applications

For Industrial Use

- 1 Bucket Brigade
- 1 Frequency to Voltage Converter
- 5 Pulse Width Modulators
- 1 Timing Circuit
- 1 Voltage Reference
- 35 Voltage Regulators
- 2 Miscellaneous

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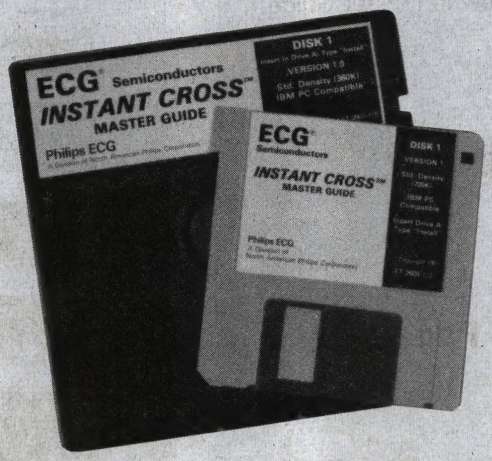
- 2 Sockets for DIPs
- 1 PLCC Socket

Additions and Changes

- New products supplied by ECG, other than semiconductors, have been added to the catalog pages at the back of the guide (page 3-1).

Product Index A
Repl. Procedures B
Transistors C
Surface Mount Transistor Selector Guide D
Hi Voltage Devices E
Diodes/Rectifiers F
SCRs/TRIACs G
Spec. Purpose Dev. H
Transient Supp. I
Crystals J
Opto Devices K
Thermal Cut-Offs IC Protectors L
Ind. Power Modules M
Linear ICs N
Digital ICs O
Interface/MPU ICs P
Access./Heat Sinks Q
CROSS REFERENCE R
Additional ECG Products S

Industry's Largest Semiconductor Cross Reference *Now* on Disks!



New *INSTANT CROSS™* software gives ECG® replacement, description, case style, special notes instantly. Now over 275,00 industry part numbers and 4,000 ECG semiconductor products. For IBM-PCs and compatibles with MS-DOS, 640K RAM, hard drive and disk drive. At your local Philips ECG distributor.

How to Use the ECG Master Replacement Guide

Locating A Replacement Device

1. **Consult the Cross Reference section.** This section begins on page 2-1 and is arranged as follows:

   Parts Starting with a Number Are Listed Before Those Starting with a Letter.

   A. Parts starting with a number are listed in order of the numbers occurring before a dash or letter. Examples:

      000000FR2
      .25N6.8
      4-2020-03173
      4202003173

   B. Parts with a dash after a series of numbers are listed ahead of parts with a letter after the same series of numbers. Example:

      48-155001
      48S155001

   C. Parts starting with a letter are listed in alphabetical order of the letters occurring before a dash or number. Example:

      MPS-A20
      MPSA20

   D. Part numbers frequently misread are:

      1. Zero for letter O and vice versa.
      2. One for letter I or L or vice versa.
      3. The Greek letter mu (μ) may be found under either the letter M or U. Check both.

2. **Verify the replacement.** Your application may differ from the norm. It would be to your advantage to verify the replacement part for your particular application. Refer to the Product Index starting on page 1-5. This will direct you to the page number in the Master Guide where the technical data will be found. You may then verify physical dimensions and electrical characteristics.

3. **If a cross reference replacement is not found.** In the event that the cross reference section does not show a replacement, you should first consider the possibility of a no suffix or different suffix replacement. (i.e., 2SC281E is not found in the cross reference section. However, 2SC281 is found and is replaced by ECG123A). The next step is to refer to the Product Index and locate the data page for ECG123A, then compare parameters and physical data, as shown, with your requirements.

   If this procedure does not yield a useable replacement, or no similar types appear in the cross reference section, you may then use one of the following procedures for locating a replacement.

   A. When published information is available, compare the parameters of the device to be replaced with the listed parameters of comparable ECG devices.

   B. When published information is not available, follow the procedure for selecting devices for unlisted types found on pages 1-31 to 1-32.

   C. In the event that none of the above procedures produces a suitable replacement, you may use our 'Personalized Service for Unlisted Types' described on page 1-32.

4. **Dimensions for outline figures.** All dimensions are inches with millimeter equivalent in parentheses.

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2V035	1-120	S11-2	Varistor, Metal Oxide, 35 V RMS
2V040	1-120	S11-2	Varistor, Metal Oxide, 40 V RMS
2V050	1-120	S11-2	Varistor, Metal Oxide, 50 V RMS
2V060	1-120	S11-2	Varistor, Metal Oxide, 60 V RMS
2V075	1-120	S11-2	Varistor, Metal Oxide, 75 V RMS
2V095	1-120	S11-2	Varistor, Metal Oxide, 95 V RMS
2V115	1-120	S11-2	Varistor, Metal Oxide, 115 V RMS
2V130	1-120	S11-2	Varistor, Metal Oxide, 130 V RMS
2V150	1-120	S11-2	Varistor, Metal Oxide, 150 V RMS
2V250	1-120	S11-2	Varistor, Metal Oxide, 250 V RMS
2V275	1-120	S11-2	Varistor, Metal Oxide, 275 V RMS
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17	1-36	T20-3	T-PNP, Si-Gen Purp Amp, Lo Noise (Compl to ECG16)
18	1-36	T20-3	T-NPN, Si-AF Dr, Gen Purp Amp (Compl to ECG19)
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25	1-36	T17	T-PNP, Si-Gen Purp Amp, Sw (Compl to ECG24)
26	1-36	T13-1	T-NPN, Si-Audio Amp, Lo Noise
27	1-36	T28A	T-PNP, Ge-Hi Current Gen Purp Amp
28	1-36	T29A	T-PNP, Ge-Hi Current Gen Purp Amp
29	1-36	T28A	T-NPN, Si-Hi Pwr Amp, Sw (Compl to ECG30)
30	1-36	T28A	T-PNP, Si-Hi Pwr Amp, Sw (Compl to ECG29)
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32	1-36	T18	T-PNP, Si-AF Amp (Compl to ECG31)
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34	1-36	T44	T-PNP, Si-Audio Pwr Amp (Compl to ECG33) - **Disc.**
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88	1-39	T28	T-PNP, Si, Hi Pwr Audio Amp, Sw
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138A	1-100	Z3A	ZD-7.5 V, 1 W (2/Pkg)
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162	1-41	T28	T-NPN, Si, Vert Defl
163A	1-41	T28	T-NPN, Si, Horiz Defl
164	1-41	T28	T-NPN, Si, Vert Defl
165	1-41	T28	T-NPN, Si, Horiz Defl
166	1-101	Z23	R-Si, Bridge, 100 PRV, 2 A
167	1-101	Z23	R-Si, Bridge, 200 PRV, 2 A
168	1-101	Z23	R-Si, Bridge, 400 PRV, 2 A
169	1-101	Z23	R-Si, Bridge, 600 PRV, 2 A
170	1-101	Z23	R-Si, Bridge, 1000 PRV, 2 A
171	1-41	T38	T-NPN, Si, AF/Vid Amp
172A	1-41	T16	T-NPN, Si, Darlington Amp, AF, Sw
175	1-41	T25	T-NPN, Si, AF PO
176	1-41	T6	T-PNP, Ge, AF PO
177	1-95	Z4	D-Si, Gen Purp Det, 200 PRV
178MP	1-95	Z5	D-Si, AFC, AFT, 50 PRV
179	1-41	T28	T-PNP, Ge, AF Amp
179MP	1-41	T28	T-PNP, Ge, Matched Pair of ECG179
180	1-41	T28	T-PNP, Si, AF Amp
180MCP	1-41	T28	T-Matched Compl Pair of ECG181 and ECG180
181	1-41	T28	T-NPN, Si, AF Amp
181MP	1-41	T28	T-NPN, Si, Matched Pair of ECG181
182	1-41	T46	T-NPN, Si, AF PO - **Disc.**
183	1-41	T46	T-PNP, Si, AF PO - **Disc.**
184	1-41	T45	T-NPN, Si, AF PO
184MP	1-41	T45	T-NPN, Si, Matched Pair of ECG184
185	1-41	T45	T-PNP, Si, AF PO
185MCP	1-41	T45	T-Matched Compl Pair of ECG184 and ECG185
186	1-41	T38	T-NPN, Si, AF PO
186A	1-41	T39	T-NPN, Si, AF PO/CB Dr
187	1-41	T38	T-PNP, Si, AF PO
187A	1-41	T39	T-PNP, Si, AF PO
188	1-41	T36	T-NPN, Si, AF Dr, PO
189	1-41	T36	T-PNP, Si, AF Dr, PO
190	1-41	T36	T-NPN, Si, AF PO, Horiz Dr
191	1-41	T36	T-NPN, Si, HV AF/Vid Amp
192	1-41	T21	T-NPN, Si, AF PO - **Disc.**
192A	1-41	T22	T-NPN, Si, AF PO - **Disc.**
193	1-41	T21	T-PNP, Si, AF PO
193A	1-42	T22	T-PNP, Si, AF PO
194	1-42	T16	T-NPN, Si, HV, Gen Purp Amp
195A	1-42	T6	T-NPN, Si, CB RF PO/Dr
196	1-42	T41	T-NPN, Si, AF PO
197	1-42	T41	T-PNP, Si, AF PO
198	1-42	T41	T-NPN, Si, HV AF, Sw
199	1-42	T16	T-NPN, Lo Noise, Hi Gain Preamp
201	1-364	AS34	Connector for Cartridge LED/Lamp Indicator (2/Pkg)
202	---	---	Circuit Breaker, 1 A - **Disc.**
206	1-133	---	Pilot Lamp Assembly, 6 V - **Disc.**
207	1-133	---	Pilot Lamp Assembly, 120 V - **Disc.**
209	1-364	AS9	Standard Socket for TO-3 Package (2/Pkg)
210	1-42	T38	T-NPN, Si, AF PO, Sw
211	1-42	T38	T-PNP, Si, AF PO, Sw
213	1-42	T29	T-PNP, Ge, Hi Current, Pwr
214	1-42	T48-1	T-NPN, Darl 70 V, 10 A, hfe=2000 (min)
215	1-42	T48-1	T-NPN, Darl 110 V, 8 A, hfe=1500 (min)
216	1-42	T17	T-NPN, Si, Hi Speed Sw, Core Driver
217	1-42	T17	T-PNP, Si, Hi Speed Sw, Amp
218	1-42	T25	T-PNP, Si, AF PO
219	1-42	T28	T-PNP, Si, AF PO, Sw
219MCP	1-42	T28	T-Matched Compl Pair of ECG130 and ECG219
220	1-42	T4	MOSFET-N-Ch, VHF Amp/Mix
221	1-42	T4	MOSFET-N-Ch, VHF Amp/Mix
222	1-42	T4	MOSFET-N-Ch, VHF Amp/Mix
224	1-42	T23	T-NPN, Si, RF PO, 27 MHz
225	1-42	T23	T-NPN, Si, AF, Vid, Sw
226	1-42	T26	T-PNP, Ge, AF PO
226MP	1-42	T26	T-PNP, Ge, Matched Pair of ECG226
227	1-42	T17	T-NPN, Si, HV Amp, Video Out
228A	1-42	T39	T-NPN, Si, Hi Speed Sw, AF/Vid PO - **Disc.**
229	1-43	T16	T-NPN, Si, VHF Osc/Mxr, IF Amp
230	1-111	Z42	SCR-Horiz Defl, Switching
231	1-111	Z42	SCR-Horiz Defl, Switching
232	1-43	T16	T-PNP, Si, Darl Amp
233	1-43	T16	T-NPN, Si, Final Vid IF Amp
234	1-43	T16	T-PNP, Si, AF Preamp-Lo Noise Hi Gain
235	1-43	T41	T-NPN, Si, VHF PO (5.0 W at 50 MHz)
236	1-43	T41	T-NPN, Si, VHF PO (13 W at 50 MHz)
237	1-43	T24	T-NPN, Si, VHF PO (3 W at 27 MHz)
238	1-43	T28	T-NPN, Si, Horiz Defl
239	1-119	S8	SCS-Switching, TV Vert Osc
240	1-43	T36	T-PNP, Si, HV AF Amp
241	1-43	T41	T-NPN, Si, AF PO, Sw
242	1-43	T41	T-PNP, Si, AF PO, Sw
243	1-43	T28	T-NPN, Darl 80 V, 8 A, hfe = 3000 (typ)
244	1-43	T28	T-PNP, Darl 80 V, 8 A, hfe = 3000 (typ)
245	1-43	T28	T-NPN, Darl 80 V, 10 A, hfe = 4000 (typ)
246	1-43	T28	T-PNP, Darl 80 V, 10 A, hfe = 4000 (typ)
247	1-43	T28	T-NPN, Darl 100 V, 12 A, hfe = 3500 (typ)
248	1-43	T28	T-PNP, Darl 100 V, 12 A, hfe = 3500 (typ)
249	1-43	T28	T-NPN, Darl 100 V, 16 A, hfe = 3500 (typ)
250	1-43	T28	T-PNP, Darl 100 V, 16 A, hfe = 3500 (typ)
251	1-43	T28	T-NPN, Darl 100 V, 20 A, hfe = 2400 (typ)
252	1-43	T28	T-PNP, Darl 100 V, 20 A, hfe = 2400 (typ)
253	1-43	T45	T-NPN, Darl 80 V, 4 A, hfe = 2000 (typ)
254	1-43	T45	T-PNP, Darl 80 V, 4 A, hfe = 2000 (typ)
255	1-43	T17	T-NPN, Si-Horiz Driver, Amp, Sw
256	1-43	T48	T-NPN, Darl 450 V, 20 A, hfe = 50 (min)
257	1-43	T46	T-NPN, Darl 80 V, 5 A, hfe = 750 (min) - **Disc.**
258	1-43	T46	T-PNP, Darl 80 V, 5 A, hfe = 750 (min)
259	1-43	T46	T-NPN, Darl 100 V, 8 A, hfe = 2500 (typ) - **Disc.**
260	1-44	T46	T-PNP, Darl 100 V, 8 A, hfe = 2500 (typ) - **Disc.**
261	1-44	T41	T-NPN, Darl 80 V, 8 A, hfe = 1000 (min
262	1-44	T41	T-PNP, Darl 80 V, 8 A, hfe = 1000 (min)
263	1-44	T41	T-NPN, Darl 80 V, 10 A, hfe = 1000 (min)
264	1-44	T41	T-PNP, Darl 80 V, 10 A, hfe = 1000 (min)
265	1-44	T38	T-NPN, Darl 50 V, 500 mA, hfe = 10,000 (min)
266	1-44	T38	T-NPN, Darl 50 V, 500 mA, hfe = 40,000 (min)
267	1-44	T38	T-NPN, Darl 30 V, 500 mA, hfe = 90,000 (min)
268	1-44	T38	T-NPN, Darl 50 V, 2 A, hfe = 1000 (min)
269	1-44	T38	T-PNP, Darl 50 V, 2 A, hfe = 1000 (min)

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270	1-44	T48	T-NPN, Darl 100 V, 10 A, hfe = 1000 (min)
271	1-44	T48	T-PNP, Darl 100 V, 10 A, hfe = 1000 (min)
272	1-44	T36	T-NPN, Darl 40 V, 2 A, hfe = 25,000 (min)
273	1-44	T36	T-PNP, Darl 40 V, 2 A, hfe = 25,000 (min)
274	1-44	T25	T-NPN, Darl 80 V, 4 A, hfe = 3000 (typ)
275	1-44	T25	T-PNP, Darl 80 V, 4 A, hfe = 3000 (typ)
276	1-111	Z44	SCR-Gate Controlled Switch, TV Horiz Output
278	1-44	T6	T-NPN, Si, Broadband RF Amp, CATV/MATV/ COMM
279A	1-111	Z37	SCR-Gate Controlled Switch, Horiz Output
280	1-44	T28	T-NPN, Si, AF PO, Pd 100 W
280MP	1-44	T28	T-NPN, Si, Matched Pair of ECG280
281	1-44	T28	T-PNP, Si, AF PO, Pd 100 W
281MCP	1-44	T28	T-Matched Compl Pair of ECG280 and ECG281
283	1-44	T28	T-NPN, Si, HV-Hi Current Sw and TV Horiz Output
284	1-44	T28	T-NPN, Si, AF PO, Pd 150 W
284MP	1-44	T28	T-NPN, Si, Matched Pair of ECG284
285	1-44	T28	T-PNP, Si, AF PO, Pd 150 W
285MCP	1-44	T28	T-Matched Compl Pair of ECG284 and ECG285
286	1-44	T25	T-NPN, Si, PO/Sw, TV Horiz Output
287	1-44	T16	T-NPN, Si, HV Gen Purp Amp, Ft = 50 MHz
288	1-44	T16	T-PNP, Si, HV Gen Purp Amp, Ft = 50 MHz
289A	1-44	T16	T-NPN, Si, AF PO, Pd 0.6 W
289AMP	1-44	T16	T-NPN, Si, Matched Pair of ECG289A
290A	1-45	T16	T-PNP, Si, AF PO, Pd 0.6 W
290AMCP	1-45	T16	T-Matched Compl Pair of ECG289A and ECG290A
291	1-45	T41	T-NPN, Si, PO and Sw, Pd 40 W
292	1-45	T41	T-PNP, Si, PO and Sw, Pd 40 W
292MCP	1-45	T41	T-Matched Compl Pair of ECG291 and ECG292
293	1-45	T20	T-NPN, Si, AF PO, Pd .75 W
293MP	1-45	T20	T-NPN, Si, Matched Pair of ECG293
294	1-45	T20	T-PNP, Si, AF PO, Pd .75 W
295	1-45	T45	T-NPN, Si, RF PO, Dr, CB
297	1-45	T20	T-NPN, Si, AF PO, Dr, Pd .75 W
297MP	1-45	T20	T-NPN, Si, Matched Pair of ECG297
298	1-45	T20	T-PNP, Si, AF PO, Dr, Pd .75 W
300	1-45	T38	T-NPN, Si, AF PO, Pd 7 W
300MP	1-45	T38	T-NPN, Si, Matched Pair of ECG300
302	1-45	T37	T-NPN, Si, RF PO, Dr, Pd 8 W, CB
303	1-360	AC1	Single Application Heat Sink Compound
304A	1-54	---	Kit-24 Most Popular ECG Transistors
306	1-45	T37	T-NPN, Si, RF PO, Dr, Pd 8 W, CB
307	1-45	T38	T-PNP, Si, AF PO, Pd 7 W - **Disc.**
308	1-111	Z42	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Commutating, Sw
308P	1-111	Z41	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Commutating, Sw
309K	1-162	L11	IC-Regulator, 5 V, 1 Amp
310	1-111	Z42	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Trace, Sw
310P	1-111	Z41	Integrated Thyristor and Rectifier (ITR)-TV Horiz Defl Trace, Sw
311	1-45	T6	T-NPN, VHF/UHF Dr/Amp/PO, Pd 5 W
312	1-45	T16	JFET-N-Ch, VHF Amp/Mix
313	1-45	T49	T-NPN, Si, VHF Tuner Amp
314	1-108	Z43	SCR-Si, P-Gate, Pwr Regulator/Sw
315	1-45	T19	T-NPN, Si, RF Dr, CB
316	1-45	T4	T-NPN, Si, Lo Noise, UHF Amp
317	1-45	T58	T-NPN, Si, Final RF PO
318	1-45	T58	T-NPN, Si, Final RF PO
319P	1-45	T16	T-NPN, Si, AGC Cont, TV IF Amp
320	1-45	T55	T-NPN, Si, Final RF PO
320F	1-45	T57	T-NPN, Si, RF PO, VHF Marine & Mobile, 175 MHz, 40 W
321	1-45	T25	T-NPN, Si, Horiz Defl
323	1-45	T6	T-PNP, Si, AF Pwr Amp
324	1-46	T6	T-NPN, Si, AF Pwr Amp
325	1-46	T53	T-NPN, Si, RF Pwr Amp
326	1-46	T16	JFET-P-Ch, Gen Purp AF Amp
327	1-46	T28	T-NPN, Si, Pwr Amp, Sw
328	1-46	T28	T-NPN, Si, Pwr Amp, Sw
329	1-46	T6	T-NPN, Si, RF Pwr Amp, CB
330	1-46	T29	T-PNP, Ge, Fast Pwr Sw
330W	1-46	T29	ECG330 with Welded-On Wire Leads
331	1-46	T41	T-NPN, Si, AF PO, Reg, Sw
331MP	1-46	T41	T-NPN, Si, Matched Pair of ECG331
332	1-46	T41	T-PNP, Si, AF PO, Reg, Sw
332MCP	1-46	T41	T-Matched Compl Pair of ECG331 and ECG332
333	1-46	T57	T-NPN, Si, RF PO, 14-30 MHz, 60 W
334	1-46	T53	T-NPN, Si, RF PO, 14-30 MHz, 60 W
335	1-46	T58	T-NPN, Si, RF PO, 14-30 MHz, 80 W
336	1-46	T54	T-NPN, Si, RF PO, 14-30 MHz, 80 W
337	1-46	T53	T-NPN, Si, RF Dr, 27-50 MHz, 8 W
338	1-46	T53	T-NPN, Si, RF Dr & Output, 27-50 MHz, 20 W
338F	1-46	T57	T-NPN, Si, RF Dr & PO, FM, SSB, 50 MHz, 20 W
339	1-46	T54	T-NPN, Si, RF PO, 27-50 MHz, 40 W
340	1-46	T20	T-NPN, Si, RF PO, Dr, 136-174 MHz, 600 mW
341	1-46	T7	T-NPN, Si, RF PO, 136-174 MHz, 4 W
342	1-46	T42	T-NPN, Si, RF PO, 136-174 MHz, 7 W
343	1-46	T42	T-NPN, Si, RF PO, 136-174 MHz, 14 W
344	1-46	T59	T-NPN, Si, RF PO, 136-174 MHz, 30 W
345	1-46	T53	T-NPN, Si, RF PO, 136-174 MHz, 30 W
346	1-46	T6	T-NPN, Si, RF Dr & Predriver, 136-174 MHz, 1 W
347	1-46	T51	T-NPN, Si, RF PO, 136-174 MHz, 3 W
348	1-46	T53	T-NPN, Si, RF PO, 136-174 MHz, 4 W
349	1-46	T53	T-NPN, Si, RF PO, 136-174 MHz, 10 W
350	1-47	T53	T-NPN, Si, RF PO, 136-174 MHz, 15 W
350F	1-47	T57	T-NPN, Si, RF Pwr Marine & Mobile, 175 MHz, 15 W
351	1-47	T53	T-NPN, Si, RF PO, 136-174 MHz, 25 W
352	1-47	T60	T-NPN, Si, RF PO, 136-174 MHz, 80 W
353	1-47	T57	T-PNP, Si, RF PO, 136-174 MHz, 4 W
354	1-47	T57	T-PNP, Si, RF PO, 136-174 MHz, 15 W
355	1-47	T57	T-PNP, Si, RF PO, 136-174 MHz, 30 W
356	1-47	T57	T-PNP, Si, RF PO, 136-174 MHz, 40 W - **Disc.**
357	1-47	T51	T-NPN, Si, RF PO, 30-200 MHz, 7 W
358	1-124	S12	Xtal-Color Osc
358C	1-124	S18	Xtal-Color Osc
359	1-47	T53	T-NPN, Si, RF PO, 30-200 MHz, 20 W
360	1-47	T53	T-NPN, Si, RF PO, 30-200 MHz, 40 W
361	1-47	T7	T-NPN, Si, RF PO, 407-512 MHz, 2 W
362	1-47	T52	T-NPN, Si, RF PO, 407-512 MHz, 2 W
363	1-47	T52	T-NPN, Si, RF PO, 407-512 MHz, 4 W
364	1-47	T52	T-NPN, Si, RF PO, 407-512 MHz, 10 W
365	1-47	T60	T-NPN, Si, RF PO, 407-512 MHz, 15 W
366	1-47	T60	T-NPN, Si, RF PO, 407-512 MHz, 25 W
367	1-47	T60	T-NPN, Si, RF PO, 407-512 MHz, 45 W
368	1-47	T60	T-NPN, Si, RF PO, 407-512 MHz, 60 W
369	1-47	T25	T-NPN, Si, Vert Output, Sw
373	1-47	T45	T-NPN, Si, AF Driver
374	1-47	T45	T-PNP, Si, AF Driver
375	1-47	T41	T-NPN, Si, Vert Defl
376	1-47	T41	T-NPN, Si, Pwr Amp
377	1-47	T41	T-NPN, Si, Pwr Driver, PO, Sw, Reg
378	1-48	T41	T-PNP, Si, Pwr Driver, PO, Sw, Reg
379	1-48	T41	T-NPN, Si, HV Hi Speed Pwr Sw
381	1-48	T43	T-PNP, Si, AF Pwr Amp
382	1-48	T19	T-NPN, Si, AF Driver
383	1-48	T19	T-PNP, Si, AF Driver
384	1-48	T25	T-NPN, Si, Sw, Linear Amp
385	1-48	T28	T-NPN, Si, HV Hi Speed Sw
386	1-48	T28	T-NPN, Si, HV Hi Speed Sw
387	1-48	T28A	T-NPN, Si, Pwr Amp, Sw
387MP	1-48	T28	T-NPN, Si, Matched Pair of ECG387
388	1-48	T28	T-NPN, Si, Hi Pwr Amp (Compl to ECG68)
389	1-48	T28	T-NPN, Si, Horiz Output
390	1-48	T48	T-NPN, Si, Pwr Amp, Hi Speed Sw
391	1-48	T48	T-PNP, Si, Pwr Amp, Hi Speed Sw
392	1-48	T48	T-NPN, Si, Pwr Amp, Hi Speed Sw
393	1-48	T48	T-PNP, Si, Pwr Amp, Hi Speed Sw
394	1-48	T48	T-NPN, Si, HV Pwr Amp, Sw
395	1-48	T4	T-PNP, Si, Wide Band VHF/UHF Amp, Osc
396	1-48	T6	T-NPN, Si, Linear Amp & Hi Speed Sw
397	1-48	T6	T-PNP, Si, Linear Amp & Hi Speed Sw
398	1-48	T41	T-PNP, Si, Vert Output
399	1-48	T20	T-NPN, Si, Video Output, Horiz Dr
400	1-361	AH6	Heat Sink for TO-5 Style Package (2/Pkg)
401	1-361	AH7	Heat Sink for TO-5 Style Package (2/Pkg)
402	1-361	AH12	Heat Sink for Plastic Power Packages (2/Pkg)
403	1-361	AH11	Heat Sink for Plastic Power Packages (2/Pkg)
404	1-361	AH9	Heat Sink for TO-66 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts
405	1-361	AH10	Heat Sink for TO-3 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts
406	1-361	A2	Heat Sink for TO-202 Style Package (2/Pkg)
407	1-364	AS6	8-Pin Can, IC Socket (2/Pkg)
408	1-364	AS7	10-Pin Can, IC Socket (2/Pkg)
409	1-364	AS14	14-Pin DIP, IC Socket (2/Pkg)
411	1-361	AH4	Stud-Mount Heat Sink for TO-5 and TO-39 Style Package (2/Pkg)
412	1-361	AH5	Heat Sink for TO-18 Style Package (2/Pkg)
413	1-359	---	Insulator Kit for TO-3 Style Package
414	1-359	---	Insulator Kit for TO-36 Style Package with Flat Washer, Shaker Proof Lug, Nut and Plastic Insulating Tube
415	1-359	---	Insulator Kit for TO-66 Style Package
416	1-364	AS15	16-Pin DIP, IC Socket (2/Pkg)
417	1-364	AS2	3-Pin Transistor Socket for TO-18 Package (2/Pkg)
419	1-364	AS3	3-Pin Transistor Socket for TO-5 Package (2/Pkg)
421	1-364	AS10	Standard Socket for TO-66 Package (2/Pkg)
422	1-359	---	Insulator Kit for TO-220 Style Package
423	1-364	AS13	8-Pin DIP, IC Socket (2/Pkg)
424	1-360	AC2	Heat Sink Compound, 1-oz., with Plunger Tube
425A	1-368	---	Thermal Conductive Insulator for TO-3 Packages
425B	1-368	---	Thermal Conductive Insulator for TO-3 Packages
425C	1-368	---	Thermal Conductive Insulator for TO-3 Packages
425D	1-368	---	Thermal Conductive Insulator for TO-66 Package
425E	1-368	---	Thermal Conductive Insulator for TO-220 Package
425F	1-368	---	Thermal Conductive Insulator for TO-126 Package
425G	1-368	---	Thermal Conductive Insulator for DO-4 Package
425H	1-368	---	Thermal Conductive Insulator for DO-5 Package
425J	1-368	---	Thermal Conductive Insulator for TO-36 Package
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426	1-359	---	Metric Hardware Kit of 3mm, Nuts, Bolts, etc.
427	1-361	AH1	Heat Sink Kit for TO-5 and TO-39 Style Packages -Includes Heat Sink, 2 Bushings, 1 Mica
428	1-364	AS19	24-Pin DIP, IC Socket (2/Pkg)
429	1-365	AS20	28-Pin DIP, IC Socket (2/Pkg)
430	1-365	AS21	40-Pin DIP, IC Socket (1/Pkg)
431	1-364	AS11	Japanese Style Socket for TC-9 Package (2/Pkg)
432	1-360	AW1	Thread Converter, 3/8"-24 to 1/2"-20, for Stud Type Packages
433	1-360	AW2	HV Splice for CRT Anode Leads, 40 kV Insulation, Does Require Soldering
434	1-360	AC3	Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube
435K28	1-365	AS35	28-Pin DIP, IC Socket, .070 Ctrs (2/Pkg)
435K30	1-365	AS36	30-Pin DIP, IC Socket, .070 Ctrs (2/Pkg)
435K42	1-365	AS37	42-Pin DIP, IC Socket, .070 Ctrs
● 435K52	1-365	AS39	52-Pin DIP, IC Socket, .070 Ctrs (1/Pkg)
435K64	1-365	AS38	64-Pin DIP, IC Socket, .070 Ctrs
435P6	1-365	AS12	6-Pin DIP, IC Socket (2/Pkg)
435P18	1-365	AS16	18-Pin DIP, IC Socket (2/Pkg)
435P20	1-365	AS17	20-Pin DIP, IC Socket (2/Pkg)
435P22	1-366	AS18	22-Pin DIP, IC Socket (2/Pkg)
● 435P42	1-366	AS40	42-Pin DIP, IC Socket (1/Pkg)
435Q14	1-366	AS22	14-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)
435Q16	1-366	AS23	16-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)
436W8	1-366	AS24	8-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W14	1-366	AS25	14-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W16	1-366	AS26	16-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W18	1-366	AS27	18-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)
436W20	1-366	AS28	20-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W22	1-366	AS29	22-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W24	1-366	AS30	24-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W28	1-367	AS31	28-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
436W40	1-367	AS32	40-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)
437X18	1-367	AS33	Crystal Socket for HC-18 Case with .017" Diameter Cut Leads
437X33	1-367	AS34	Crystal Socket for HC-33 Case with .030" Diameter Cut Leads
438	1-359	---	Insulator Kit for DO-4 and TO-64 Stud Package with Flat Washer, Solder Lug and Hex Nut
439	1-359	---	Insulator Kit for DO-5 and TO-48 Stud Package with Flat Washer, Lock Washer, Solder Lug and Hex Nut
440A	1-362	AH13	Heat Sink Undrilled Mounting Surface
440B	1-362	AH13	Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5
440C	1-362	AH13	Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4
440D	1-362	AH13-1	Heat Sink, Undrilled Mounting Surface
441A	1-362	AH14	Heat Sink, Drilled for Solid-State Relays
441B	1-362	AH14	Heat Sink, Undrilled Mounting Surface
442A	1-362	AH15	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
442B	1-362	AH15-1	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
442C	1-361	AH16	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
443	1-362	AH17	Heat Sink, Undrilled Mounting Surface, for PCB Mounting
444	1-362	AH18	Heat Sink, Undrilled Mounting Surface, for Stud Mounted Devices
445	1-362	AH8	Heat Sink, for TO-92 Style (2/Pkg)
446A	1-363	AH19	Heat Sink, for 1.65" and 2.29" Hockey Puck Packages (2 Required)
446C	1-363	AH20	Heat Sink, for 2.90" Hockey Puck Packages (2 Required)
447A	1-363	AH21	Heat Sink Clamp Assembly for 446A
447B	1-363	AH21	Heat Sink Clamp Assembly for 446A
447C	1-363	AH22	Heat Sink Clamp Assembly for 446C
448B	1-363	AH23	Heat Sink, for 14/16-Pin DIP (2/Pkg)
448E	1-363	AH24	Heat Sink, for 24-Pin DIP (2/Pkg)
448G	1-363	AH25	Heat Sink, for 40-Pin DIP (2/Pkg)
449	1-360	AW3	Mounting Clip for TO-220 Case Style (2/Pkg)
449A	1-360	AW3-1	Mounting Clip for TO-126, SOT-82 Case Styles (2/Pkg)
450A	1-363	AH26	Heat Sink for ECG740A, ECG804, ECG810A, ECG862, ECG990
451	1-48	T16	JFET-N-Ch, UHF/VHF Amp
452	1-48	T4	JFET-N-Ch, UHF/VHF Amp
453	1-48	T13-1	JFET-N-Ch, VHF/FM Amp
454	1-48	T4	MOSFET-Dual Gate, N-Ch, UHF/VHF Amp - **Disc.**
455	1-48	T49-1	MOSFET-Dual Gate, N-Ch, TV UHF RF Amp
456	1-48	T4	JFET-N-Ch, Gen Purp Amp/Sw
457	1-48	T16	JFET-N-Ch, Gen Purp Amp/Sw
458	1-48	T16	JFET-N-Ch, Gen Purp, Lo Noise Audio Amp
459	1-48	T4	JFET-N-Ch, AF Amp/Chopper/Sw
460	1-48	T4	JFET-P-Ch, AF Amp
461	1-48	T3	JFET-Matched Dual, N-Ch, DC Amp/Sampler/Chopper
462	1-48	T2	MOSFET-N-Ch, AF Amp
464	1-48	T4	MOSFET-P-Ch, Enhancement, Sw
465	1-48	T4	MOSFET-N-Ch, Enhancement, Sw
466	1-48	T2	JFET-N-Ch, Chopper/Sw
467	1-48	T16	JFET-N-Ch, Chopper/Fast Sw
468	1-48	T16	JFET-N-Ch, Chopper/Switch
469	1-48	T16	JFET-N-Ch, Chopper/Switch
470	1-48	T58	T-NPN, Si, RF Pwr, Amateur & Marine, 30 MHz, 100 W
471	1-48	T58	T-NPN, Si, RF Pwr, Amateur & Marine, 30 MHz, 100 W
472	1-48	T6	T-NPN, Si, RF Dr & PO, Hi Band VHF, FM, 175 MHz, 1.8 W
473	1-48	T6	T-NPN, Si, RF Dr & PO, Hi Band VHF, FM, 175 MHz, 2.2 W
474	1-48	T40	T-NPN, Si, RF PO, Lo-Hi Band, 88 MHz, 6 W, 175 MHz, 3 W
475	1-48	T56	T-NPN, Si, Hi Band PO, Marine & Mobile, 175 MHz, 7 W - **Disc.**
476	1-48	T56	T-NPN, Si, Hi Band PO, Marine & Mobile, 175 MHz, 12 W
477	1-48	T60	T-NPN, Si, RF PO, Marine & Mobile VHF, 175 MHz, 45 W
478	1-49	T60	T-NPN, Si, RF PO, Marine & Mobile VHF, 175 MHz, 100 W - **Disc.**
479	1-49	T6	T-NPN, Si, UHF Dr & PO, 470 MHz, 1.8 W
480	1-49	T60	T-NPN, Si, UHF PO, FM, 470 MHz, 40 W
481	1-49	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 6 W
482	1-49	T63	T-NPN, Si, UHF PO, FM, 836 MHz, 15 W
483	1-49	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 18 W
484	1-49	T61	T-NPN, Si, UHF PO, FM, 836 MHz, 25 W
485	1-49	T62	T-NPN, Si, UHF PO, FM, 836 MHz, 25 W
486	1-49	T6	T-NPN, Si, RF PO, UHF Multiplier, 407-512 MHz, .75 W
487	1-49	T8	T-NPN, Si, RF PO, Hi Band VHF Multiplier, 175 MHz, 1 W
488	1-49	T9	T-NPN, Si, RF Dr & PO, Hi Band VHF, 175 MHz, 4 W
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503	1-93	H41	R-Se, TV HV, 14.4 k PRV
504	1-93	H42	R-Se, TV HV, 19.5 k PRV
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509/ R-3AT2	1-93	H35	R-Si, Replaces TV HV Rect Tube
510/ R-3DB3	1-93	H35	R-Si, Replaces TV HV Rect Tube
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515	1-95	Z10	D-Trace Commutating and Clamp Diode
517	1-92	H49	R-Si,, 15 KV, 350 mA
518	1-94	H45	R-Si, Fast Switching, 10,000 PRV
519	1-95	Z4	D-Si, Fast Switching, 4 nanosec, 100 PRV
521	1-86	H4	R-6 Step Silicon Tripler with Focus Tap
522	1-86	H3	R-5 Step Silicon Tripler with Focus Tap
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524V13	1-120	S11	Varistor, Metal Oxide, 130 V RMS
524V15	1-120	S11	Varistor, Metal Oxide, 150 V RMS
● 524V17	1-120	S11	Varistor, Metal Oxide, 175 V RMS
524V25	1-120	S11	Varistor, Metal Oxide, 250 V RMS
524V27	1-120	S11	Varistor, Metal Oxide, 275 V RMS
524V30	1-120	S11	Varistor, Metal Oxide, 300 V RMS
524V42	1-120	S11	Varistor, Metal Oxide, 420 V RMS
524V48	1-120	S11	Varistor, Metal Oxide, 480 V RMS
525	1-95	Z6	D-Si, Damper, 2000 PRV
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527A	1-94	H47	R-Si, Stick, TV HV (35 kV PRV)
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1253	1-201	L121	IC-CB PLL Freq Synthesizer (CMOS)
1254	1-201	L122	IC-CB PLL Freq Synthesizer (CMOS)
1256	1-201	L84	IC-AF PO, 5.8 W - **Disc.**
1257	1-201	L145	IC-FM IF, Det, AF PO, 2 W
1258	1-201	L148	IC-TV Vertical Hold, Osc, Output - **Disc.**
1260	1-201	L83	IC-AF PO, 5.5 W - **Disc.**
1261	1-201	L82	IC-AF PO, 5.5 W - **Disc.**
1262	1-201	L43	IC-CB Voltage Controlled Osc
1263	1-201	L112	IC-VCR Record/Playback Ckt
1264	1-201	L111	IC-VCR Luminance Ckt
1265	1-201	L116	IC-VCR Noise Suppression Ckt
1266	1-202	L111	IC-VCR Chroma Processor
1267	1-202	L111	IC-VCR Dropout Compensator
1268	1-202	L124	IC-VCR DC Servo Control
1269	1-202	L124	IC-VCR Color Processor
1270	1-202	L122	IC-VCR Motor Drive
1271	1-202	L77	IC-VCR Control Voltage Generator
1272	1-202	L111	IC-PLL Freq Synthesizer
1273	1-202	L119	IC-Dual Channel AF PO, 5 W/Channel
1275	1-202	L90	IC-AF PO, 5.8 W
1276	---	---	Mod-CB Voltage Controlled Osc
1277	---	---	IC-Dual Channel AF PO, 3.5 W/Channel
1278	1-202	L85	IC-AF PO, 5.8 W
1279	1-202	L64	Mod-AF PO, 50 W
1280	1-202	L64	Mod-AF PO, 35 W
1281	1-202	L64	Mod-AF PO, 50 W
1282	1-202	L64	Mod-AF PO, 35 W
1283	1-203	L83	IC-AF PO, 5.3 W - **Disc.**
1284	1-203	L82	IC-AF PO, 5.3 W - **Disc.**
1285	1-203	L49	IC-AF PO, 5.8 W - **Disc.**
1286	1-203	L50	IC-AF PO, 5.8 W
1288	1-203	L19	IC-AF PO, 10 W
1289	1-203	L131	IC-TV Vertical Deflection System
1290	1-203	L111	IC-AM Receiver Subsystem
1291	1-203	L59	IC-Dual Audio Pwr Amp, 5.5 W/Ch - **Disc.**
1292	1-203	L104	IC-IF Amp/Detector - **Disc.**
1293	1-203	L57	IC-Dual AF Pwr Amp, 7 W/Ch - **Disc.**
1294	1-203	L97	IC-AF PO, 2 W, $V_{CC}=3$ V to 12 V, $R_L=8\ \Omega$
1295	1-203	L115	IC-TV Signal Processor
1296	1-203	L114	IC-TV Chroma Processor/Demodulator
1297	1-204	L121	IC-TV Color Signal Processor/Demodulator
1298	1-204	L111	IC-TV Signal Processor
1299	1-204	L122	IC-TV Signal Processor
1300	1-205	L35	IC-TV Remote Control
1301	1-205	L29	IC-AM/FM IF Amp
1302	1-205	L28	IC-Audio Preamp (2-Stage)
1303	1-205	L141	IC-AF PO, 0.5 W
1304	1-205	L153	IC-TV Chroma Processor
1305	1-205	L153	IC-TV Color Demodulator
1306	1-205	L153	IC-TV Video IF
1307	1-205	L153	IC-TV Chroma Processor
1308	1-205	L105	IC-TV Sound IF, Det
1309	1-205	L28	IC-FM IF
1310	1-205	L142	IC-FM/AM IF, AGC
1311	1-205	L152	IC-Noise Cancelling Amp
1312	1-206	L104	IC-TV Vert Osc, Amp
1314	1-206	L115	IC-VCR Sync Sep/AFC/90° Rotary Circuit
1315	1-206	L75C	Mod-Dual AF PO, 35 W/Channel, $V_{CC}=\pm30$ V
1316	1-206	L75C	Mod-Dual AF PO, 50 W/Channel, $V_{CC}=\pm35$ V
1317	1-206	L75B	Mod-Dual AF PO, 50 W/Channel, $V_{CC}=\pm35.5$ V
1318	1-206	L53B	Mod-VCR Positive DC VR, 2-Output: 9.5 V @ 1.6 A, 15 V @ 2.5 A
1319	1-206	L53A	Mod-AF PO, 15 W, $V_{CC}=38$ V, $R_L=8\ \Omega$
1320	1-206	L63	Mod-AF PO, 25 W
1321	1-206	L64	Mod-AF PO, 55 W
1322	1-206	L62	Mod-AF PO, 80 W
1323	1-206	L63	Mod-AF PO, 15 W - **Disc.**
1324	1-207	L74	Mod-Dual AF PO, 10 W/Channel - **Disc.**
1325	1-207	L74	Mod-Dual AF PO, 20 W/Channel - **Disc.**
1326	1-207	L66	Mod-AF PO, 24 W
1327	1-207	L66	Mod-AF PO, 35 W
1328	1-207	L66	Mod-AF PO, 50 W
1329	1-207	L70	Mod-Dual AF PO, 20 W/Channel
1330	1-207	L73	Mod-Dual AF PO, 15 W/Channel
1331	1-207	L73	Mod-Dual AF PO, 25 W/Channel
1333	1-207	L63	Mod-AF PO, 40 W
1334	1-207	L62	Mod-AF PO, 60 W
1335	1-207	L62	Mod-AF PO, 80 W
1336	1-207	L72	Mod-AF PO, 70 W
1337	1-207	L66	Mod-AF PO, 70 W
1339	1-207	L68	Mod-High Power Dual AF Driver Amp
1340	1-207	L66	Mod-AF PO, 24 W, $V_{CC}=\pm25$ V, $R_L=8\ \Omega$
1341	1-207	L66	Mod-AF PO, 15 W, $V_{CC}=\pm20$ V, $R_L=8\ \Omega$ - **Disc.**
1342	1-208	L66	Mod-AF PO, 100 W, $V_{CC}=\pm50$ V, $R_L=8\ \Omega$ - **Disc.**
1343	1-208	L69	Mod-10 W Bridge (BTL) AF PO, $V_{CC}=13.8$ V, $R_L=4\ \Omega$
1345	1-208	L73	Mod-Dual AF PO, 30 W, $V_{CC}=\pm28$ V, $R_L=8\ \Omega$
1346	1-208	L62	Mod-Darlington Pwr Pack, 60 W, $V_{CC}=\pm40$ V, $R_L=8\ \Omega$
1348	1-208	L60	Mod-AF PO, 20 W, $V_{CC}=\pm23$ V, $R_L=8\ \Omega$ - **Disc.**
1349	1-208	L67	Mod-AF PO, 20 W, $V_{CC}=\pm20$ V, $R_L=4\ \Omega$ - **Disc.**
1356	1-208	L73	Mod-Dual AF PO, 25 W, $V_{CC}=\pm25$ V, $R_L=8\ \Omega$
1357	1-208	L64	Mod-Pwr Darlington, 40 W, $V_{CC}=\pm33$ V, $R_L=8\ \Omega$
1358	1-208	L64	Mod-Pwr Darlington, 50 W, $V_{CC}=\pm36$ V, $R_L=8\ \Omega$
1359	1-208	L69	Mod-Dual AF PO, 22 W/Channel, $V_{CC}=\pm31$ V, $R_L=4\ \Omega$
1360	1-208	L64	Mod-Pwr Darlington, 60 W, $V_{CC}=\pm40$ V, $R_L=8\ \Omega$
1361	1-208	L80	IC-AF Pwr Amp, 12 W Bridge (BTL), $V_{CC}=13.2$ V, $R_L=4\ \Omega$
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1363	1-208	L79	IC-AF PO, 4.2 W, $V_{CC}=13.2$ V, $R_L=4\ \Omega$
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1369	1-209	L54	IC-AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$
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1371	1-209	L55	IC-Dual AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$
1372	1-209	L119	IC-Dual AF PO, 3.9 W, Bridge (BTL), 12 W, $V_{CC} = 12$ V, $R_L = 4\ \Omega$
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1387	1-210	L85	IC-Dual AF PO, 2.4 W, $V_{CC} = 14$ V, $R_L = 8\ \Omega$
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1391	1-210	L53	IC-AF PO, 12 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$
1392	1-211	L83	IC-AF PO, 7 W, $V_{CC} = 22$ V, $R_L = 8\ \Omega$
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1401	1-212	L111	IC-TV Video Amp
1402	1-212	L122	IC-Electronic Channel Selector Circuit
1403	1-212	L111	IC-TV Vertical, Horizontal Driver
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1416	1-213	L124	IC-Luminance Amp, Chroma Demod
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1432	1-214	L104	IC-FM Noise Canceller (Auto Ignition)
1433	1-214	L26	IC-Audio Preamp
1435	1-214	L41	IC-Dual Audio Preamp
1436	1-214	L104	IC-FM IF Amp, Limiter, Det, AFC, Stereo-Mono Sw
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1464	1-217	L24	IC-Audio Preamp, $V_{CC} = 15$ V, $V_G = 92$ dB
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1466	1-217	L39	IC-Audio Preamp, $V_{CC} = 5$ V, $V_G = 35$ dB
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1469	1-217	L122	IC-TV Video IF Amp, Det, AGC, AFC and Noise Filter
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1489	1-219	L111	IC-Stereo Demodulator
1490	1-219	L111	IC-AM/FM IF Amp, Det, AF Preamp and Meter Driver
1491	1-219	L104	IC-AM RF/IF Amp
1492	1-219	L111	IC-TV Video IF Amp, Sync Sep and AGC
1493	1-219	L45	IC-FM Mux Stereo Demodulator
1495	1-219	L45	IC-AM RF Amp, Mixer and IF Amp
1496	1-219	L111	IC-Sync Sep, Vert/Horiz Osc and X-Ray Prot. Ckt
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1503	1-220	L41	IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale
1504	1-220	L97	IC-Voltage Level Ind. Dr, 5 Step Log, Open Collector Outputs
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1509	1-220	L115	IC-Voltage Level Ind. Dr, 10 Step Log, Open Collector Outputs
1510	1-220	L35	IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale
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1547	1-223	L126	IC-Vid/Chroma/Demod/Horiz/Vert/Osc Dr
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1550	1-223	L114	IC-TV Sync Signal Processor
1551	1-223	L151	IC-TV Video IF Amp w/Detector
1553	1-223	L11A	Hybrid-TV Volt Reg (127 V) - **Disc.**
1554	1-223	L130	IC-VCR Cylinder and Capstan Motor Drive
1555	1-223	L111	IC-VCR Dual Balanced Mixer
1556	1-224	L111	IC-VIR Signal Processor
1557	1-224	L111	IC-FM/AM IF Amp, w/Det, AM AGC, and Meter Driver
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1560	1-224	L111	IC-FM Stereo Demodulator
1561	1-224	L40	IC-Voltage Level Ind. Dr, 5 Step VU Meter
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1564	1-224	L111	IC-TV/FM Channel Selector System
1565	1-224	L111	IC-PLL Demodulator
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1577	1-225	L111	IC-Dual Audio Tape Preamp (Lo Noise)
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1585	1-226	L114	IC-VCR Video/Sync Amp/AGC/FM Mod/Limiter
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1588	1-226	L153	IC-VCR Drum Servo Control/Sync/Delay
1589	1-226	L124	IC-TV Chroma/Video Amp/Demod
1590	1-226	L153	IC-VCR Drum/Capstan Servo Control/Phase
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1594	1-227	L153	IC-VCR Playback/Chroma/Burst Amp
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1854M	1-248	L98	IC-Dual Power Op Amp
1855	1-248	L92B	IC-Vertical Deflection Output
1856	1-248	L124C	IC-Video/Chroma-Demod/Horiz-Vert Drvr/Osc
1857	1-248	L111	IC-DC Stepper Motor Driver
1858	1-248	L93	IC-TV Vertical Deflection Output
1859	1-249	L111	IC-TV dbx Noise Reduction
1860	1-249	L126A	IC-TV Separate Audio Program (SAP)
1861	1-249	L123A	IC-TV Video IF Signal Processor
1862	1-249	L93A	IC-TV Vertical Deflection Output
1863	1-249	L126A	IC-Single Chip TV Signal Processor
1864	1-249	L118A	IC-FM Stereo Demod with Blend (PLL)
1865	1-249	L115	IC-2 Channel Audio Driver for 60 W AF PO, $V_{CC} = \pm 70$ V
1866	1-249	L40	IC-Driver for 5 Point LED VU Level Meters
1867	1-249	L20B	IC-Hybrid Voltage Regulator (12V)
1868	1-249	L20B	IC-Hybrid Voltage Regulator (13V)
1869	1-249	L17C	IC-Adjustable Voltage Reference; 1.5 V to 25 V
1869SM	1-249	L161	IC-Adjustable Voltage Reference; 1.5 V to 25 V
1870	1-249	L70A	Mod-Switching Regulator
1871	1-250	L75B	Mod-Dual AF PO 50 W, $V_{CC} = \pm 35$ V, $R_L = 8\ \Omega$
1872	1-250	L69A	Mod-VCR Pos DC VR: 15 V or 13 V @ 1 A, 5.8 V @ .5 A, 12 V @ 1 A, 5.1 V @ 1 A
1873	1-250	L24	IC-2 Input Audio/Video Switch
1874	1-250	L75B	Mod-Dual AF PO, 15 W, $V_{CC} = \pm 20$ V, $R_L = 8\ \Omega$
1875	1-250	L73	Mod-Dual AF PO, 30 W, $V_{CC} = \pm 30$ V, $R_L = 8\ \Omega$
1876	1-250	L69A	Mod-VCR Pos DC VR: 13 V @ 1.5 A, 9.5 V @ 1.5 A, 12 V @ 1.5 A, 6 V @ .5 A
1877	1-250	L75B	Mod-Dual AF PO, 28 W, $V_{CC} = +35$ V, $R_L = 4\ \Omega$
1878	1-250	L68A	Mod-2 Chan Audio Driver for 40-50 W AF PO
1879	1-250	L69	Mod-Dual AF PO, 18 W, $V_{CC} = \pm 24$ V, $R_L = 8\ \Omega$
1880	1-250	L60A	Mod-VCR Pos DC VR: 13 V @ 1 A, 6.05 V @ 1 A, 5.1 V @ .5 A
1882	1-251	L70B	Mod-AF PO, 100 W, $V_{CC} = \pm 51$ V, $R_L = 8\ \Omega$
1883	1-251	L60B	Mod-VCR Pos DC VR: 12.1 V @ .8 A, 12 V @ .8 A, 5.3 V @ 1 A
1884	1-251	L67C	Mod-VCR Pos DC VR: 12.3 V @ 1 A, 12.2 V @ 1 A, 5.3 V @ 1 A -**Disc.**
1885	1-251	L75B	Mod-4 Phase Stepping Motor Driver
1886	1-251	L20B	IC-TV Voltage Regulator (100V)
1887	1-251	L93A	IC-Horizontal/Vertical Deflection Output
1888	1-251	L112	IC-Horizontal/Vertical Deflection Output
1889	1-251	L115	IC-AM-FM IF Amp and AM Tuner
1890	1-251	L122	IC-TV Signal Processor, $V_{CC} = 12$ V
1891	1-251	L91A	IC-DC Motor Drive with Speed Control
1892	1-251	L91A	IC-DC Dual Bidirectional Motor Driver
1893	1-252	L47B	IC-Three Phase Motor Driver
1894	1-252	L19B	IC-TV Voltage Regulator (41.8V)
1895	1-252	L19B	IC-TV Voltage Regulator (41.8V)
1896	1-252	L19B	IC-TV Voltage Regulator (115V)
1897	1-252	L19B	IC-TV Voltage Regulator (125V)
1898	1-252	L92A	IC-Dual 5.8 W/Ch AF PO, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$
1899	1-252	L92A	IC-Dual 5.8 W/Ch AF PO, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$
1900	1-253	L16	IC-Pos VR, 3 Terminal, Adjustable, 1.2 to 37 V, 100 mA
1901	1-253	L16	IC-Neg VR, 3 Terminal, Adjustable, −1.2 to −37 V, 100 mA
1902	1-253	L16	IC-Pos VR, 3 Terminal, 9 V, 100 mA
1903	1-253	L16	IC-Neg VR, 3 Terminal, −12 V, 100 mA
1905	1-253	L16	IC-Neg VR, 3 Terminal, −15 V, 100 mA
1906	1-253	L16	IC-Pos VR, 3 Terminal, 18 V, 100 mA
1907	1-253	L16	IC-Neg VR, 3 Terminal, −18 V, 100 mA
1908	1-253	L16	IC-Pos VR, 3 Terminal, 24 V, 100 mA
1909	1-253	L16	IC-Neg VR, 3 Terminal, −24 V, 100 mA
●1910	1-253	L17	IC-Pos VR, 9 V, 1 A
1911	1-253	L11	IC-Neg VR, 3 Terminal, Adjustable, −1.2 to −37 V, 1.5 A
1912	1-253	L11	IC-Pos VR, 3 Terminal, 12 V, 3 A
1913	1-253	L11	IC-Neg VR, 3 Terminal, −5 V, 1.5 A
1914	1-253	L11	IC-Pos VR, 3 Terminal, 12 V, 1.5 A
1915	1-253	L11	IC-Neg VR, 3 Terminal, −12 V, 1.5 A
1916	1-253	L11	IC-Pos VR, 3 Terminal, 15 V, 1.5 A
1917	1-253	L16	IC-Neg VR, 3 Terminal, −5 V, 100 mA
1918	1-253	L11	IC-Pos VR, 3 Terminal, 15 V, 3 A
1919	1-253	L11	IC-Neg VR, 3 Terminal, −15 V, 1.5 A
1920	1-253	L11	IC-Pos VR, 3 Terminal, 18 V, 1.5 A
1923	1-253	L11	IC-Neg VR, 3 Terminal, −18 V, 1.5 A
1924	1-253	L11	IC-Pos VR, 3 Terminal, 24 V, 1.5 A
1925	1-253	L11	IC-Neg VR, 3 Terminal, −24 V, 1.5 A
1927	1-253	L11B	IC-Neg VR, 4 Terminal, Adjustable, −2.2 to −30 V, 1 A
1928	1-253	L3	IC-Pos VR, Adjustable, 4.5 to 30 V, 12 mA
1930	1-253	L98	IC-Pos VR, Adjustable, 5 to 37 V, 25 mA
1932	1-253	L17	IC-Pos VR, 10 V, 1 A
1934	1-254	L17A	IC-Pos VR, 3 Terminal, 5 V, 2 A
1934X	1-254	L17A	IC-Pos VR, 5 V, 2 A
1936	1-254	L17A	IC-Pos VR, 3 Terminal, 12 V, 2 A
1938	1-254	L17A	IC-Pos VR, 3 Terminal, 15 V, 2 A
1940	1-254	L17A	IC-Pos VR, 3 Terminal, 24 V, 2 A
1941	1-254	L97	IC-±15 V Dual Tracking VR
1942	1-254	L19	IC-Positive VR, Adjustable 3 to 36 V, 2 A
●1960	1-254	L163	IC-Pos VR, 5 V, 1 A
●1961	1-254	L163	IC-Neg VR, −5 V, 1 A
●1962	1-254	L163	IC-Pos VR, 6 V, 1 A
●1963	1-254	L163	IC-Neg VR, −6 V, 1 A
●1964	1-254	L163	IC-Pos VR, 8 V, 1 A
●1965	1-254	L163	IC-Neg VR, −8 V, 1 A
●1966	1-254	L163	IC-Pos VR, 9 V, 1 A
●1967	1-254	L163	IC-Neg VR, −9 V, 1 A
●1968	1-254	L163	IC-Pos VR, 10 V, 1 A
●1970	1-254	L163	IC-Pos VR, 12 V, 1 A
●1971	1-254	L163	IC-Neg VR, −12 V, 1 A
●1972	1-254	L163	IC-Pos VR, 15 V, 1 A
●1973	1-254	L163	IC-Neg VR, −15 V, 1 A
●1974	1-254	L163	IC-Pos VR, 18 V, 1 A
●1975	1-254	L163	IC-Neg VR, −18 V, 1 A
●1976	1-254	L163	IC-Pos VR, 24 V, 1 A
●1977	1-254	L163	IC-Neg VR, −24 V, 1 A
2000	---	---	IC-Dolby Circuit
2001	---	---	IC-Dolby Circuit
2002	---	---	IC-Dolby Circuit - **Disc.**
2003	---	---	IC-Dolby Circuit
2004	---	---	IC-Dolby Circuit
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2012	1-348	D8	IC-7 Channel PMOS Input Driver
2013	1-348	D8	IC-7 Channel CMOS/TTL Input Driver
2014	1-348	D8	IC-7 Channel CMOS/PMOS Input Driver
2015	1-348	D8	IC-7 Channel CMOS/TTL Input Driver
2016	1-348	D10	IC-8 Channel MOS/TTL Input Driver
2017	1-348	D10	IC-8 Channel PMOS Input Driver
2018	1-348	D10	IC-8 Channel CMOS/TTL Input Driver
2019	1-348	D10	IC-8 Channel CMOS/PMOS Input Driver
2020	1-348	D10	IC-8 Channel CMOS/TTL Input Driver
2021	1-348	D10	IC-8 Digit/Segment Display Driver
2022	1-348	D10	IC-8 Digit/Segment Display Driver
2023	1-348	D8	IC-7 Segment Display Driver
2024	1-348	D15	IC-2 Digit BCD-to-Seven-Segment Decoder Driver
2025	1-348	D6	IC-Quad HV Display Driver for Gas Discharge Displays
2026	1-348	D8	IC-Hex HV Display Driver for Gas Discharge Displays
2027	1-348	D6	IC-Hex HV Digit Driver, MOS Compatible
2028	1-348	D8	IC-Seven-Segment HV Decoder/Driver for Gas Filled Displays
2029	1-348	D8	IC-HV Digit Driver for Gas Discharge Displays -**Disc.**
2030	1-348	D10	IC-HV Segment Driver for Gas Discharge Displays
2031	1-349	D8	IC-HV Digit Driver for Gas Discharge Displays
2032	1-349	D8	IC-BCD-to-Seven-Segment Decoder/Driver with Constant Current Outputs
●2033	1-349	L111	IC-4 Unit Darlington Array/Driver (Low Input)
2046	1-266	L97	IC-CMOS 60 Hz Time Base Generator
2047	1-266	L112	IC-CMOS, FSK Modem 0-600 Baud
2049	1-266	L125	IC-CMOS, Lo Power, 3½ Digit A/D Converter for LCD Displays
2050	1-266	L125	IC-CMOS, Single Chip 3½ Digit Analog to Digital Converter for LED Display
2051	1-266	L125	IC-CMOS, Single Chip 3½ Digit Analog to Digital Converter for LCD Display
2052	1-266	L124A	IC-CMOS, 3½ Digit Analog to Digital Converter with Multiplexed Seven-Segment Output
2053	1-266	L118A	IC-CMOS, 8-Bit MPU Compatible Analog to Digital Converter
2054	1-266	L112	IC-3 Digit Analog to Digital Subsystem
2055	1-266	L122	IC-CMOS, 3½ Digit Analog to Digital Converter
2056	1-266	L112	IC-Digital to Analog Converter
2057	1-267	L124A	IC-Dual 16-Bit D/A Converter
2060	1-267	L125	IC-PMOS, Digital Alarm Clock Ckt for LED Display
2062	1-267	L124	IC-4-Mode Digital Alarm Clock for LED Display
2063	1-267	L125	IC-CMOS, 3½ Digit A/D Converter for LCD Display with Display Hold
2064	1-267	L125	IC-CMOS, Lo Power 3½ Digit A/D Converter for LCD Display
2065	1-267	L125	IC-CMOS, Lo Power 4½ Digit A/D Converter for LCD Display
2070	1-349	D10	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe
2071	1-349	D10	Ic-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe

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2205	1-267	L124	IC-HMOS TV Tuner Microprocessor
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2326	1-50	T42-1	T-NPN, Darl, 150 V, 8 A, h_{FE} = 3000 min
2327	1-50	T45	T-NPN, Si, HV, Hi Speed Sw
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2331	1-50	T48-3	T-NPN, Si, Horiz Out with Damper Diode, HV, Sw
2332	1-50	T41	T-NPN, Darl, 60 V, 2 A, w/Damper Diode, Int Zener Cntrl, Driver, Sw, t_f = .5 μs
2333	1-50	T41	T-NPN, Si, HV, Hi Speed Sw, t_f = .8 μs Max
2334	1-50	T41	T-NPN, Darl, 60 V, 5 A, w/Damper Diode, Int Zener Cntrl, Driver, Sw, t_f = 1.5 μs
2335	1-50	T48-1	T-NPN, Si, Darl, 60 V, 5 A, Int Zener Cntrl, Series Regulator
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2337	1-50	T41-1	T-NPN, Si, HV, Hi Speed Sw, t_f = .3 μs Max
2338	1-50	T45	T-NPN, Darl, 60 V, 2 A, w/Damper Diode, Int Zener Cntrl, Amp, Sw, t_f = 1 μs
2339	1-50	T41-1	T-NPN, Si, HV, Hi Speed Sw, t_f = .3 μs Max
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2350	1-51	T28A	T-PNP, Si, Darl, Hi Current, Gen Purp Amp (Compl to ECG2349)
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●2376	1-52	T68	MOSFET-N-Ch, Enhancement, Hi Speed Sw
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●2389	1-52	T41	MOSFET-N-Ch, Enhancement, Hi Speed Sw
2390	1-52	T41	MOSFET-N-Ch, Enhancement, Hi Speed Sw
●2391	1-52	T41	MOSFET-N-Ch, Enhancement, Hi Speed Sw
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●2394	1-52	T48	MOSFET-N-Ch, Enhancement, Hi Speed Sw
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●2396	1-52	T41	MOSFET-N-Ch, Enhancement, Hi Speed Sw
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2413	1-52	T20-4	T-PNP, Si, Gen Purp, HV Amp (Compl to ECG2412)
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2415	1-53	T20-4	T-PNP, Si, Digital (10 kΩ) Sw, Drvr (Compl to ECG2414)
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2419	1-53	T20-4	T-PNP, Si, Digital (47 kΩ) Sw, Drvr (Compl to ECG2418)
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2427	1-53	T20-5	T-PNP, Si, Darl, Drvr, Sw (Compl to ECG2426)
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2429	1-53	T20-5	T-PNP, Si, Gen Purp Amp, Sw (Compl to ECG2428)
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●2503	1-53	T16	T-NPN, Si, Gen Purp Amp, Hi Gain Sw
●2504	1-53	T67	T-NPN, Si, Gen Purp, Hi Gain Amp, Sw
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●2632	1-350	L111	IC-Quad Line Receiver
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2732	1-354	D16	IC-NMOS, 32K EPROM, 200 nsecs Access Time
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3002	1-130	P1	LED Indicator, Low Profile, Yellow/Clear
3003	1-130	P1	LED Indicator, Low Profile, Green/Clear
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4988	1-121	S14	D-Surge Clamping, Overvoltage Transient Suppressor, 171.0 V_R
4989	1-121	S14	D-Bidirectional Surge Clamping, Overvoltage Transient Suppressor, 121.0 V_{AC} RMS
5000A thru 5010A	1-100	Z3A	ZD-2.4 thru 5.1 V, 0.5 W, 5% Tolerance (2/Pkg)
5010T1	1-100	Z4	ZD-5.1 V, 0.5 W, 1% Tolerance
5011A	1-100	Z3A	ZD-5.6 V, 0.5 W, 5% Tolerance (2/Pkg)
5011T1	1-100	Z4	ZD-5.6 V, 0.5 W, 1% Tolerance
5012A	1-100	Z3A	ZD-6.0 V, 0.5 W, 5% Tolerance (2/Pkg)
5013A	1-100	Z3A	ZD-6.2 V, 0.5 W, 5% Tolerance (2/Pkg)
5013T1	1-100	Z4	ZD-6.2 V, 0.5 W, 1% Tolerance
5014A thru 5019A	1-100	Z3A	ZD-6.8 V thru 10 V, 0.5 W, 5% Tolerance (2/Pkg)
5019T1	1-100	Z4	ZD-10 V, 0.5 W, 1% Tolerance
5020A	1-100	Z3A	ZD-11 V, 0.5 W, 5% Tolerance (2/Pkg)
5021A	1-100	Z3A	ZD-12 V, 0.5 W, 5% Tolerance (2/Pkg)
5021T1	1-100	Z4	ZD-12 V, 0.5 W, 1% Tolerance
5022A thru 5060A	1-100	Z3A	ZD-13 V thru 200.0 V, 0.5 W, 5% Tolerance (2/Pkg)
5063A	1-100	Z3A	ZD-2.7 V, 1 W, 5% Tolerance (2/Pkg)
5065A thru 5105A	1-100	Z3A	ZD-3 thru 200.0 V, 1 W, 5% Tolerance (2/Pkg)
5107T2	1-100	Z3A	ZD-123 V, .5 W, 2% Tolerance
5111A thru 5166A	1-100	Z18	ZD-3.3 thru 200.0 V, 5 W, 5% Tolerance
5172A thru 5232A	1-100	Z19	ZD-3.3 thru 200.0 V, 10 W, 5% Tolerance
5172AK thru 5232AK	1-100	Z19	ZD-3.3 thru 200.0 V, 10 W, 5% Tolerance, Cathode Connected to Stud
5240A thru 5296A	1-100	Z20	ZD-3.9 thru 200.0 V, 50 W, 5% Tolerance
5240AK thru 5296AK	1-100	Z20	ZD-3.9 thru 200.0 V, 50 W, 5% Tolerance, Cathode Connected to Stud
5304	1-101	Z22	R-Si, Bridge, 400 PRV, 1.5 A
5305	1-101	Z22	R-Si, Bridge, 600 PRV, 1.5 A
5306	1-101	Z22	R-Si, Bridge, 800 PRV, 1.5 A
5307	1-101	Z22	R-Si, Bridge, 1000 PRV, 1.5 A
5309	1-101	Z23-1	R-Si, Bridge, 200 PRV, 4 A
5310	1-101	Z23-1	R-Si, Bridge, 600 PRV, 4 A
5311	1-101	Z23-1	R-Si, Bridge, 1000 PRV, 4 A
5312	1-101	Z24	R-Si, Bridge, 100 PRV, 8 A
5313	1-101	Z24	R-Si, Bridge, 200 PRV, 8 A
5314	1-101	Z24	R-Si, Bridge, 400 PRV, 8 A
5315	1-101	Z24	R-Si, Bridge, 600 PRV, 8 A
5316	1-101	Z24	R-Si, Bridge, 800 PRV, 8 A
5317	1-101	Z24	R-Si, Bridge, 1000 PRV, 8 A
5318	1-101	Z68A	R-Si, Bridge, 200 PRV, 4A
5319	1-101	Z68A	R-Si, Bridge, 600 PRV, 4 A
5320	1-101	Z68A	R-Si, Bridge, 1000 PRV, 4 A
5322	1-101	Z25	R-Si, Bridge, 200 PRV, 25 A
5324	1-101	Z25	R-Si, Bridge, 400 PRV, 25 A
5326	1-101	Z25	R-Si, Bridge, 600 PRV, 25 A
5327	1-101	Z25	R-Si, Bridge, 800 PRV, 25 A
5328	1-101	Z25	R-Si, Bridge, 1000 PRV, 25 A
5329	1-101	Z68	R-Si, Bridge, 200 PRV, 6 A
5330	1-101	Z68	R-Si, Bridge, 600 PRV, 6 A
5331	1-101	Z68	R-Si, Bridge, 1000 PRV, 6 A
5332	1-101	Z21	R-Si, Bridge, 600 PRV, 1 A
5334	1-101	Z21	R-Si, Bridge, 1000 PRV, 1 A
5335	1-102	Z66	R-Si, Bridge, 600 PRV, 60 A
5338	1-102	Z66	R-Si, Bridge, 600 PRV, 100 A
5340	1-101	Z25	R-Si, Bridge, 200 PRV, 40 A
5342	1-101	Z25	R-Si, Bridge, 600 PRV, 40 A
5344	1-101	Z25	R-Si, Bridge, 1000 PRV, 40 A
5346	1-101	Z65	R-Si, Bridge, 600 PRV, 80 A
5348	1-101	Z65	R-Si, Bridge, 600 PRV, 100 A
5351A	1-110	Z42	SCR-Hi Speed, 600 VRM, 5 A
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5368	1-110	Z51	SCR-Hi Speed, 600 VRM, 125 A
5369	1-110	Z51	SCR-Hi Speed, 1200 VRM, 125 A
5371	1-110	Z52	SCR-Hi Speed, 600 VRM, 125 A
5372	1-110	Z52	SCR-Hi Speed, 1200 VRM, 125 A
5374	1-110	Z53	SCR-Hi Speed, 600 VRM, 275 A
5375	1-110	Z53	SCR-Hi Speed, 1200 VRM, 275 A
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5378	1-110	Z54	SCR-Hi Speed, 1200 VRM, 475 A
5380	1-110	Z55	SCR-Hi Speed, 600 VRM, 400 A
5381	1-110	Z55	SCR-Hi Speed, 1200 VRM, 400 A
5386	1-110	Z56	SCR-Hi Speed, 600 VRM, 700 A
5387	1-110	Z56	SCR-Hi Speed, 1200 VRM, 700 A
5400	1-107	Z36	SCR-30 VRM, 0.8 A
5401	1-107	Z36	SCR-60 VRM, 0.8 A
5402	1-107	Z36	SCR-100 VRM, 0.8 A
5404	1-107	Z36	SCR-200 VRM, 0.8 A
5405	1-107	Z36	SCR-400 VRM, 0.8 A
5406	1-107	Z36	SCR-600 VRM, 0.8 A
5408	1-107	Z35	SCR-200 VRM, 3.0 A
5409	1-107	Z35	SCR-400 VRM, 3.0 A
5410	1-107	Z35	SCR-600 VRM, 3.0 A
5411	1-107	Z38	SCR-30 VRM, 4.0 A
5412	1-107	Z38	SCR-60 VRM, 4.0 A
5413	1-107	Z38	SCR-100 VRM, 4.0 A
5414	1-107	Z38	SCR-200 VRM, 4.0 A
5415	1-107	Z38	SCR-400 VRM, 4.0 A
5416	1-107	Z38	SCR-600 VRM, 4.0 A
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5418	1-107	Z41	SCR-400 VRM, 10 A
5419	1-107	Z41	SCR-600 VRM, 10 A
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5425	1-111	Z42	SCR-Pwr Supply Regulator (Replaces RCA 148112, 143790)
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5428	1-107	Z35	SCR-400 VRM, 7.0 A
5429	1-107	Z35	SCR-600 VRM, 7.0 A
5437	1-107	Z41	SCR-400 VRM, 8.0 A
5438	1-107	Z41	SCR-600 VRM, 8.0 A
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5442	1-107	Z39	SCR-50 VRM, 8.0 A
5444	1-107	Z39	SCR-200 VRM, 8.0 A
5446	1-107	Z39	SCR-400 VRM, 8.0 A
5448	1-107	Z39	SCR-600 VRM, 8.0 A
5452	1-107	Z40	SCR-30 VRM, 4.0 A
5453	1-107	Z40	SCR-50 VRM, 4.0 A
5454	1-107	Z40	SCR-100 VRM, 4.0 A
5455	1-107	Z40	SCR-200 VRM, 4.0 A
5457	1-107	Z40	SCR-400 VRM, 4.0 A
5458	1-107	Z40	SCR-600 VRM, 4 A
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5463	1-108	Z41	SCR-200 VRM, 10 A
5465	1-108	Z41	SCR-400 VRM, 10 A
5466	1-108	Z41	SCR-600 VRM, 10 A
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5474	1-107	Z48	SCR-400 VRM, 5.0 A - **Disc.**
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5482	1-107	Z48	SCR-100 VRM, 8.0 A - **Disc.**
5483	1-107	Z48	SCR-200 VRM, 8.0 A - **Disc.**
5485	1-107	Z48	SCR-400 VRM, 8.0 A - **Disc.**
5487	1-107	Z48	SCR-600 VRM, 8.0 A - **Disc.**
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5496	1-108	Z49	SCR-600 VRM, 10 A
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5519	1-108	Z46	SCR-600 VRM, 35 A
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5640	1-114	Z61	TRIAC-100 VRM, 2.5 A
5641	1-114	Z61	TRIAC-200 VRM, 2.5 A
5642	1-114	Z61	TRIAC-400 VRM, 2.5 A
5643	1-114	Z61	TRIAC-600 VRM, 2.5 A
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5650	1-114	Z61	TRIAC-100 VRM, 2.5 A
5651	1-114	Z61	TRIAC-200 VRM, 2.5 A
5652	1-114	Z61	TRIAC-400 VRM, 2.5 A
5653	1-114	Z61	TRIAC-600 VRM, 2.5 A
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5697	1-116	Z49	TRIAC-600 VRM, 40 A
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5703	1-145	M2	Industrial Power Mod, 1200 V, 25 A
5704	1-145	M2	Industrial Power Mod, 1200 V, 25 A
5705	1-145	M2	Industrial Power Mod, 1200 V, 25 A
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5712	1-144	M1	Phase Control Thyristor Mod, 1200 V, 65 A
5720	1-144	M1	Phase Control Thyristor Mod, 1200 V, 95 A
5721	1-144	M1	Phase Control Thyristor Mod, 1200 V, 95 A
5722	1-144	M1	Phase Control Thyristor Mod, 1200 V, 95 A
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5801	1-103	Z18A	R-100 PRV, 3 A, Axial Lead
5802	1-103	Z18A	R-200 PRV, 3 A, Axial Lead
5804	1-103	Z18A	R-400 PRV, 3 A, Axial Lead
5806	1-103	Z18A	R-600 PRV, 3 A, Axial Lead
5808	1-103	Z18A	R-800 PRV, 3 A, Axial Lead
5809	1-103	Z18A	R-1000 PRV, 3 A, Axial Lead
5812	1-103	Z26	R-100 PRV, 6 A/22 A, Axial Lead
5814	1-103	Z26	R-400 PRV, 6 A/22 A, Axial Lead
5815	1-103	Z26	R-600 PRV, 6 A/22 A, Axial Lead
5817	1-103	Z26	R-1000 PRV, 6 A/22 A, Axial Lead
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5819	1-103	Z19	R-200 PRV, 12 A, 200 ns, Anode Case
5820	1-103	Z19	R-400 PRV, 12 A, 200 ns, Cath Case
5821	1-103	Z19	R-400 PRV, 12 A, 200 ns, Anode Case
5822	1-103	Z19	R-600 PRV, 12 A, 200 ns, Cath Case
5823	1-103	Z19	R-600 PRV, 12 A, 200 ns, Anode Case
5826	1-104	Z28	R-400 PRV, 50 A, Cath Case, Press Fit
5827	1-104	Z28	R-400 PRV, 50 A, Anode Case, Press Fit
5828	1-104	Z28	R-800 PRV, 50 A, Cath Case, Press Fit
5829	1-104	Z28	R-800 PRV, 50 A, Anode Case, Press Fit - **Disc.**
5830	1-103	Z19	R-50 PRV, 3 A, Cath Case
5831	1-103	Z19	R-50 PRV, 3 A, Anode Case
5834	1-103	Z19	R-200 PRV, 3 A, Cath Case
5835	1-103	Z19	R-200 PRV, 3 A, Anode Case
5838	1-103	Z19	R-400 PRV, 3 A, Cath Case
5839	1-103	Z19	R-400 PRV, 3 A, Anode Case
5842	1-103	Z19	R-600 PRV, 3 A, Cath Case
5843	1-103	Z19	R-600 PRV, 3 A, Anode Case
5846	1-103	Z19	R-800 PRV, 3 A, Cath Case
5847	1-103	Z19	R-800 PRV, 3 A, Anode Case
5848	1-103	Z19	R-1000 PRV, 3 A, Cath Case
5849	1-103	Z19	R-1000 PRV, 3 A, Anode Case
5850	1-103	Z19	R-50 PRV, 6 A, Cath Case
5851	1-103	Z19	R-50 PRV, 6 A, Anode Case
5854	1-103	Z19	R-200 PRV, 6 A, Cath Case
5855	1-103	Z19	R-200 PRV, 6 A, Anode Case
5858	1-103	Z19	R-400 PRV, 6 A, Cath Case
5859	1-103	Z19	R-400 PRV, 6 A, Anode Case
5862	1-103	Z19	R-600 PRV, 6 A, Cath Case
5863	1-103	Z19	R-600 PRV, 6 A, Anode Case
5866	1-103	Z19	R-800 PRV, 6 A, Cath Case
5867	1-103	Z19	R-800 PRV, 6 A, Anode Case
5868	1-103	Z19	R-1000 PRV, 6 A, Cath Case
5869	1-103	Z19	R-1000 PRV, 6 A, Anode Case
5870	1-103	Z19	R-50 PRV, 12 A, Cath Case
5871	1-103	Z19	R-50 PRV, 12 A, Anode Case
5874	1-103	Z19	R-200 PRV, 12 A, Cath Case
5875	1-103	Z19	R-200 PRV, 12 A, Anode Case
5878	1-103	Z19	R-400 PRV, 12 A, Cath Case
5879	1-103	Z19	R-400 PRV, 12 A, Anode Case
5882	1-103	Z19	R-600 PRV, 12 A, Cath Case
5883	1-103	Z19	R-600 PRV, 12 A, Anode Case
5886	1-103	Z19	R-800 PRV, 12 A, Cath Case
5887	1-103	Z19	R-800 PRV, 12 A, Anode Case
5890	1-103	Z19	R-1000 PRV, 12 A, Cath Case
5891	1-103	Z19	R-1000 PRV, 12 A, Anode Case
5892	1-103	Z19	R-50 PRV, 16 A, Cath Case
5893	1-103	Z19	R-50 PRV, 16 A, Anode Case
5896	1-103	Z19	R-200 PRV, 16 A, Cath Case
5897	1-103	Z19	R-200 PRV, 16 A, Anode Case
5900	1-103	Z19	R-400 PRV, 16 A, Cath Case
5901	1-103	Z19	R-400 PRV, 16 A, Anode Case
5904	1-103	Z19	R-600 PRV, 16 A, Cath Case
5905	1-103	Z19	R-600 PRV, 16 A, Anode Case
5908	1-103	Z19	R-800 PRV, 16 A, Cath Case
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5916	1-103	Z19	R-200 PRV, 20 A, Cath Case
5917	1-103	Z19	R-200 PRV, 20 A, Anode Case
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5921	1-103	Z19	R-400 PRV, 20 A, Anode Case
5924	1-103	Z19	R-600 PRV, 20 A, Cath Case
5925	1-103	Z19	R-600 PRV, 20 A, Anode Case
5928	1-103	Z19	R-800 PRV, 20 A, Cath Case
5929	1-103	Z19	R-800 PRV, 20 A, Anode Case
5932	1-103	Z19	R-1000 PRV, 20 A, Cath Case
5933	1-103	Z19	R-1000 PRV, 20 A, Anode Case
5940	1-103	Z20	R-50 PRV, 15 A, Cath Case
5941	1-103	Z20	R-50 PRV, 15 A, Anode Case
5944	1-103	Z20	R-200 PRV, 15 A, Cath Case
5945	1-103	Z20	R-200 PRV, 15 A, Anode Case
5948	1-103	Z20	R-400 PRV, 15 A, Cath Case
5949	1-103	Z20	R-400 PRV, 15 A, Anode Case
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5953	1-103	Z20	R-600 PRV, 15 A, Anode Case
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5963	1-103	Z27	R-400 PRV, 25 A, Anode Case, Press Fit
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5967	1-103	Z27	R-800 PRV, 25 A, Anode Case, Press Fit
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5982	1-104	Z20	R-100 PRV, 40 A, Cath Case
5983	1-104	Z20	R-100 PRV, 40 A, Anode Case
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5987	1-104	Z20	R-200 PRV, 40 A, Anode Case
5988	1-104	Z20	R-300 PRV, 40 A, Cath Case
5989	1-104	Z20	R-300 PRV, 40 A, Anode Case
5990	1-104	Z20	R-400 PRV, 40 A, Cath Case
5991	1-104	Z20	R-400 PRV, 40 A, Anode Case
5992	1-104	Z20	R-500 PRV, 40 A, Cath Case
5993	1-104	Z20	R-500 PRV, 40 A, Anode Case
5994	1-104	Z20	R-600 PRV, 40 A, Cath Case
5995	1-104	Z20	R-600 PRV, 40 A, Anode Case
5998	1-104	Z20	R-800 PRV, 40 A, Cath Case
5999	1-104	Z20	R-800 PRV, 40 A, Anode Case
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6023	1-104	Z20	R-100 PRV, 60 A, Anode Case
6026	1-104	Z20	R-200 PRV, 60 A, Cath Case
6027	1-104	Z20	R-200 PRV, 60 A, Anode Case
6034	1-104	Z20	R-400 PRV, 60 A, Cath Case
6035	1-104	Z20	R-400 PRV, 60 A, Anode Case
6040	1-104	Z20	R-600 PRV, 60 A, Cath Case
6041	1-104	Z20	R-600 PRV, 60 A, Anode Case
6042	1-104	Z20	R-800 PRV, 60 A, Cath Case
6043	1-104	Z20	R-800 PRV, 60 A, Anode Case
6044	1-104	Z20	R-1000 PRV, 60 A, Cath Case
6045	1-104	Z20	R-1000 PRV, 60 A, Anode Case
6048	1-104	Z20	R-50 PRV, 70 A, Cath Case
6049	1-104	Z20	R-50 PRV, 70 A, Anode Case
6050	1-104	Z20	R-100 PRV, 70 A, Cath Case
6051	1-104	Z20	R-100 PRV, 70 A, Anode Case
6054	1-104	Z20	R-200 PRV, 70 A, Cath Case
6055	1-104	Z20	R-200 PRV, 70 A, Anode Case
6060	1-104	Z20	R-400 PRV, 70 A, Cath Case
6061	1-104	Z20	R-400 PRV, 70 A, Anode Case
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7442	1-326	D8	IC-TTL 4-Line-to-10-Line Decoder (1-of-10) BCD-to-Decimal
7443	1-327	D8	IC-TTL 4-Line-to-10-Line (1-of-10) Excess 3-Gray-to-Decimal
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7445	1-327	D8	IC-TTL BCD-to-Decimal Decoder/Driver (30 V)
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7451	1-327	D6	IC-TTL Dual 2-Wide 2-Input AND/OR Invert Gate
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7470	1-328	D6	IC-TTL J-K Edge Triggered Flip-Flop with Preset and Clear
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7474	1-329	D6	IC-TTL Dual 'D Type' Edge Triggered Flip-Flop with Clear
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7476	1-329	D8	IC-TTL Dual J-K M/S Flip-Flop with Preset and Clear - **Disc.**
7480	1-329	D6	IC-TTL Gated Full Adder
7482	1-330	D6	IC-TTL 2-Bit Binary Full Adder
7483	1-330	D8	IC-TTL 4-Bit Binary Full Adder
7485	1-330	D8	IC-TTL 4-Bit Magnitude Comparator
7486	1-330	D6	IC-TTL Quad 2-Input Exclusive OR Gate
7489	1-330	D8	IC-TTL 64-Bit RAM
7490	1-330	D6	IC-TTL Asynchronous Decade Counter (÷2; ÷5)
7491	1-330	D6	IC-TTL 8-Bit Shift Register
7492	1-330	D6	IC-TTL Asynchronous Divide-By-Twelve (÷2; ÷6)
7493A	1-330	D6	IC-TTL Asynchronous 4-Bit Binary Counter
7494	1-331	D8	IC-TTL 4-Bit Shift Register
7495	1-331	D6	IC-TTL 4-Bit Right-Shift Left-Shift Register
7496	1-331	D8	IC-TTL 5-Bit Shift Register
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8070	1-142	C1	Thermal Cutoff, 72°C
8076	1-142	C1	Thermal Cutoff, 77°C
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8081	1-142	C1	Thermal Cutoff, 84°C
8085	1-142	C1	Thermal Cutoff, 87°C
8090	1-142	C1	Thermal Cutoff, 93°C
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8096	1-142	C1	Thermal Cutoff, 98°C
8098	1-142	C1	Thermal Cutoff, 100°C
8103	1-142	C1	Thermal Cutoff, 104°C
8108	1-142	C1	Thermal Cutoff, 109°C
8115	1-142	C1	Thermal Cutoff, 117°C
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8139	1-142	C1	Thermal Cutoff, 141°C
8149	1-142	C1	Thermal Cutoff, 152°C
8167	1-142	C1	Thermal Cutoff, 171°C
8181	1-142	C1	Thermal Cutoff, 184°C
8212	1-356	D15	IC-Schottky 8-Bit Input/Output Port with 3-State Output
8213	1-142	C1	Thermal Cutoff, 216°C
8216	1-356	D8	IC-Schottky 4-Bit Parallel Bidirectional Non-Inverting Bus Driver
8219	1-344	D15	IC-Digital, 1-of-16 Data Selector/Multiplexer with Inverting 3-State Outputs
8224	1-356	D8	IC-Schottky Clock Generator/Driver for 8080A System
8226	1-142	C1	Thermal Cutoff, 228°C
8228	1-356	D17	IC-Schottky System Controller and Bus Driver
8233	1-344	D8	IC-Digital, Quad 2-Line-to-1-Line Data Selector/ Multiplexer with Non-Inverting Outputs
8234	1-344	D8	IC-Digital, Quad 2-Line-to-1-Line Data Selector/ Multiplexer with Inverting Outputs
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8301	1-344	D8	IC-Digital, 4-Line BCD-to-10-Line Decimal Decoder
8308	1-344	D15	IC-Digital, Dual 4-Bit Latch
8309	1-344	D8	IC-Digital, Dual 4-Line-to-1-Line Data Selector/ Multiplexer with Complementary Outputs
8314	1-345	D8	IC-Digital, 4-Bit Latch
8316	1-345	D8	IC-Digital, Synchronous 4-Bit Binary Counter
8318	1-345	D8	IC-Digital, 8-Input Priority Encoder
8321	1-345	D8	IC-Digital, Dual 1-of-4 Decoder
8328	1-345	D8	IC-Digital, Dual 8-Bit Shift Register
8368	1-345	D8	IC-Digital, Seven-Segment Latch/Decoder/Driver for Common Cathode LED
8370	1-345	D8	IC-Digital, Seven-Segment Decoder/Driver/Latch with Open Collector Outputs
8374	1-345	D8	IC-Digital, Seven-Segment Latch/Decoder/Driver for Common Anode LED
8520	1-345	D8	IC-Digital, Cascadable Modulo-N Divider
8542	1-345	D8	IC-Digital, Quad I/O Registers with 3-State Outputs
8546	1-345	D8	IC-Digital, 8-Bit Universal I/O Shift Register with 3-State Data Lines
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8553	1-346	D8	IC-Digital, 8-Bit I/O Latch with 3-State Outputs
8554	1-346	D8	IC-Digital, Synchronous 3-State Binary Counter/Latch
8555	1-346	D8	IC-Digital, Programmable Decade Counter with 3-State Outputs - **Disc.**
8556	1-346	D8	IC-Digital, Programmable Binary Counter with 3-State Outputs
8613	1-346	D8	IC-Digital, Quad Input Gated 'D' Flip-Flop
8853	1-346	D8	IC-Digital, Dual Retriggerable Resettable Monostable Multivibrator with Delayed Trigger
9093	1-307	D6	IC-DTL Dual M/S J-K Flip-Flop (5 MHz)
9094	1-307	D6	IC-DTL Dual M/S J-K Flip-Flop (8 MHz)
9097	1-307	D6	IC-DTL Dual M/S J-K Flip-Flop (8 MHz)
9099	1-307	D6	IC-DTL Dual M/S J-K Flip-Flop (5 MHz)
9109	1-307	D6	IC-DTL High Voltage Hex Inverter
9111	1-307	D6	IC-DTL RS Flip-Flop
9135	1-307	D6	IC-DTL Hex Inverter
9157	1-307	D6	IC-DTL Quad Buffer
9158	1-307	D6	IC-DTL Quad Pwr Gate
9200	1-268	L18A	IC-I^2L Freq Divider for VCR
9301	1-311	D8	IC-HLL Dual 5-Input Expandable NAND Buffer Gate Active Pullup
9302	1-311	D8	IC-HLL Quad 2-Input NAND Buffer Gate Open Collector
9303	1-311	D8	IC-HLL Quad 2-Input NAND Buffer Gate Passive Pullup
9304	1-311	D8	IC-HLL Triple 4,3,4-Input NAND Buffer Gate Passive Pullup
9306	1-311	D8	IC-HLL Quad 2,2,3,3-Input NOR Gate Active Pullup
9307	1-311	D8	IC-HLL Quad 2,2,3,3-Input NOR Gate Open Collector
9311	1-311	D8	IC-HLL Clocked M/S Flip-Flop Active Pullup
9312	1-311	D8	IC-HLL Dual Edge Triggered J-K Flip-Flip Active Pullup
9321	1-311	D8	IC-HLL Expandable Quad 2-Input NAND Gate Active Pullup
9322	1-311	D8	IC-HLL Expandable Dual 5-Input NAND Gate Active Pullup
9323	1-311	D8	IC-HLL Expandable Quad 2-Input NAND Gate Open Collector
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9325	1-312	D8	IC-HLL Quad 2,2,3,3-Input NAND Gate Active Pullup
9326	1-312	D8	IC-HLL Quad 2,2,3,3-Input NAND Gate Passive Pullup
9331	1-312	D8	IC-HLL Dual 5-Input Gate Expander
9332	1-312	D8	IC-HLL Quad Inverter and Dual 2-Input NAND Gate Open Collector
9333	1-312	D8	IC-HLL Quad Inverter and Dual 2-Input NAND Gate Passive Pullup
9334	1-312	D8	IC-HLL Strobed Hex NAND Gate Open Collector - **Disc.**
9335	1-312	D8	IC-HLL Strobed Hex NAND Gate Passive Pullup
9342	1-312	D8	IC-HLL Dual Monostable Multivibrator Active Pullup
9343	1-312	D8	IC-HLL 4-Bit Comparator Active Pullup
9347	1-312	D8	IC-HLL Dual Retriggerable Monostable Multivibrator Active Pullup
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9372	1-313	D8	IC-HLL Hexadecimal Counter Passive Pullup
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9383	1-313	D8	IC-HLL BCD-to-Seven-Segment Decoder/Driver Open Collector
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9602	1-346	D8	IC-Digital, Dual Retriggerable/Resettable Monostable Multivibrator
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9660	1-315	D6	IC-HTL Expandable Dual 4-Input NAND Gate Active Pullup
9661	1-315	D6	IC-HTL Expandable 4-Input NAND Gate Passive Pullup
9662	1-315	D6	IC-HTL Expandable 4-Input Line NAND Driver Active Pullup - **Disc.**
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9664	1-315	D6	IC-HTL M/S R-S Flip-Flop - **Disc.**
9665	1-315	D6	IC-HTL Triple Level Translator tp = 40 ns typ
9666	1-315	D6	IC-HTL Triple Level Translator tp = 75 ns typ
9667	1-315	D6	IC-HTL Dual Monostable Multivibrator - **Disc.**
9668	1-315	D6	IC-HTL Quad 2-Input NAND Gate Passive Pullup - **Disc.**
9669	1-315	D6	IC-HTL Dual 4-Input Expander
9670	1-315	D6	IC-HTL Triple 3-Input NAND Gate Passive Pullup - **Disc.**
9671	1-316	D6	IC-HTL Triple 3-Input NAND Gate Active Pullup - **Disc.**
9672	1-316	D6	IC-HTL Quad 2-Input NAND Gate Active Pullup - **Disc.**
9673	1-316	D6	IC-HTL Dual 2-Input AND/OR Invert Gate Active Pullup
9674	1-316	D6	IC-HTL Dual 2-Input AND/OR Invert Gate Passive Pullup
9675	1-316	D6	IC-HTL Dual Pulse Stretcher
9677	1-316	D8	IC-HTL Hex Inverter with Strobe Active Pullup - **Disc.**
9678	1-316	D8	IC-HTL Hex Inverter with Strobe (without Output Resistors) - **Disc.**
9679	1-316	D6	IC-HTL Dual Lamp/Line Driver
9680	1-316	D6	IC-HTL Hex Inverter Active Pullup - **Disc.**
9681	1-316	D6	IC-HTL Hex Inverter Open Collector
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9686	1-317	D8	IC-HTL 4-Bit Shift Register
9688	1-317	D8	IC-HTL Dual J-K Flip-Flop
9689	1-317	D6	IC-HTL Hex Inverter High Voltage - **Disc.**
9690	1-317	D6	IC-HTL Hex Inverter Active Pullup - **Disc.**
9691	1-317	D6	IC-HTL Hex Inverter/Interface Element - **Disc.**
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9800	1-307	D6	IC-DTL Dual 5-Input NAND Gate (6 Kohm-Pullup)
9801	1-307	D6	IC-DTL Dual 5-Input NAND Gate (2 Kohm-Pullup)
9802	1-307	D6	IC-DTL 8-Input NAND Gate (6 Kohm-Pullup)
9803	1-307	D6	IC-DTL 8-Input NAND Gate (2 Kohm-Pullup)
9804	1-307	D6	IC-DTL 10-Input NAND Gate (6 Kohm-Pullup)
9805	1-307	D6	IC-DTL 10-Input NAND Gate (2 Kohm-Pullup)
9806	1-308	D6	IC-DTL Quad 2-Input AND Gate (6 Kohm-Pullup)
9807	1-308	D6	IC-DTL Quad 2-Input AND Gate (6 Kohm-Pullup)
9808	1-308	D6	IC-DTL Quad 2-Input OR Gate (6 Kohm-Pullup)
9809	1-308	D6	IC-DTL Quad 2-Input OR Gate (2 Kohm-Pullup)
9810	1-308	D6	IC-DTL Quad 2-Input NOR Gate (6 Kohm-Pullup)
9811	1-308	D6	IC-DTL Quad 2-Input NOR Gate (2 Kohm-Pullup)
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9813	1-308	D8	IC-DTL Quad Latch with Complementary Outputs
9814	1-308	D6	IC-DTL Quad Latch
9900	1-318	D2	IC-RTL Buffer-Medium Pwr
9903	1-318	D2	IC-RTL 3-Input NOR Gate-Medium Pwr
9904	1-318	D2	IC-RTL Half Adder-Medium Pwr
9905	1-318	D2	IC-RTL Half-Shift Register-Medium Pwr
9906	1-318	D2	IC-RTL Half-Shift Register w I/O Inverter-Medium Pwr
9907	1-318	D2	IC-RTL 4-Input NOR Gate-Medium Pwr
9908	1-318	D2	IC-RTL Adder and Exclusive OR-Low Pwr
9909	1-318	D2	IC-RTL Buffer-Low Pwr
9911	1-318	D2	IC-RTL 4-Input NOR Gate and Inverter-Low Pwr
9912	1-318	D2	IC-RTL Half Adder-Low Pwr
9913	1-318	D2	IC-RTL Type 'D' Flip-Flop-Low Pwr
9914	1-318	D2	IC-RTL Dual 2-Input NOR Gate-Medium Pwr
9915	1-318	D3	IC-RTL Dual 3-Input NOR Gate-Medium Pwr
9921	1-318	D2	IC-RTL Gate Expander-Low Pwr
9926	1-319	D3	IC-RTL J-K Flip-Flop-Medium Pwr
9927	1-319	D3	IC-RTL Quad Inverter-Medium Pwr
9930	1-308	D6	IC-DTL Dual 4-Input Extendable NAND Gate
9931	1-308	D6	IC-DTL R-S Clocked Flip-Flop
9932	1-308	D6	IC-DTL Dual 4-Input Extendable NAND Buffer Gate
9933	1-309	D6	IC-DTL Dual 4-Input Extender
9935	1-309	D6	IC-DTL Extendable Hex Inverter
9936	1-309	D6	IC-DTL Hex Inverter
9937	1-309	D6	IC-DTL Hex Inverter
9941	1-309	D6	IC-DTL Monostable Multivibrator (Input Clamp Diodes)
9944	1-309	D6	IC-DTL Dual 4-Input Extendable NAND Buffer Gate Open Collector
9945	1-309	D6	IC-DTL Clocked Flip-Flop
9946	1-309	D6	IC-DTL Quad 2-Input NAND Gate
9948	1-309	D6	IC-DTL Clocked Flip-Flop (Fast)
9949	1-309	D6	IC-DTL Quad 2-Input NAND Gate (Fast)
9950	1-309	D6	IC-DTL AC Coupled R-S Flip-Flop
9951	1-310	D6	IC-DTL Monostable Multivibrator
9961	1-310	D6	IC-DTL Dual 4-Input Extendable NAND Gate (Fast)
9962	1-310	D6	IC-DTL Triple 3-Input NAND Gate
9963	1-310	D6	IC-DTL Triple 3-Input NAND Gate (Fast)
9976	1-319	D6	IC-RTL Lo Pwr Dual J-K Flip-Flop
9982	1-319	D2	IC-RTL Lo Pwr J-K Flip-Flop
9989	1-319	D6	IC-RTL Medium Pwr Hex Inverter
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15008	1-143	L16B	IC Protector, 1 A
15009	1-143	L16B	IC Protector, 1.5 A
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15020	1-143	L16A	IC Protector, 0.4 A
15021	1-143	L16A	IC Protector, 0.6 A
15022	1-143	L16A	IC Protector, 0.8 A
15023	1-143	L16A	IC Protector, 1 A
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●15041	1-123	SA1	Surge Arrester, Gas Filled, 90 VDC
●15042	1-123	SA1	Surge Arrester, Gas Filled, 110 VDC
●15043	1-123	SA1	Surge Arrester, Gas Filled, 145 VDC
●15044	1-123	SA1	Surge Arrester, Gas Filled, 230 VDC
●15045	1-123	SA1	Surge Arrester, Gas Filled, 300 VDC
●15046	1-123	SA1	Surge Arrester, Gas Filled, 350 VDC
●15047	1-123	SA1	Surge Arrester, Gas Filled, 470 VDC
●15048	1-123	SA1	Surge Arrester, Gas Filled, 600 VDC
●15049AC	1-123	SA1	Surge Arrester, Gas Filled, 120 VAC
●15050AC	1-123	SA1	Surge Arrester, Gas Filled, 240 VAC
40085B	1-305	D8	IC-CMOS 4-Bit Magnitude Comparator
40097B	1-305	D8	IC-CMOS Hex 3-State Non-Inverting Buffer
40098B	1-305	D8	IC-CMOS Hex 3-State Inverting Buffer
40100B	1-305	D8	IC-CMOS 32-State Static Left/Right Shift Register
40106B	1-305	D6	IC-CMOS Hex Schmitt Trigger
40160B	1-305	D8	IC-CMOS 4-Bit Decade Asynchronous Reset Counter
40161B	1-305	D8	IC-CMOS 4-Bit Binary Asynchronous Reset Counter
40162B	1-305	D8	IC-CMOS 4-Bit Decade Synchronous Reset Counter
40163B	1-306	D8	IC-CMOS 4-Bit Binary Synchronous Reset Counter
40174B	1-306	D8	IC-CMOS Hex 'D' Flip-Flop
40175B	1-306	D8	IC-CMOS Quad 'D' Flip-Flop
40182B	1-306	D8	IC-CMOS Look-Ahead Carry Generator
40192B	1-306	D8	IC-CMOS 4-Bit Up/Down Synchronous Decade Counter
40193B	1-306	D8	IC-CMOS 4-Bit Up/Down Synchronous Binary Counter
40194B	1-306	D8	IC-CMOS 4-Bit Right/Left Shift Register
40195B	1-306	D8	IC-CMOS 4-Bit Shift Register
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56006	1-115	Z41	TRIAC-400 VRM, 15 A
56008	1-115	Z41	TRIAC-600 VRM, 15 A
56010	1-115	Z41	TRIAC-800 VRM, 15 A
56015	1-115	Z41	TRIAC-200 VRM, 25 A
56016	1-115	Z41	TRIAC-400 VRM, 25 A
56017	1-115	Z41	TRIAC-600 VRM, 25 A
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74109	1-332	D8	IC-TTL Dual J-K Edge Triggered Flip-Flop with Clear and Preset
74110	1-332	D6	IC-TTL Gated J-K M/S Flip-Flop with Clear and Preset
74121	1-332	D6	IC-TTL Monostable Multivibrator
74122	1-332	D6	IC-TTL Retriggerable Monostable Multivibrator with Clear and Internal Timing Resistor
74123	1-332	D8	IC-TTL Dual Retriggerable Monostable Multivibrator with Clear
74125	1-332	D6	IC-TTL Quad Buffer with 3-State Outputs Lo Enable
74126	1-333	D6	IC-TTL Quad Buffer with 3-State Outputs Hi Enable
74128	1-333	D6	IC-TTL Quad 2-Input NOR 50 Ohm Line Driver
74132	1-333	D6	IC-TTL Quad 2-Input NAND Schmitt Trigger
74136	1-333	D6	IC-TTL Quad Exclusive OR Gate
74141	1-333	D8	IC-TTL BCD-to-Decimal Decoder/Driver-Drives Gas Filled Cold Cathode Indicator Tubes Directly
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74143	1-334	D15	IC-TTL 4-Bit Counter/Latch and Decoder/Driver for Seven-Segment LED Displays - **Disc.**
74144	1-334	D15	IC-TTL 4-Bit Counter/Latch and Decoder/Driver with Open Collector Outputs - **Disc.**
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74147	1-334	D8	IC-TTL 10-Line Decimal to 4-Line BCD Priority Encoder
74150	1-334	D15	IC-TTL Data Selector/Multiplexer-Inverted Outputs
74151	1-334	D8	IC-TTL Data Selector/Multiplexer-Complementary Outputs
74152	1-334	D6	IC-TTL Data Selector/Multiplexer
74153	1-334	D8	IC-TTL Dual 4-Line-to-1-Line Data Selector/Multiplexer
74154	1-334	D15	IC-TTL 4-Line-to-16-Line Decoder/Demultiplexer
74155	1-334	D8	IC-TTL Dual 2-Line-to-4-Line Decoder/Demultiplexer Totem Pole Outputs
74156	1-335	D8	IC-TTL Dual 2-Line-to-4-Line Decoder/Demultiplexer Open Collector Outputs
74157	1-335	D8	IC-TTL Quad 2-Line-to-1-Line Data Selector/Multiplexer with Non-Inverting Outputs
74158	1-335	D8	IC-TTL Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting Outputs
74160	1-335	D8	IC-TTL Synchronous Decade Counter with Direct Clear
74161	1-335	D8	IC-TTL Synchronous Binary Counter with Direct Clear
74162	1-335	D8	IC-TTL Decade Counter with Synchronous Clear
74163	1-335	D8	IC-TTL Binary Counter with Synchronous Clear
74164	1-335	D6	IC-TTL 8-Bit Parallel-Out Serial Shift Register
74165	1-335	D8	IC-TTL Parallel-Load 8-Bit Shift Register
74166	1-335	D8	IC-TTL 8-Bit Parallel or Serial In-Serial Out Shift Register
74170	1-336	D8	IC-TTL 4-By-4 Register File
74173	1-336	D8	IC-TTL 4-Bit 'D' Register with 3-State Outputs
74174	1-336	D8	IC-TTL Hex 'D Type' Flip-Flop with Clear and Single Rail Outputs
74175	1-336	D8	IC-TTL Quad 'D Type' Flip-Flop with Clear and Double Rail Outputs
74176	1-336	D6	IC-TTL Decade Counter (Can be connected in BCD, ÷2, ÷5, or Biquinary Mode)
74177	1-336	D6	IC-TTL 4-Bit Binary Counter (Can be connected as ÷2, ÷8, or ÷16 Counter)
74178	1-336	D6	IC-TTL 4-Bit Shift Register with Serial and Parallel Data Entry - **Disc.**
74179	1-336	D8	IC-TTL 4-Bit Shift Register with Serial and Parallel Data Entry Plus Direct Reset (RD) and a D (Out) Line
74180	1-336	D6	IC-TTL 8-Bit Odd/Even Parity Generator/Checker
74181	1-336	D15	IC-TTL Arithmetic Logic Unit/Function Generator
74182	1-336	D8	IC-TTL Look-Ahead Carry Generator
74190	1-337	D8	IC-TTL BCD-Synchronous Up/Down Counter with Up/Down Mode Control
74191	1-337	D8	IC-TTL 4-Bit Binary Synchronous Up/Down Counter with Up/Down Mode Control
74192	1-337	D8	IC-TTL Synchronous Up/Down Decade Counter-Dual Clock with Clear
74193	1-337	D8	IC-TTL Synchronous Up/Down 4-Bit Binary Counter-Dual Clock with Clear
74195	1-337	D8	IC-TTL 4-Bit Parallel Access Shift Register
74196	1-337	D6	IC-TTL 50 MHz Presettable Decade Counter and Latch (Can provide ÷2 and ÷5 Counter)
74197	1-337	D6	IC-TTL 50 MHz Presettable Binary Counter and Latch (Can provide ÷2 and ÷8 Counter)
74198	1-337	D15	IC-TTL 8-Bit Right-Left Shift Register (Parallel Inputs-Parallel Outputs)
74199	1-337	D15	IC-TTL Synchronous 8-Bit Register
74221	1-337	D8	IC-TTL Dual Monostable Multivibrator
74249	1-338	D8	IC-TTL BCD-to-Seven Segment Decoder/Driver
74251	1-338	D8	IC-TTL Data Selector/Multiplexer with Inverting and Non-Inverting 3-State Outputs
74290	1-339	D6	IC-TTL Decade Counter
74293	1-339	D6	IC-TTL 4-Bit Binary Counter - **Disc.**
74365	1-340	D8	IC-TTL Hex Non-Inverting 3-State Bus Driver with Common Enable
74366	1-340	D8	IC-TTL Hex Inverting 3-State Bus Driver with Common Enable
74367	1-340	D8	IC-TTL Hex Non-Inverting 3-State Bus Driver with 4-Line and 2-Line Enable
74368	1-340	D8	IC-TTL Hex Inverting 3-State Bus Driver with 4-Line and 2-Line Enable
74390	1-341	D8	IC-TTL Dual Decade Counter
74393	1-341	D6	IC-TTL Dual 4-Bit Binary Counter
74490	1-341	D8	IC-TTL Dual Decade Counter
75188	1-350	D6	IC-DTL Quad Line Driver
75189	1-350	D6	IC-DTL Quad Line Receiver
75450B	1-351	D6	IC-Dual Peripheral AND Driver
75451B	1-351	D4	IC-Dual Peripheral AND Driver
75452B	1-351	D4	IC-Dual Peripheral NAND Driver
75453B	1-351	D4	IC-Dual Peripheral OR Driver
75454B	1-351	D4	IC-Dual Peripheral NOR Driver
75491B	1-351	D6	IC-Quad LED Segment Driver with MOS Compatible Inputs
75492B	1-351	D6	IC-Hex Digit Driver with MOS Compatible Inputs - **Disc.**
75493	1-351	D8	IC-Quad LED Segment Driver with MOS Compatible Inputs
75494	1-351	D8	IC-Hex LED Digit Driver with MOS Compatible Inputs
75497	1-351	D8	IC-7 Channel LED Driver with MOS Compatible Inputs
75498	1-351	D12	IC-9 Channel LED Driver with MOS Compatible Inputs - **Disc.**

ECG® Semiconductors — Replacement Procedures

Universal Replacements

1. ECG Semiconductors can be used with confidence because they are specially selected prime parts whose specifications generally exceed those of the original part or application. A maximum number of replacement requirements can be satisfied with a minimum inventory of ECG Semiconductor devices. For example, ECG125 diode can be used to replace more than 625 JEDEC (1N) types (1N867, 1N4001, 1N4003, 1N4011, etc.) and ECG123A transistor can be used to replace more than 200 (2N) types (2N708, 2N708A, 2N2096A, 2N3115, etc.) plus thousands of other standard industry transistor types.
2. The frequency of equipment repair can be reduced by upgrading with ECG Semiconductors. For example, if a 100 volt, 15 amp rectifier is frequently replaced in an important control unit, replace it with a higher voltage and/or higher current part, as explained in rectifier replacement section. Or, if the device is overheating, additional heat sinking may be required.
3. ECG Replacement Semiconductors are available through an international network of electronic distributors. These distributors provide local availability of ECG replacement semiconductors to help keep equipment downtime at a minimum.

Replacement Techniques

Forming Pins

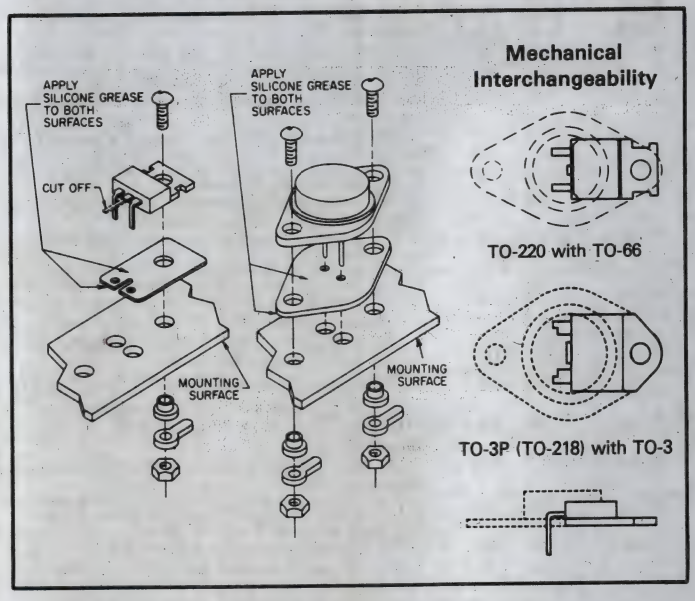
When replacing the original device with an ECG unit, certain mechanical and electrical requirements must be observed. Compare the lead or terminal arrangement of the original part with the ECG replacement. If necessary, bend the leads to the proper basing arrangement and insulate them to prevent possible shorts. For socketed devices, cut the leads on the replacement to proper length. Check the outline dimensions of the replacement if mounting space is a problem. Replacement in untuned stages can generally be made with a minimum of effort.

1. To avoid pulling when bending a plastic device pin, always restrain the pin firmly by holding with a pair of needle-nosed pliers or tweezers located at least 1/8-inch away from the device body. Internal connections of the pins to their junctions may be disrupted if this procedure is not observed.
2. If pins must be spread apart, bend the pin only in the narrow portion of its length, again restraining the pin during bending as per Step 1.
3. Maintain a bend radius of at least 1/16-inch.
4. Do not repeatedly bend pins. Insulate pins if necessary to avoid short circuits.
5. Mount the device before soldering to leads.

Mounting

(See Illustration)

1. Use the proper mounting hardware, such as insulating bushings, insulating washers, etc., called for by the specific application.
2. To promote efficient heat transfer, insulating washers, when required, should be thin (typically three mils for a mica washer). Use a thin, even layer of ECG424 Heat Sink compound on both sides of the washer.
3. Exercise care that the tool used to tighten the transistor retaining nut or bolt does not contact the device body.
4. Unless otherwise specified do not exceed six inch-pounds torque (an average male can exert about 50-inch pounds torque with a screwdriver).



5. Avoid exerting pull of the device pins while connecting them to their circuit connections. Provide a means of strain relief if these connections tend to place pulling forces on the pins.
6. To extend transistor life in high-power dissipation applications where a large thermal interface is not provided by the original equipment, the use of a heat sink is recommended when space permits. The ECG line includes a variety of transistor heat sinks, insulator kits, and heat sink compound for this purpose.

Soldering

1. Solid-state circuitry is generally miniaturized and is most often fabricated on a printed-circuit board. Any repairs to this type of circuitry require a well-tinned, pencil-type soldering iron. Care must be taken in soldering, both to prevent damage to the printed circuit board and to make sure that the solid-state device itself is not overheated. A good quality 60/40 (60% tin, 40% lead) solder helps to make joints quickly with a minimum of heat. When solid-state devices must be removed or installed, some means must be provided to conduct heat away from their junctions. Long-nose pliers or hemostats may be used as a heat sink.
2. Leakage between the heating element and the soldering-iron tip can cause the tip to be above ground potential. This leakage voltage may cause transistor damage if the chassis has a return to ground. To be on the safe side when soldering or unsoldering solid-state devices (especially non-gate protected MOSFET's), it is recommended that a flexible grounding strap be connected from the metal neck of the soldering iron to a good ground.
3. The same considerations about line leakage also apply to the use of oscilloscopes and signal generators. Even though the equipment may have a power transformer, the "line-filter" capacitors which are usually connected between the transformer primary and chassis ground permit an ac flow between chassis ground and earth ground. Therefore, if you connect the ground lead of such test equipment to a sensitive point in transistorized equipment having an earth ground, damage may result.
4. After soldering the connections using good solid-state practice, complete the replacement job with a check of the bias, following the procedures provided by the equipment manufacturer.

Mosfet Handling Precautions

In handling non-gate protected MOSFETS, such as the ECG220 and ECG221, the following precautions should be observed:

Prior to assembly into a circuit, all leads should be kept shorted together with the metal spring.

When devices are handled, the hand being used should be at ground potential.

Tips of soldering irons should be grounded.

Devices should never be inserted into or removed from circuit with power on.

Gate-protected devices, such as the ECG222, incorporate special back-to-back diodes that are diffused directly into the M.O.S. pellet and are electrically connected between each insulated gate and the FET's source. These diodes effectively bypass any voltage transients which exceed approximately ±10 volts and protect the gates against damage in all normal handling and usage.

CMOS Handling Precautions

The input protection networks incorporated in all CMOS devices are effective in a wide variety of device handling situations. To be totally safe, however, it is desirable to restate the general conditions for eliminating all possibilities of device damage.

CMOS devices may be damaged if exposed to high static charges. The handling procedure shown below should be followed in order to assure against damaging the devices:

1. The leads of the devices should be shorted out with some type of conductive material except when being tested or when actually in the circuit. This will prevent build up of static charges.
2. All tools, jigs and fixtures, soldering-irons and any type of handling device should be grounded.
3. Transient voltages can damage CMOS too. Therefore, units should not be plugged into, or removed from, circuits while power is still on. Signals should not be applied if the power to the device is off.
4. If a lead is not used, it must be either grounded or connected to the device power supply. Which one will depend on the logic circuit involved.

Table I indicates general handling procedures recommended to prevent damage from static electrical charges.

Total protection results when personnel and materials are all at the same or ground potential.

Table I

	Should Be Conductive	Should Be Grounded to Common Point
Handling Equipment	X	
Metal Parts of Fixtures and Tools		X
Handling Trays	X	X
Soldering Irons		X
Table Tops	X	X
Transport Carts		(Static Discharge Straps)
Manufacturing Operating Personnel		*(Utilize Grounded Metal Wrist Straps)
General Handling of Devices		*(Utilize Grounded Metal Wrist Straps)

* 470 Kohm series resistor

Dry weather (relative humidity less than 30%) tends to multiply the accumulation of static charges on any surface. Conversely, higher humidity levels tend to reduce the magnitude of the static voltage generated. In a low-humidity environment, the handling precautions listed above take on added importance and should be adhered to without exceptions.

Selecting a Bi-Polar Transistor For An Unlisted Type

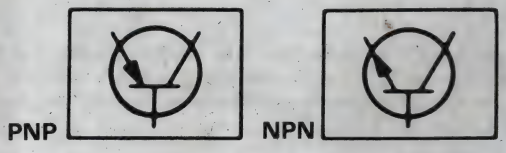
If the transistor to be replaced is unmarked or not listed in the ECG Replacement Guide, the following procedure can be used to make an accurate replacement selection.

Step-by-step determine each of the following parameters:

1. Polarity NPN or PNP
2. Type of material - silicon or germanium
3. Operating frequency range
4. Maximum voltage, collector to emitter
5. Maximum voltage, collector to base
6. Maximum collector current
7. Maximum power dissipation
8. Current gain
9. Case packaging
10. Lead configuration

Step 1

Is it an NPN or PNP device? Your first source of information would be the schematic drawings. If the arrow on the emitter of the transistor symbol is pointing toward the base, you know it is a PNP device, or if it is pointing away from the base, it is an NPN.



Now let's say for argument sake that the schematic has been drawn incorrectly or suppose you have no schematic, your next clue would be to determine the polarity of the voltage between the emitter and collector.

If the collector voltage is positive with respect to the emitter voltage, then it is a NPN device. If the collector voltage is negative with respect to the emitter voltage then it is a PNP device. Therefore, if the V_{CE} (collector to emitter voltage) is positive, it's NPN, or if the V_{CE} is negative, it's PNP. An easy way to remember the polarity of the collector voltage for each type is:

NP OSITIVE N

PN EGATIVE P

Step 2

Next you must decide whether the device is silicon or germanium. This is most effectively done by the use of a schematic drawing. If you find that the D.C. bias voltage level between the base and emitter is 0.2 volts or less, it is probably a germanium device. Now, if you get a bias voltage reading of 0.4 volts or more, it is probably a silicon device. There will, of course, be some cases where there will be either no bias or reverse bias voltage present. This would be the case in oscillator and sync clipper circuits.

Another way of determining the type of material of a transistor is to look at the complexity of the circuit with respect to the number of components in a single stage. Germanium circuits are much more complex due to germanium's unstable nature with respect to temperature changes and its high leakage currents, therefore, several components are required per stage to make it stable. Voltage dividers are used to compensate the bias voltage and an emitter limiting resistor is always used.

A silicon device, however, is very stable with respect to gain when temperature changes and silicon has very low leakage currents. Therefore, a single silicon amplifier stage may only consist of one resistor for base bias and one load resistor. Some circuits using silicon still have more compensating components than

they require but as design engineers have become more aware of the stability of silicon, circuits have become simpler.

Step 3

After you have determined the polarity and type of material of a device, you next determine the operating frequency range of the circuit in which it is used. This is done mainly by identifying the type of circuit and whether it is working in the audio range, the kilohertz range or the megahertz range.

Step 4

Next you look at the schematic or the circuit and determine the maximum collector to emitter voltage present in the circuit. In most cases, it is best to use the supply voltage figure as your reference. This figure will then be used to select a replacement device, which has a collector to emitter breakdown voltage at least slightly higher than the supply voltage. Preferably the higher the collector to emitter breakdown voltage, the better.

Step 5

Next the collector to base maximum voltage must be determined. If you have determined the collector to emitter maximum voltage requirements, then you can use this figure for the collector to base maximum voltage requirements.

Step 6

The sixth step is to determine the maximum collector current. To do this you would consider the DC condition with the device fully on, which of course would give you the highest current required of the device.

Step 7

Now that you have determind the maximum voltage and collector current requirements, you can use them in determining the maximum power requirements. However, the type of circuit where the device is used is the major factor with respect to power dissipation. Here we have some general wattage ranges for different circuit types.

1. Input stages, AF or RF, 50-200 milliwatts
2. IF stages and driver stages, 200 MW - 1 watt
3. Higher power output stages 1 watt and up

Step 8

Next you determine the gain expected from the circuit. This is determined primarily by its application in a circuit. Some typical gain categories are:

RF, Mixers, IF and AF	80 - 150
RF and AF Drivers	25 - 80
RF and AF Output	4 - 40
High Gain Preamps and Sync Separators	150 - 500

Step 9

Next you determine the case packaging and over-all dimensions. (Case type and size need only be considered where an exact mechanical fit is required. Otherwise, if you can fit the device into place even though it is not the exact case, it will probably do the job as well as the original. Some high frequency circuits may require exact replacements but even these circuits will require some alignment touch-up, especially in the case of UHF circuits.)

Step 10

Lastly you note the lead configuration. (Lead configuration generally is not a prime consideration for replacement transistors although it may be desirable for ease of insertion and appearance.)

With the above 10 parameters determined, the application selector guides in the transistor section can be used to find an accurate replacement device.

In an emergency situation where a replacement is listed in the ECG Semiconductor Guide but you do not have the recommended type in stock, this procedure could be used to determine alternate ECG replacements with higher ratings or different case or lead configurations.

SCR, Triac, Rectifier and Bridge Replacement

A substitute rectifier, SCR, triac or bridge can be used as long as it is:

1. Equal to or greater in current rating
2. Equal to or greater in voltage rating
3. In a similar case
4. Has (for SCR's and triacs) the same or lower I_{GT} rating
5. Has equal or faster switching speed

The important factor in point 3 is that for proper heat transfer, substitutes for stud type devices should have the same stud size - this, so you can simply take out the defective device and install the new device without having to drill a new size hole in the heat sink. In the case of axial lead devices, however, you may substitute if the case is equal to or smaller than the original device.

Not all ECG devices can be substituted in the above manner. The above-mentioned five substitution factors apply to SCR's, triacs, rectifiers, and bridges only. Voltage regulation zener substitutions are somewhat less flexible, since each zener is manufactured for, and used as, a specific voltage regulator you cannot substitute a different zener voltage.

Personalized Service For Unlisted Types

Upon the user's request, the ECG Semiconductor Field Engineering Department will try to cross reference any type number or part number not in this ECG Semiconductor Replacement Guide. Sometimes this is possible, sometimes not. However, the chance of success is greatly increased as the amount of information to work with goes up. Therefore, when requesting a new cross reference, please give as much of the information requested in Table II as possible.

Table II

1. Type Number
2. Part Number
3. Number on Device
4. Type of Device (i.e., Diode, Rectifier, PNP or NPN Transistor-Silicon or Germanium, SCR, Triac, Integrated Circuit, etc.)
5. If IC, Specify Digital, Linear, or Other Description
6. Case Style (i.e., TO-5, DIP, 3/8" Stud, etc.)
7. Number of Leads
8. Application of Device (i.e., TV, Motor Control, Battery Charger, Arc Welder, Tape Deck, CB, Scanner, Auto Radio, etc.)
9. Manufacturer's Name
10. Trade Name
11. Chassis Number
12. Model Number
13. Description of Device Function

Inquiries for such cross reference information should be sent to:

ECG Semiconductor, Field Engineering
Philips ECG
1025 Westminster Drive
Williamsport, Pennsylvania 17701

Testing Solid-State Devices

Precautions

Ohmmeters - Ohmmeters must be used with great care in transistor circuits. It must be remembered that the ohmmeter has an internal voltage source. Also, some instruments are capable of delivering high currents.

Meter test probes with sharp points facilitate checks on printed-circuit boards. They minimize the danger of accidentally bridging adjacent conductors. Also, the needle points easily pierce resin, varnish, or surface corrosion on the conductors. False readings are often the result of not making good connections on the printed-circuit board.

In-circuit measurements are often misleading because of the shunt paths provided by transistor junctions that become forward biased by the ohmmeter's supply. An example is shown in Fig. A. With the ohmmeter connected in this fashion, the internal battery places a forward bias on the emitter junction of the transistor. This effectively places R_E in shunt with R2.

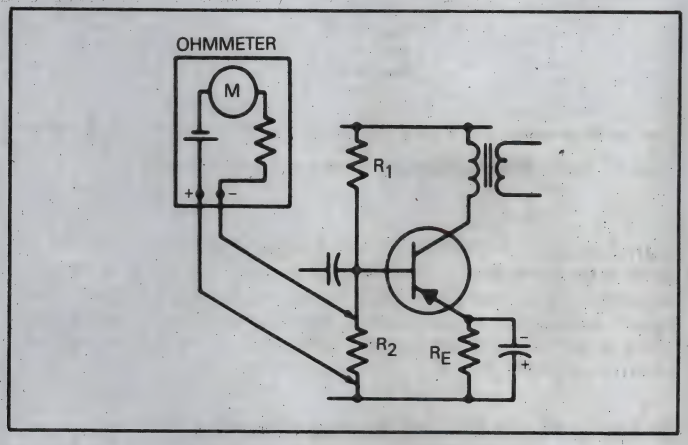


Fig. A. False resistance reading caused by forward-biased emitter junction.

In addition to shunt paths provided by transistor junctions, the physically small electrolytic capacitors employed as coupling and bypass capacitors also provide low-resistance shunt paths if the ohmmeter's internal supply should polarize them incorrectly. These components can be permanently damaged by even a low voltage of incorrect polarity. Damage can also be caused if the polarity is correct, but the working voltage of the capacitor is exceeded by the ohmmeter's supply. Some capacitors are rated at only 3 volts, while the internal supply of many ohmmeters is 7.5 volts and may run as high as 30 volts. (Most electronic VOM's employ a 1.5-volt supply and are therefore always safe as far as voltage breakdown is concerned.)

As a general rule, ohmmeter measurements in the transistor circuit should be made by disconnecting one lead of the component to be checked. This removes any possibility of a shunt path. However, the reading in Fig. A. could be made if the ohmmeter leads are reversed, in which case the emitter junction becomes reverse biased. This requires a knowledge of the polarity of the ohmmeter voltage at the meter's test leads.

Ohmmeter connections that reverse-bias transistor junctions sometimes run the risk of exceeding the breakdown potential of the junction. This is particularly true in the case of the emitter junction, which breaks down at lower reverse voltages. If the $V_{(BR)EBO}$ of the transistor is not known and if a battery voltage of several volts or more is used in the ohmmeter, it is best to disconnect the transistor.

Ohmmeter readings that intentionally or accidentally forward bias a transistor junction also run the risk of causing excessive current flow through the transistor. The forward-biased junction is practically a short, so that the total current flowing is determined mainly by the ohmmeter's voltage supply and its internal resistance. Many ohmmeters, including electronic VOM's, supply a short-circuit current of 100 mA when used on the Rx1 scale. This current can damage many transistors. To prevent any danger of damage, only use those resistance ranges where the short circuit current is below 1 mA. For most service-type instruments, use of the Rx100 and Rx10k ranges is safe. Do not read forward-bias currents on the Rx1 scale.

Summing up, ohmmeter readings require some judgment before they are made. You need to know three things about the ohmmeter before making measurements: the polarity of the voltage at the leads, the voltage of the internal battery, and the short-circuit current. Also, unless shunt paths can be definitely eliminated by proper polarization, one lead of the component to be checked must be disconnected.

Identifying Leads on Unmarked Transistors — Occasionally, identifying marks may be obliterated on the transistor case. The leads may then be identified with the few ohmmeter checks shown in Fig. B. In Step 1, ohmmeter checks are made between each pair of leads in both the forward and reverse directions. Low readings (below 500 ohms) will be found when the ohmmeter places a forward bias across emitter and collector junctions. The highest forward reading is obtained when the meter is placed across the emitter and collector leads. This check establishes the base lead as the one that is not involved in the high forward-resistance reading.

Step 2 identifies the transistor type. An ohmmeter check is made between the base and one other lead. If a low-resistance reading is obtained when the negative side of the ohmmeter is connected to the base, the transistor is a PNP type. A low resistance reading when the base is positive indicates an NPN unit.

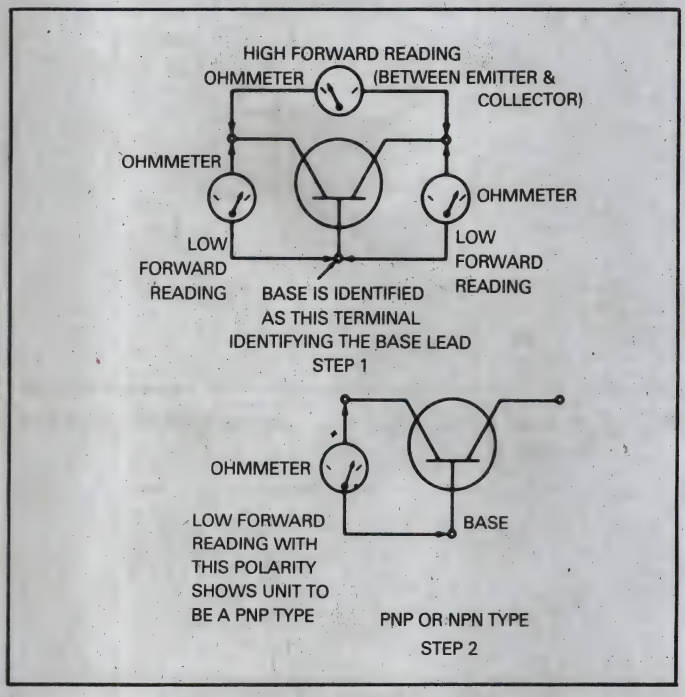


Fig. B. Hookup arrangement for identifying leads.

Testing Bipolar Transistors

A transistor that is operated within its ratings with respect to voltage, power dissipation, and temperature is normally expected to have an almost unlimited life. Failures in transistorized circuits are more often the result of damage or malfunctioning of some other component. This is particularly true when miniature transformers and electrolytic capacitors are employed. Despite the reliability of the transistor itself, failures occur due to shorts or opens in the bias circuitry, temporary overloads, physical damage, or even mishaps while servicing.

A great number of transistor testers and analyzers are available. Some only check leakage and current gain, while others are capable of measuring all of the transistor parameters. From a servicing viewpoint, a few simple tests are enough to reveal a great majority of troubles. These tests, to be described, reveal shorts, opens, excessive leakage, and provide a rough check of current gain. Fortunately, little equipment is required. Some of the tests require only an ohmmeter. The more elaborate checks can be made with just a few additional components.

Testing the Junctions — The transistor contains two p-n junctions or diodes. Most of the characteristics of the transistor are tied in with the behavior of the junctions, while the rest of the device simply serves as connective material. Damage to the transistor, therefore, almost always shows up as a malfunctioning of one of the rectifying junctions. The fault may be an open or shorted junction, or excessive reverse current (leakage).

A rough but useful check of the condition of the junctions may be made with an ohmmeter. First, the forward resistance of each junction is measured, as shown in Fig. C. In this figure, the connections for a PNP transistor are shown. The negative terminal of the ohmmeter is connected to the base. The forward resistance of both junctions is checked by touching the emitter and then the collector terminal in turn with the positive lead. A high reading indicates an open junction. A normal unit should show a reading below 500 ohms. Observe the precautions given earlier for using the ohmmeter. The forward resistance of the junctions of an NPN unit is checked with the same setup shown in Fig. C, but with the leads to the ohmmeter reversed.

To check for shorts or excessive leakage, reverse the ohmmeter connections and switch to a higher resistance scale, as shown in Fig. D. Now the ohmmeter places a reverse bias on each junction in turn, and leakage current is registered on the meter. A low resistance reading indicates a shorted or leaky junction. Low- and medium-power germanium transistors should show a resistance reading of at least 500 kilohms.

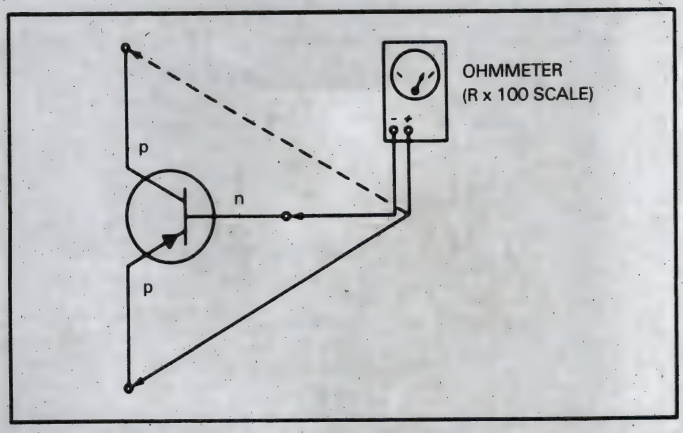


Fig. C. Method of checking the forward resistance of both junctions.

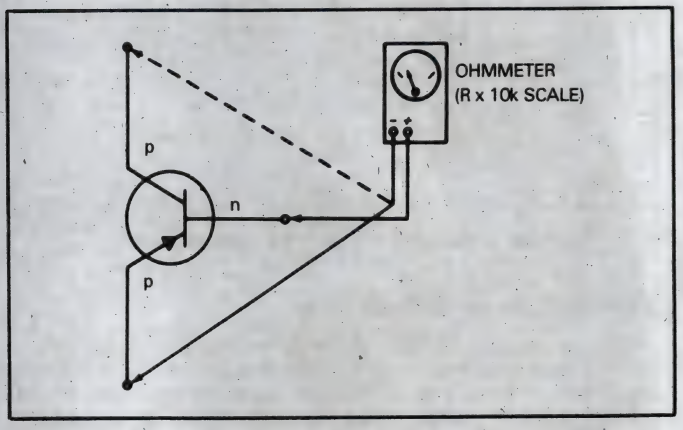


Fig. D. Method of checking the reverse resistance of both junctions.

Typical readings taken with an ohmmeter on the Rx10k scale are 700 kilohms to 1.5 megohms. Silicon transistors give much higher resistance readings. Power transistors have larger junctions and therefore greater leakage currents. Reverse-bias resistance readings should be 50 kilohms or greater for power transistors.

Reverse-resistance checks on NPN transistors are made by reversing the ohmmeter leads so they are opposite to that shown in Fig. D. Note that the actual numerical reading in ohms is meaningless, because the ohmmeter can only measure linear resistances. The specific ohms-reading changes from meter to meter and is not the same for different settings of the range switch. The minimum and maximum values given here apply in the majority of cases. To increase the accuracy of the ohmmeter check, the readings should be compared with those made on a known good transistor of the same type.

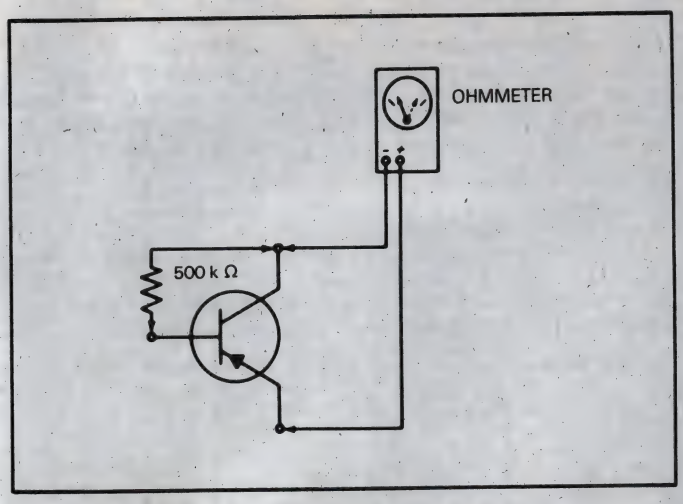


Fig. E. Gain measurement using an ohmmeter.

Current Gain — Transistor action may be checked with an ohmmeter by means of the setup shown in Fig. E. The meter registers I_{CEO} before the 500-kilohm resistor is touched to the base. Connecting the resistor allows a small base bias to be applied, and the meter shows an increase in current (decrease in resistance reading).

Testing Field-Effect Transistors

Testing field-effect devices is somewhat more complicated than testing bipolars and must take into account the following:

1. Is the device a JFET or MOSFET?
2. Is the FET an n-channel or p-channel type?
3. If the device is a MOSFET, is it an enhancement or depletion type?

Do not attempt to remove from the circuit or handle a FET unless certain that the device is a JFET or an insulated-gate-protected MOSFET. This verification is essential, because an uninsulated-gate-protected MOSFET may be damaged unless proper handling precautions are taken. When handling or inserting or removing this type of MOSFET, the following should be observed:

1. Prior to assembly into a circuit, all leads should be kept shorted together by either the use of metal shorting springs attached to the device by the vendor, or by the use of a conductive foam. Note - polystyrene "snow" should not be used because it can acquire high static charges.
2. When devices are removed by hand from their carriers, the hand being used should be at ground potential.
3. Tips of soldering irons should be grounded.
4. Devices should never be inserted into or removed from circuits with the power on.

Testing the JFET — The forward resistance of a JFET can be checked with a low-voltage ohmmeter, preferably on the Rx100 scale. Connect the positive lead to gate and the negative lead to the drain or source, if an n-channel JFET. Reverse the leads if a p-channel type.

To test the reverse resistance of an n-channel JFET, connect the negative lead of the ohmmeter to the gate and the positive lead to the drain or source. The device should show almost infinite resistance. Lower readings indicate either leakage or a short. Reverse the leads to test a p-channel device.

Testing the MOSFET — The forward resistance and reverse resistance can be checked with a low-voltage ohmmeter on the highest "R" scale. The insulated-gate MOSFET has an extremely high input resistance. Hence, we should obtain almost infinite resistance readings for both forward and reverse resistance test between gate and drain or source. Lower readings indicate a breakdown in the insulation between gate and drain or source.

Testing Diodes

Diodes and Rectifiers — Because diodes and rectifiers are non-amplifying devices, simple tests for shorts, opens, or excessive leakage are useful methods to determine if they are functioning properly. The following tests are not applicable to the special case of focus diodes and high-voltage triplers, however. The forward resistance of a diode or rectifier is checked by connecting the positive and negative leads of an ohmmeter, preferably set to the Rx100 scale, to their respective positive (anode) and negative (cathode) terminals. A reading of about 500 to 600 ohms is normal for silicon types, about 200 to 300 ohms for germanium types, and for larger-type rectifiers (germanium or silicon) the resistance is somewhat lower than their respective diode types. Because high-voltage types may have several diodes in series, higher resistance readings can be expected.

As a quick go/no-go test, the ohmmeter procedure just described is a good technique.

To check for shorts or excessive leakage, switch to a higher resistance scale and reverse the ohmmeter leads. A low resistance reading indicates a short or leaky device. Germanium diodes should show a resistance reading from about 100 kilohms to 1 megohm. Silicon diodes show higher resistance readings and can go up to 1000 megohms. However, some diodes may show lower resistances but function satisfactorily in some circuits. Rectifiers, because they generally have larger junctions, have higher leakage currents.

Zener Diodes — To quickly determine if Zeners have opens, shorts, or leakage, connect an ohmmeter in the forward direction in the same manner as described for standard diodes.

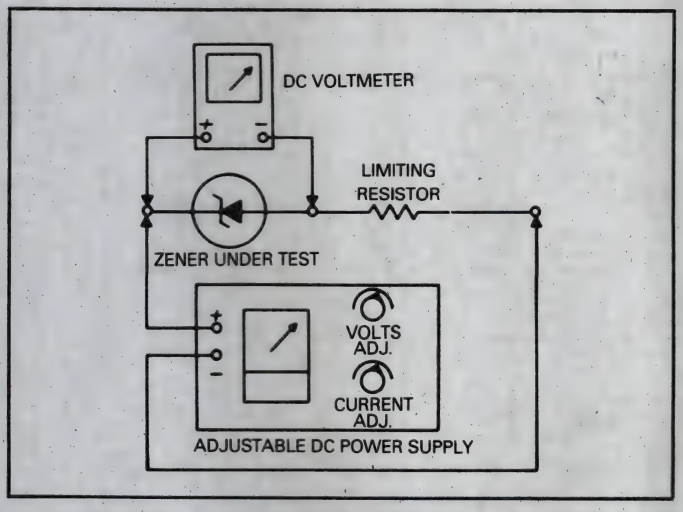


Fig. F. Hookup arrangement for testing Zener diodes.

However, these tests, although helpful, do not provide the primary information needed for a Zener diode, namely, is the device regulating at its rated value? A regulation test is accomplished with a metered adjustable power supply that preferably indicates voltage and current.

Connect the output of the power supply through a limiting resistor in series with the Zener diode to be tested and slowly increase the output voltage until the specified current is flowing through the Zener (see Fig. F). Now connect a voltmeter across the Zener to monitor the Zener voltage. Fluctuate the current on either side of the specified Zener current; if the Zener is operating properly, the voltage should remain constant.

Testing SCRs and TRIACs (Thyristors)

The functional testing of SCRs and TRIACs usually requires test equipment capable of supplying the specified gate current (I_{GT}) and minimum hold current of the Thyristor. These parameters are given in chart form in the SCR and TRIAC sections of this book.

Testing with an ohmmeter is not recommended for high current Thyristors and should only be used for relative indications in low current Thyristors. The I_{GT} and I_{Hold} parameters of the Thyristor may exceed the source current capability of the ohmmeter causing false readings and therefore, may not always indicate the true function of the device.

However, a simple ohmmeter test on low power Thyristors may provide an approximate evaluation of their gate-firing capabilities by connecting an ohmmeter as shown in Fig. G. The negative lead is connected to cathode and the positive lead is connected to anode.

Using the Rx1 scale, short the gate to the anode. A reading of approximately 15 to 50 ohms is normal. **Note:** When the gate-to-anode short is removed, the same reading should still show on the meter until the leads are removed from cathode or the anode. Now, reconnecting the meter leads to cathode and anode should show no reading until the gate is again shorted to the anode.

Testing of Gate turn off SCRs requires special test equipment. Field testing of these SCRs is difficult and typically provides erroneous results.

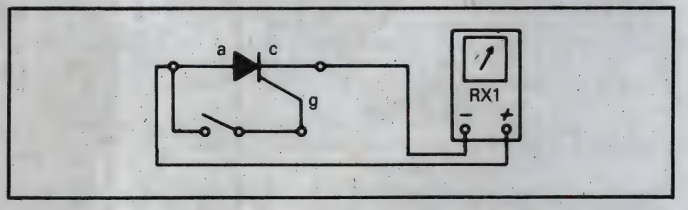


Fig. G. Hookup arrangement for testing thyristors with an ohmmeter.

Transistors

Bi-Polar Types (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG10	NPN-Si, Low Noise, UHF/VHF Amp (G_{PE} 10 dB Typ)	25	12	3	70 mA	.600	5 GHz	40 min	TO-92	T16
ECG11	NPN-Si, Hi Gain, Hi Current, Gen Purp (Compl to ECG12)	40	20	7	5	.75	150	200 min	TO-92	T16
ECG12	PNP-Si, Hi Gain, Hi Current, Gen Purp (Compl to ECG11)	27	18	7	5	.75	120	180 min	TO-92	T16
ECG13	NPN-Si, Hi Gain, Gen Purp Amp	25	20	12	.5	.6	200	400 min	M-71	T20-3
ECG14	PNP-Si, Gen Purp, AF Amp, Driver	80	80	5	.7	.75	100	120 min	M-68	T20-2
ECG15	NPN-Si, VHF Amp, Mixer, Osc, UHF Osc	30	18	4	50 mA	.300	600 min	40 min	M-68	T20-2
ECG16	NPN-Si, Gen Purp Small Signal Amp, Low Noise (Compl to ECG17)	50	40	5	.100	.300	180	300	M-71	T20-3
ECG17	PNP-Si, Gen Purp Small Signal Amp, Low Noise (Compl to ECG16)	50	40	5	.100	.300	140	300	M-71	T20-3
ECG18	NPN-Si, AF Driver, Gen Purp Amp (Compl to ECG19)	80	80	5	.700 1 peak	1	120	120 min	M-71	T20-3
ECG19	PNP-Si, AF Driver, Gen Purp Amp (Compl to ECG18)	80	80	5	.700 1 peak	1	100	120 min	M-71	T20-3
ECG20	NPN-Si, AF PO, Dr, Series Pass (Compl to ECG21)	40	32	5	2 2.5 peak	1	100	120 min	M-71	T20-3
ECG21	PNP-Si, AF PO, Dr, Series Pass (Compl to ECG20)	40	32	5	2 3 peak	1	100	120 min	M-71	T20-3
ECG22	NPN-Si, AF PO, Dr, Gen Purp Amp	100	80	5	1 2 peak	1	100	120 min	M-71	T20-3
ECG23	NPN-Si, Low Noise UHF/VHF Amp, Antenna Amp, H.F. IF Amp (G_{PE} 15 dB Typ)	30	14	3	50 mA	.250	2 GHz	80 typ	TO-92	T16
ECG24	NPN-Si, Gen Purp Amp, Sw (Compl to ECG25)	100	80	5	1.25	1	50	80 min	TO-237	T17
ECG25	PNP-Si, Gen Purp Amp, Sw (Compl to ECG24)	100	80	5	1.25	1	50	80 min	TO-237	T17
ECG26	NPN-Si, Audio Amp, Lo Noise	120	120	5	50 mA	.3 ($T_A = 25°C$)	100	300 min	SP-92	T13-1
ECG27	PNP-Ge, Hi Current Gen Purp Amp	60	45	30	60	170	2 (kHz)	120 typ	TO-3	T28A
ECG28	PNP-Ge, Hi Current Gen Purp Amp	60	45	30	60	170	2 (kHz)	120 typ	TO-68	T29A
ECG29	NPN-Si, Hi Pwr Amp, Sw, $t_f = .3$ μsec typ (Compl to ECG30)	80	80	5	50	300	2 min	20 min	TO-3	T28A
ECG30	PNP-Si, Hi Pwr Amp, Sw, $t_f = .3$ μsec typ (Compl to ECG29)	80	80	5	50	300	2 min	20 min	TO-3	T28A
ECG31	NPN-Si, AF Driver Output (Compl to ECG32)	160	160	6	1	.9 ($T_A = 25°C$)	20 min	100 min	TO-92M	T18
ECG32	PNP-Si, AF Driver Output (Compl to ECG31)	160	160	6	1	.9 ($T_A = 25°C$)	15 min	100 min	TO-92M	T18
ECG33	NPN-Si, Audio Pwr Amp (Compl to ECG34)	160	160	5	15	150	80	120 min	TB-34	T44
ECG34	PNP-Si, Audio Pwr Amp (Compl to ECG33)	160	160	5	15	150	60	120 min	TB-34	T44

DISCONTINUED

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG36 **ECG36MP***	NPN-Si, Pwr Amp, Hi Speed Switch (Compl to ECG37)	160	140	6	12	100	15	60 min	TO-3PJ	T48-1
ECG37 **ECG37MCP**	PNP-Si, Pwr Amp, Hi Speed Switch (Compl to ECG36) Matched Compl Pair-Contains one each of ECG36 (NPN) and ECG37 (PNP)	160	140	6	12	100	15	60 min	TO-3PJ	T48-1
ECG38	PNP-Si, HV AF Pwr Amp, Hi Speed Sw, $t_f = .6$ μsec (Compl to ECG175)	400	350	6	2 cont. 5 peak	35	20	50 typ	TO-66	T25
ECG39	PNP-Si, HV AF Pwr Amp (Compl to ECG157)	300	300	3	.500	20	10	80 typ	TO-126	T45
ECG40	**Dual** NPN-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	100	100	5	50 mA	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG41	**Dual** PNP-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	100	100	5	50 mA	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG42	**Dual** NPN-Si, Hi Gain, Lo Noise, Differential Amp, Common Emitter	50	50	5	.100	.200/unit .400 total ($T_A = 25°C$)	150	400 min	SIP-5	T20-1
ECG43	**Dual** PNP-Si, Hi Gain, Lo Noise Differential Amp, Common Emitter	50	50	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG44	**Dual** NPN-Si, Hi Gain, Lo Noise, Bias Amp (Common Base)	100	100	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG45	**Dual** PNP-Si, Hi Gain, Lo Noise, Bias Amp (Common Base)	100	100	5	.100	.200/unit .400 total ($T_A = 25°C$)	100	400 min	SIP-5	T20-1
ECG46	NPN-Si, Darlington Preamp, Driver, Gen Purp Amp	100	100	12	.500	.625 ($T_A = 25°C$)	200	10000 min	TO-92	T16
ECG47	NPN-Si, Hi Gain, Lo Noise Amp	45	45	6	.200	.350	140	500 min	TO-92	T16
ECG48	NPN-Si, Darlington Hi Current Gen Purp Amp, Switch	60	50 (CES)	12	1	1 ($T_A = 25°C$)	100 min	25000	TO-92M	T18
ECG49	NPN-Si, Gen Purp AF Pwr Out, Driver (Compl to ECG50)	125	100	4	2	10	150	100 typ	TO-202	T38
ECG50	PNP-Si, Gen Purp AF Pwr Amp, Driver (Compl to ECG49)	125	100	4	2	10	150	100 typ	TO-202	T38
ECG51	NPN-Si, HV, Hi Speed Switch, $t_f = .7$ μsec typ	700	400	9	4	75	4 min	25 typ	TO-220	T41
ECG52	NPN-Si, HV, Hi Speed Switch, $t_f = .2$ μsec typ	750	450	6	5	125	---	10 typ	TO-3	T28
ECG53	NPN-Si, HV, Hi Speed Switch, $t_f = .7$ μsec typ	850	400	9	15	175	6 min	12 typ	TO-3	T28
ECG54 **ECG54MP***	NPN-Si, AF Power Amp (Compl to ECG55)	150	150	5	8	50	70	100 typ	TO-220	T41
ECG55 **ECG55MCP**	PNP-Si, AF Power Amp (Compl to ECG54) Matched Compl Pair-Contains one each of ECG54 (NPN) and ECG55 (PNP)	150	150	5	8	50	85	100 typ	TO-220	T41
ECG56	NPN-Si, Hi Gain, Non-Darlington Amp, Switch, Pass Reg.	100	80	6	3	30	15	500 min	TO-220	T41

DISCONTINUED

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG58	NPN-Si, Hi Power Audio Output (Compl to ECG59)	200	200	6	17	200	20	20 min	TB-35	T44-1
ECG59	PNP-Si, Hi Power Audio Output (Compl to ECG58)	200	200	6	17	200	20	20 min	TB-35	T44-1
ECG60 **ECG60MP***	NPN-Si, Power Amp, AF PO, Gen Purp (Compl to ECG61)	140	140	5	20	250	2	30 typ	TO-3	T28
ECG61 **ECG61MP*** **ECG61MCP**	PNP-Si, Power Amp, AF PO, Gen Purp (Compl to ECG60) Matched Compl Pair-Contains one each of ECG60 (NPN) and ECG61 (PNP)	140	140	5	20	250	2	30 typ	TO-3	T28
ECG63	NPN-Si, UHF/Microwave Amp/Mixer G_{PE} 7.5 dB @ 2 GHz NF 4 dB @ 2 GHz	20	12	3	40 mA	400 mW	5 GHz typ	40	RF-19A	T49-3
ECG64	NPN-Si, UHF/Microwave Amp/Hi Speed Sw G_{PE} 10 dB @ 1 GHz NF 2 dB typ @ 1 GHz	25	15	3	30 mA	350 mW	4.5 GHz typ	60	RF-19A	T49-3
ECG65	NPN-Si, UHF/Microwave Amp, CATV, MATV	20	15	2	25 mA	180 mW	5 GHz typ	30 typ	RF-19	T49-2
ECG66	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG67	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG68 **ECG68MCP**	PNP-Si, Gen Purp Hi Pwr Amp (Compl to ECG388) Matched Compl Pair-Contains one each of ECG388 (NPN) and ECG68 (PNP)	400	250	5	16	250	4 min	30 typ	TO-3	T28
ECG69	NPN-Si, UHF/VHF Amp, Osc, Mixer	35	35	4	50 mA	.25 ($T_A = 25°C$)	800 min	70 typ	TO-92	T16
ECG70	NPN-Si, HV Pwr Amp, Switch	180	150	6	50	250	30 min	30 min	TO-63	T35
ECG71	NPN-Si, Hi Current Amp, Fast Switch	150	90	7	20	200	20	20 min	TO-63	T35
ECG72	NPN-Si, Hi Current Amp, Fast Switch	120	100	6	10	115	30	30 min	TO-61 (Isolated)	T33
ECG74	NPN-Si, Gen Purp Amp, Sw	100	100	6	7	60	30	60 min	TO-59	T32
ECG75	NPN-Si, Hi Pwr Amp, Sw	100	80	8	5	50	50 min	40 min	TO-111	T30
ECG76 **ECG76MP***	NPN-Si, CATV Broadband Amp	50	30	5	.4	5	1800	30 min	TO-117	T50
ECG77	NPN-Si, CATV Broadband Amp	50	30	5	.4	3.5	1800	30 min	TO-39	T6
ECG78	NPN-Si, RF PO, CB, 27 MHz, 3 W	36	18	4	.6	5	---	5 min	TO-202M	T39
ECG79	NPN-Si, RF PO, CB, 27 MHz	36	18	4	2	10	---	5 min	TO-202M	T39
ECG81	**Dual** NPN-Si, Switch, DC to VHF Amp	75	40	6	.6	2 total ($T_C = 25°C$) .6 total ($T_A = 25°C$)	250 min	100 min	TO-78	T12
ECG82	**Dual** PNP-Si, Switch, DC to VHF	60	60	5	.6	2 total ($T_C = 25°C$) .6 total ($T_A = 25°C$)	200 min	100 min	TO-78	T12

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG85	NPN-Si, Sw, Gen Purp Amp	70	70 (CES)	4	.4	.6 ($T_A = 25°C$)	200 min	120 min	TO-92	T16
ECG86	NPN-Si, Hi Gain DC Regulator, Amp	200	150	6	5	50	15	400 min	TO-3	T28
ECG87 **ECG87MP***	NPN-Si, Hi Pwr Linear Amp (Compl to ECG88)	250	250 (CEX)	5	10	200	3	20 min	TO-3	T28
ECG88 **ECG88MP*** **ECG88MCP**	PNP-Si, Hi Pwr Linear Amp (Compl to ECG87) Matched Compl Pair-Contains one each ECG87 (NPN) and ECG88 (PNP)	250	250 (CEX)	5	10	200	3	20 min	TO-3	T28
ECG89	NPN-Si, Horiz Output with Damper Diode - Page 1-78	1500	600	6	7	50	---	5 min	TO-3	T28
ECG90	NPN-Si, Hi Gain, Gen Purp Amp (Compl to ECG91)	120	120	5	50 mA	.75 ($T_A = 25°C$)	350	400 min	TO-92M	T18
ECG91	PNP-Si, Hi Gain, Gen Purp Amp (Compl to ECG90)	120	120	5	50 mA	.75 ($T_A = 25°C$)	150	400 min	TO-92M	T18
ECG92	NPN-Si, Audio Pwr Amp, Hi Speed Sw (Compl to ECG93)	200	200	6	15	150	20	120 typ	TB-35	T44-1
ECG93 **ECG93MCP**	PNP-Si, Audio Pwr Amp, Hi Speed Sw (Compl to ECG92) Matched Compl Pair-Contains one each ECG92 (NPN) and ECG93 (PNP)	200	200	6	15	150	20	120 typ	TB-35	T44-1
ECG94	NPN-Si, Gen Purp Pwr DC Regulator	300	300	5	5	100	2.5 min	30 min	TO-3	T28
ECG95	NPN-Si, HV Amp, Sw, Isolated Stud	250	250	6	3	70	40	90 min	TO-59 (Isolated)	T31
ECG96	NPN-Si, Medium Pwr Amp, Sw, Isolated Stud	100	100	6	7	60	30 min	60 min	TO-59 (Isolated)	T31
ECG97	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = .5$ μsec	500	400	8	10	150	---	40 min	TO-3	T28
ECG98	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = .6$ μsec	700	500	8	20	175	---	40 min	TO-3	T28
ECG99	NPN-Si, HV Darlington Pwr Amp, Fast Sw, $t_f = 1$ μsec	600	400	8	50	250	---	25 min	TO-3	T28
ECG100	PNP-Ge, RF/IF Amp, Osc, Mix	25	20 (CER)	20	.3	.150 ($T_A = 25°C$)	5 #	40 typ at 455 KHz	TO-5	T5
ECG101	NPN-Ge, RF/IF Amp, Osc, Mix	25	20 (CER)	20	.3	.150 ($T_A = 25°C$)	5 #	40 typ at 455 KHz	TO-5	T5
ECG102	PNP-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG103)	30	16 (CER)	20	.3	.150 $T_A = 25°C$)	2	90 typ	TO-5	T5
ECG102A	PNP-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG103A)	32	32 (CES)	12	.5	.900 ($T_A = 25°C$)	2.3	120 typ	TO-1	T1
ECG103	NPN-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG102)	30	16 (CER)	20	.250	.150 ($T_A = 25°C$)	2 #	90 typ at 1 KHz	TO-5	T5
ECG103A	NPN-Ge, AF Driver, Preamp, Pwr Output (Compl to ECG102A)	32	32 (CES)	10	.5	.340 ($T_A = 25°C$)	2.5	105 typ	TO-1	T1
ECG104 **ECG104MP***	PNP-Ge, AF Pwr Output	50	35 (CER)	20	7	90	10 KHz #	90 typ	TO-3	T28
ECG105	PNP-Ge, AF Pwr Output	50	35 (CER)	20	15	100	10 KHz #	90 typ	TO-36	T29
ECG106	PNP-Si, RF/IF Amp, Osc, Mix	35	15	1	75 mA	.250 ($T_A = 25°C$)	500	20 min	TO-18	T2

Notes: * MP - Matched pair

Frequency at which common emitter current is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG107	NPN-Si, UHF/VHF Amp, Osc, Mix, IF Amp	35	35	5	50 mA	.250 ($T_A = 25°C$)	800 min	70 typ	TO-92	T16
ECG108	NPN-Si, RF/IF/Video Amp, Osc, Mix, VHF/UHF	30	15	2	50 mA	.600 ($T_A = 25°C$)	800 min	20 min	TO-92	T16
ECG121 **ECG121MP***	PNP-Ge, AF Pwr Output	65	45 (CER)	15	7.0	30	22 KHz #	80 typ	TO-3	T28
ECG123	NPN-Si, AF Preamp, Driver Video Amp, Sync Sep	60	30	5	.8	.800 ($T_A = 25°C$)	250	150 typ	TO-39	T6
ECG123A	NPN-Si, AF/RF Amp, Sw	75	40	6	.8	.500 ($T_A = 25°C$)	300	200 typ	TO-18	T2
ECG123AP	NPN-Si, AF/RF Amp, Driver (Compl to ECG159)	75	40	6	.6	.500 ($T_A = 25°C$)	300	200 typ	TO-92	T16
ECG124	NPN-Si, HV Audio Pwr Output	300	300	5	.150	20	30	100 typ	TO-66	T25
ECG126A	PNP-Ge, RF/IF Amp, Osc, Mix	15	15	3	50 mA	300 mW ($T_A = 25°C$)	250	40 typ	TO-18	T2
ECG127	PNP-Ge, Horiz & Vert Defl, Pwr Output	320	320 (CES)	2	10	40	1	15 min	TO-3	T28
ECG128	NPN-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG129)	120	80	7	1	1 ($T_A = 25°C$)	120	90 min	TO-39	T6
ECG128P	NPN-Si, Gen Purp Amp, Sw (Compl to ECG129P)	100	80	7	1	1	100	100 min	TO-237	T17
ECG129 **ECG129MCP**	PNP-Si, AF Preamp, Driver, Output, Video Amp (Compl to ECG128) Matched Compl Pair-Contains one each ECG128 (NPN) and ECG129 (PNP)	90	80	7	1	1 ($T_A = 25°C$)	120	90 min	TO-39	T6
ECG129P	PNP-Si, Gen Purp Amp, Sw (Compl to ECG128P)	80	80	7	1	1	150	100 min	TO-237	T17
ECG130 **ECG130MP***	NPN-Si, AF Pwr Amp (Compl to ECG219)	100	60	7	15	115	.800	40 typ	TO-3	T28
ECG131 **ECG131MP***	PNP-Ge, AF Pwr Output (Compl to ECG155)	32	20	10	3 peak	6 ($T_C = 63°C$)	1	110 typ	TC-9	T27
ECG152 **ECG152MP***	NPN-Si, AF Pwr Output (Compl to ECG153)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG153 **ECG153MCP**	PNP-Si, AF Pwr Output (Compl to ECG152) Matched Compl Pair-Contains one each ECG152 (NPN) and ECG153 (PNP)	60	60	5	7	50	10	60 typ	TO-220	T41
ECG154	NPN-Si, Video Output Amp	300	300	7	.5	1.0 ($T_A = 25°C$) 7.0 ($T_C = 25°C$)	40	60 typ	TO-39	T6
ECG155	NPN-Ge, AF Pwr Amp (Compl to ECG131)	32	20	10	3 peak	7.5	1	110 typ	TC-9	T27
ECG157	NPN-Si, HV AF Pwr Amp (Compl to ECG39)	300	300	3	.5	20.8	10	30 min	TO-126	T45
ECG158	PNP-Ge, AF Pwr Amp	32	32	10	1	1.6	1.5	90 typ	TO-1	T1
ECG159 **ECG159MCP**	PNP-Si, AF Premp, Driver, Sw (Compl to ECG123AP) Matched Compl Pair-Contains one each ECG123AP (NPN) and ECG159 (PNP)	80	80	5	1	.600 ($T_A = 25°C$)	200	180 typ	TO-92	T16
ECG160	PNP-Ge, RF/IF Amp, Osc, Mix	30	20 (CES)	.5	10 mA	.200 ($T_A = 25°C$)	400	20 typ	TO-72	T4
ECG161	NPN-Si, Video IF Amp	45	45 (CES)	4.5	50 mA	.180 ($T_A = 25°C$)	800	60 typ	TO-72	T4

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG162	NPN-Si, Vert Defl	500	300	5	3 cont. 10 peak	100	---	20 min	TO-3	T28
ECG163A	NPN-Si, Horiz Defl	700	700 (CEV)	5	10 peak	100	---	10	TO-3	T28
ECG164	NPN-Si, Vert Defl	1500	700 (CER)	5	1	50	.5 min	20	TO-3	T28
ECG165	NPN-Si, Horiz Defl	1500	1400 (CES)	5	5	50	---	5	TO-3	T28
ECG171	NPN-Si, AF/Video Amp (Compl to ECG296)	300	300	5	.5	10	75	40 min	TO-202	T38
ECG172A	NPN-Si, Darlington AF Preamp, Medium-Speed Sw	40	40	12	.3	.400 ($T_A = 25°C$)	60	7000 min	TO-92	T16•
ECG175	NPN-Si, AF Pwr Amp	500	300	6	3	40	10	50 typ	TO-66	T25
ECG176	PNP-Ge, AF Pwr Amp	25	25	6	2	6	.700	110 typ	TO-39	T6
ECG179 **ECG179MP***	PNP-Ge, AF Pwr Amp	90	90	2	25	106	.35 min	55 typ	TO-3	T28
ECG180 **ECG180MCP**	PNP-Si, AF Amp (Compl to ECG181) Matched Compl Pair-Contains one each ECG181 (NPN) and ECG180 (PNP)	100	100 (CER)	4	30	200	2 min	25 min	TO-3	T28
ECG181 **ECG181MP***	NPN-Si, AF Amp (Compl to ECG180)	100	100 (CER)	4	30	200	2 min	25 min	TO-3	T28
ECG182	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG183)	100	80	4	10	90	2	30 min	TO-127	T46
ECG183	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG182)	100	80	4	10	90	2	30 min	TO-127	T46
ECG184 **ECG184MP***	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG185)	80	80	5	4	40	2	30 min	TO-126	T45
ECG185 **ECG185MCP**	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG184) Matched Compl Pair-Contains one each ECG184 (NPN) and ECG185 (PNP)	80	80	5	4	40	2	30 min	TO-126	T45
ECG186	NPN-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG187)	70	60	5	3	12.5	50	80 typ	TO-202	T38
ECG186A	NPN-Si, AF Pwr Amp, Driver (Compl to ECG187A)	50	50	5	3	10	150	80 min	TO-202M	T39
ECG187	PNP-Si, AF Pwr Amp, Hi Speed Sw (Compl to ECG186)	70	60	5	3	12.5	50	80 typ	TO-202	T38
ECG187A	PNP-Si, AF Pwr Amp (Compl to ECG186A)	50	50	5	3	10	150	80 min	TO-202M	T39
ECG188	NPN-Si, AF Driver, Pwr Amp (Compl to ECG189)	80	80	4	2	10	50	80 typ	TO-202N	T36
ECG189	PNP-Si, AF Driver, Pwr Amp (Compl to ECG188)	80	80	4	2	10	50	80 typ	TO-202N	T36
ECG190	NPN-Si, AF Pwr Amp, Horiz Driver	180	180	5	1	10	100	40 min	TO-202N	T36
ECG191	NPN-Si, HV AF Amp, HV Video Amp (Compl to ECG240)	300	300	6	.5	10	60	40 min	TO-202N	T36
ECG192	NPN-Si, AF Pwr Output (Compl to ECG193)	70	70 (CES)	5	1	.700 ($T_A = 25°C$) 1 ($T_C = 25°C$)	120 min	150 typ	TO-92HS	T21
ECG192A	NPN-Si, AF PO (Compl to ECG193A)	70	70 (CES)	5	.5	.6 ($T_A = 25°C$)	120	120 min	T-16HS	T22•
ECG193	PNP-Si, AF Pwr Output (Compl to ECG192)	70	70 (CES)	5	1	.700 ($T_A = 25°C$) 1 ($T_C = 25°C$)	120 min	150 typ	TO-92HS	T21

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Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG193A	PNP-Si, AF PO (Compl to ECG192A)	70	70 (CES)	5	.5	.6 ($T_A = 25°C$)	120	120 min	T-16HS	T22•
ECG194	NPN-Si, Gen Purp HV Amp, Hi Speed Sw	180	160	4	.6	.350 ($T_A = 25°C$)	100	100 typ	TO-92	T16
ECG195A	NPN-Si, RF Pwr Amp/Driver (P_O 3.5 W min, 50 MHz, 12 V)	70	70 (CER)	4	1.5	8	150	30 min	TO-39	T6
ECG196	NPN-Si, AF Pwr Output (Compl to ECG197)	90	80 (CER)	5	7	50 ($T_C = 25°C$) 1.8 ($T_A = 25°C$)	.800 min	20 min	TO-220	T41
ECG197	PNP-Si, AF Pwr Output (Compl to ECG196)	90	80 (CER)	5	7	50 ($T_C = 25°C$) 1.8 ($T_A = 25°C$)	.800 min	20 min	TO-220	T41
ECG198	NPN-Si, HV AF, Sw	500	500 (CES)	5	1	40 ($T_C = 25°C$) 2 ($T_A = 25°C$)	20	80 typ	TO-220	T41
ECG199	NPN-Si, Lo Noise Hi Gain Preamp	70	50	5	.1	.360 ($T_A = 25°C$)	90 min	400	TO-92	T16•
ECG210	NPN-Si, AF Output, Sw (Compl to ECG211)	90	75	5	1	6.25 ($T_C = 25°C$) 1.33 ($T_A = 50°C$)	200	120 min	TO-202	T38
ECG211	PNP, Si, AF Output, Sw (Compl to ECG210)	90	75	5	1	6.25 ($T_C = 25°C$) 1.33 ($T_A = 25°C$)	200	120 min	TO-202	T38
ECG213	PNP-Ge, Hi Current/Power	75	65	40	30	170	.270	80 typ	TO-36	T29
ECG214	NPN-Si, Darlington Dr, Sw, Series Pass, $t_f = 1.8$ μsec typ	70	60	6	10	60	---	2000 min	TO-3PJ	T48-1
ECG215	NPN-Si, Darlington Dr, Sw, Series Pass, $t_f = 1.6$ μsec typ	110	100	6	8	60	---	1500 min	TO-3PJ	T48-1
ECG216	NPN-Si, Hi Speed Sw, Core Driver, $t_d = 5$ ns, $t_r = 15$ ns, $t_s = 35$ ns, $t_f = 20$ ns typ	80	50	6	1.5	1	300	60 min	TO-237	T17
ECG217	PNP-Si, Hi Speed Sw, Amp, $t_d = 10$ ns, $t_r = 30$ ns, $t_s = 60$ ns, $t_f = 30$ ns max	40	40	5	1	1	175	40 min	TO-237	T17
ECG218	PNP-Si, AF Pwr Output	90	80	7	3	25	3 min	20 min	TO-66	T25
ECG219 **ECG219MCP**	PNP-Si, AF Output, Sw (Compl to ECG130 Matched Compl Pair-Contains one each ECG130 (NPN) and ECG219 (PNP)	100	70 (CER)	7	15	150	4 min	20 min	TO-3	T28
ECG220 thru ECG222	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG224	NPN-Si, Final RF Pwr Output (P_O 4 W, 50 MHz)	60	60 (CEV)	2.5	2	10	200	60 typ	TO-39F	T23
ECG225	NPN-Si, AF Video & Sw	450	350	7	1	10	15	40 min	TO-39F	T23
ECG226 **ECG226MP***	PNP-Ge, AF Pwr Output	35	35 (CER)	6	2	12	.450	125 typ	TC-9A	T26
ECG227	NPN-Si, HV Amp, Video Output	300	300	7	.1	1	50	40 min	TO-237	T17
ECG228A	NPN-Si, Hi Speed Sw, Linear Amp, AF/Video Output	450	350	7	1	10 ($T_C = 25°C$) 1.75 ($T_A = 25°C$)	15	40 typ	TO-202M	T39

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Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG229	NPN-Si, VHF Osc, Mix, IF Amp	40	40	4	50 mA	.425 ($T_A = 25°C$)	600	30 min	TO-92	T16
ECG232	PNP-Si, Darlington Amp	30	30	8	.3	.625 ($T_A = 25°C$)	175	50,000 typ	TO-92	T16
ECG233	NPN-Si, Final Video IF	30	30	3	.1	.625 ($T_A = 25°C$)	300	45 typ	TO-92	T16
ECG234	PNP-Si, Lo Noise, Hi Gain AF Preamp	60	50	5	50 mA	.200 ($T_A = 25°C$)	80 min	400	TO-92	T16
ECG235	NPN-Si, Final RF Pwr Output (P_O 5 W, 50 MHz)	65	65 (CER)	4	3 pulse	12	200 min	40 min	TO-220	T41
ECG236	NPN-Si, Final RF Pwr Output (P_O 13 W, 50 MHz, SSB)	70	70 (CER)	4	8 pulse	25	100	20 min	TO-220	T41
ECG237	NPN-Si, Final RF Pwr Output (P_O 3 W, 27 MHz)	80	40	5	3	10	150 min	10 min	TO-39HS	T24
ECG238	NPN-Si, Horizontal Output	1500	1500 (CER)	5	7	50	---	5	TO-3	T28
ECG240	PNP-Si, HV AF Amp, Video Output (Compl to ECG191)	300	300	5	.5	10 ($T_C = 25°C$) 1 ($T_A = 25°C$)	60 min	40 typ	TO-202N	T36
ECG241	NPN-Si, AF Pwr, Sw (Compl to ECG242)	80	80	5	4	60	2	25 min	TO-220	T41•
ECG242	PNP-Si, AF Pwr, Sw (Compl to ECG241)	80	80	5	4	60	2	25 min	TO-220	T41•
ECG243	NPN-Si, Darlington Pwr Amp (Compl to ECG244)	80	80	5	8	100	---	3000 typ	TO-3	T28
ECG244	PNP-Si, Darlington Pwr Amp (Compl to ECG243)	80	80	5	8	100	---	3000 typ	TO-3	T28
ECG245	NPN-Si, Darlington Pwr Amp (Compl to ECG246)	80	80	5	10	150	---	4000 typ	TO-3	T28
ECG246	PNP-Si, Darlington Pwr Amp (Compl to ECG245)	80	80	5	10	150	---	4000 typ	TO-3	T28
ECG247	NPN-Si, Darlington Pwr Amp (Compl to ECG248)	100	100	5	12	150	---	3500 typ	TO-3	T28
ECG248	PNP-Si, Darlington Pwr Amp (Compl to ECG247)	100	100	5	12	150	---	3500 typ	TO-3	T28
ECG249	NPN-Si, Darlington Pwr Amp (Compl to ECG250)	100	100	5	16	150	---	3500 typ	TO-3	T28
ECG250	PNP-Si, Darlington Pwr Amp (Compl to ECG249)	100	100	5	16	150	---	3500 typ	TO-3	T28
ECG251	NPN-Si, Darlington Pwr Amp (Compl to ECG252)	100	100	5	20	160	---	2400 typ	TO-3	T28
ECG252	PNP-Si, Darlington Pwr Amp (Compl to ECG251)	100	100	5	20	160	---	2400 typ	TO-3	T28
ECG253	NPN-Si, Darlington Pwr Amp (Compl to ECG254)	80	80	5	4	40	---	2000 typ	TO-126	T45
ECG254	PNP-Si, Darlington Pwr Amp (Compl to ECG253)	80	80	5	4	40	---	2000 typ	TO-126	T45
ECG255	NPN-Si, Horiz Driver, Amp,Sw	325	300	6	1	1	30 min	30 min	TO-237	T17
ECG256	NPN-Si, Darlington w/Damper Diode, Hi Speed Sw, Hi Current, $t_f = 150$ nsec	450	400	8	20	150	---	30 min	TO-3P (TO-218)	T48
ECG257	NPN-Si, Darlington Pwr Amp (Compl to ECG258)	80	80	5	5	70	---	750 min	TO-127	T46
ECG258	PNP-Si, Darlington Pwr Amp (Compl to ECG257)	80	80	5	5	70	---	750 min	TO-127	T46
ECG259	NPN-Si, Darlington Pwr Amp (Compl to ECG260)	100	100	5	8	75	---	2500 typ	TO-127	T46

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG260	PNP-Si, Darlington Pwr Amp (Compl to ECG259)	100	100	5	8	75	---	2500 typ	TO-127	T46
ECG261	NPN-Si, Darlington Pwr Amp (Compl to ECG262)	100	100	5	8	65	---	1000 min	TO-220	T41
ECG262	PNP-Si, Darlington Pwr Amp (Compl to ECG261)	100	100	5	8	65	---	1000 min	TO-220	T41
ECG263	NPN-Si, Darlington Pwr Amp (Compl to ECG264)	100	100	5	10	65	---	1000 min	TO-220	T41
ECG264	PNP-Si, Darlington Pwr Amp (Compl to ECG263)	100	100	5	10	65	---	1000 min	TO-220	T41
ECG265	NPN-Si, Darlington Pwr Amp, Switch	50	50	13	.5	6.25	---	10000 min	TO-202	T38
ECG266	NPN-Si, Darlington Pwr Amp, Switch	50	50	13	.5	6.25	---	40000 min	TO-202	T38
ECG267	NPN-Si, Darlington Pwr Amp, Switch	30	30	13	.5	6.25	---	90000 min	TO-202	T38
ECG268	NPN-Si, Darlington Pwr Amp (Compl to ECG269)	50	50	13	2	10	---	1000 min	TO-202	T38
ECG269	PNP-Si, Darlington Pwr Amp (Compl to ECG268)	50	50	13	2	10	---	1000 min	TO-202	T38
ECG270	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG271)	100	100	5	10	125	---	1000 min	TO-3P (TO-218)	T48
ECG271	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG270)	100	100	5	10	125	---	1000 min	TO-3P (TO-218)	T48
ECG272	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG273)	50	40	12	2	10	---	25000 min	TO-202N	T36
ECG273	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG272)	50	40	12	2	10	---	25000 min	TO-202N	T36
ECG274	NPN-Si, Darlington Pwr Amp, Switch (Compl to ECG275)	80	80	5	4	50	---	3000 typ	TO-66	T25
ECG275	PNP-Si, Darlington Pwr Amp, Switch (Compl to ECG274)	80	80	5	4	50	---	3000 typ	TO-66	T25
ECG278	NPN-Si, Broad Band RF Amp	40	30	4	.4	3.5	1200 min	30 min	TO-39	T6
ECG280 **ECG280MP***	NPN-Si, AF Pwr Amp (Compl to ECG281)	140	140	5	12	100	6	70 min	TO-3	T28
ECG281 **ECG281MCP**	PNP-Si, AF Pwr Amp (Compl to ECG280) Matched Compl Pair-Contains one each ECG280 (NPN) and ECG281 (PNP)	140	140	5	12	100	6	70 min	TO-3	T28
ECG283	NPN-Si, HV-Hi Current Sw, Horiz Output	800	325	8	10	100	6	15 min	TO-3	T28
ECG284 **ECG284MP***	NPN-Si, AF Pwr Amp (Compl to ECG285)	180	180	5	16	150	6	70 min	TO-3	T28
ECG285 **ECG285MCP**	PNP-Si, AF Pwr Amp (Compl to ECG284) Matched Compl Pair-Contains one each ECG284 (NPN) and ECG285 (PNP)	180	180	5	16	150	6	70 min	TO-3	T28
ECG286	NPN-Si, Pwr Amp, Sw, Horiz Output	300	250	6	2	25	8	100 min	TO-66	T25
ECG287	NPN-Si, HV Gen Purp Amp (Compl to ECG288)	300	300	6	.5	.625 ($T_A = 25°C$)	50	40 min	TO-92	T16
ECG288	PNP-Si, HV Gen Purp Amp (Compl to ECG287)	300	300	5	.5	.625 ($T_A = 25°C$)	50	40 min	TO-92	T16
ECG289A **ECG289AMP***	NPN-Si, AF Pwr Amp (Compl to ECG290A)	100	80	5	.5	.500 ($T_A = 25°C$)	120	100 min	TO-92	T16

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG290A **ECG290AMCP**	PNP-Si, AF Pwr Amp (Compl to ECG289A) Matched Compl Pair-Contains one each ECG289A (NPN) and ECG290A (PNP)	100	80	5	.5	.500 ($T_A = 25°C$)	120	100 min	TO-92	T16
ECG291	NPN-Si, Pwr Amp, Sw (Compl to ECG292)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG292 **ECG292MCP**	PNP-Si, Pwr Amp, Sw (Compl to ECG291) Matched Compl Pair-Contains one each ECG291 (NPN) and ECG292 (PNP)	130	120	5	4	40	4 min	75 typ	TO-220	T41
ECG293 **ECG293MP***	NPN-Si, AF Pwr Amp (Compl to ECG294)	60	50	5	1	1 (Heat Sink) .75 ($T_A = 25°C$)	200	120 min	T-16	T20
ECG294	PNP-Si, AF Pwr Amp (Compl to ECG293)	60	50	5	1	1 (Heat Sink) .75 ($T_A = 25°C$)	200	120 min	T-16	T20
ECG295	NPN-Si, RF Output/Driver	75	40	5	1	5	150 min	20 min	TO-126	T45
ECG297 **ECG297MP***	NPN-Si, AF Driver, Pwr Amp (Compl to ECG298)	80	80	5	1 peak	.75 ($T_A = 25°C$)	120	130 min	T-16	T20
ECG298	PNP-Si, AF Driver/Pwr Amp (Compl to ECG297)	80	80	5	1 peak	.75 ($T_A = 25°C$)	120	130 min	T-16	T20
ECG300 **ECG300MP***	NPN-Si, AF Pwr Output (Compl to ECG307)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG302	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG304A	Transistor Kit See Page 1-54	---	---	---	---	---	---	---	---	---
ECG306	NPN-Si, RF Driver/Pwr Amp	100	50	6	1.5 peak	8	80	200 min	TO-202J	T37
ECG307	PNP-Si, AF Pwr Output (Compl to ECG300)	50	40	5	1.5	7	70	90 min	TO-202	T38
ECG311	NPN-Si, VHF/UHF Osc, Amp, Driver	55	30	3.5	.4	5	800 min	25 min	TO-39	T6
ECG312	See FET Selector Guide Page 1-57	--	---	---	---	---	---	---	---	---
ECG313	NPN-Si, VHF Tuner, RF Amp	30	30	4	20 mA	.15 ($T_A = 25°C$)	400 min	25 min	RF-15	T49
ECG315	NPN-Si, RF Driver	100	50	6	1	.75 ($T_A = 25°C$)	80	200 typ	SC-51	T19
ECG316	NPN-Si, Lo Noise UHF Amp (NF 4.5 dB max, 450 MHz)	30	15	3.5	50 mA	.200 ($T_A = 25°C$)	1400	25 min	TO-72	T4
ECG317	NPN-Si, RF Pwr Output (P_O 70 W, 30 MHz)	36	36 (CES)	4	15	220	---	10 min	RF-50F	T58
ECG318	NPN-Si, RF Pwr Output (P_O 50 W, 30 MHz)	36	36 (CES)	4	6	80	---	5 min	RF-50F	T58
ECG319P	NPN-Si, AGC Controlled IF Amp (Includes Metal Shield)	40	30	4	50 mA	.5 ($T_A = 25°C$)	300 min	35 typ	TO-92	T16
ECG320	NPN-Si, RF Pwr Output (P_O 40 W, 175 MHz)	36	36 (CES)	4	6	80	200 min	5 min	RF-50SS	T55
ECG320F	NPN-Si, RF Pwr Out (P_O 40 W, 175 MHz)	36	18	4	6	80	200 min	5 min	RF-38F	T57
ECG321	NPN-Si, Horiz Defl	1600	700	5	1.5	15 ($T_C = 25°C$)	---	1.5 min	TO-66	T25
ECG323	PNP-Si, AF Pwr Amp (Compl to ECG324)	120	100	5	2	1 ($T_A = 25°C$)	30	50 min	TO-39	T6

DISCONTINUED

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG324	NPN-Si, AF Pwr Amp (Compl to ECG323)	120	100	5	2	1 ($T_A = 25°C$)	50	50 min	TO-39	T6
ECG325	NPN-Si, RF PO, 14-30 MHz, 50 W	40	20	4	7.5	115	---	---	RF-38S	T53
ECG326	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG327	NPN-Si, Pwr Amp, Sw, $t_f = 250$ nsec	180	150	6	25	200	40	30 min 120 max	TO-3	T28
ECG328	NPN-Si, Pwr Amp, Sw	150	130	7	15	140	60	12 min 100 max	TO-3	T28
ECG329	NPN-Si, RF Pwr Amp (P_O 3.5 W min, 27 MHz)	60	30	2.5	1.5 peak	5	---	---	TO-39	T6
ECG330, W	PNP-Ge, Fast Pwr Sw	---	40	1.4	25	170	---	12 typ	TO-36	T29
ECG331 **ECG331MP***	NPN-Si, AF PO, Reg, Sw (Compl to ECG332)	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG332 **ECG332MCP**	PNP-Si, AF PO, Reg, Sw (Compl to ECG331) Matched Compl Pair-Contains one each ECG331 (NPN) and ECG332 (PNP)	100	100	5	15	90	3 min	40 typ	TO-220	T41
ECG333	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38F	T57
ECG334	NPN-Si, RF PO, 14-30 MHz, 60 W	36 (CES)	18	4	15	175	---	10 min	RF-38S	T53
ECG335	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50F	T58
ECG336	NPN-Si, RF PO, 14-30 MHz, 80 W	45	25	4	20	250	---	10 min	RF-50S10	T54
ECG337	NPN-Si, RF Driver, 27-50 MHz, 8 W	36	18	4	2	20	---	5 min	RF-38S	T53
ECG338	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	48	24	4	3.5	50	---	15 typ	RF-38S	T53
ECG338F	NPN-Si, RF Driver & Output, 27-50 MHz, 20 W	36	18	4	4.5	80	---	10 min	RF-38F	T57
ECG339	NPN-Si, RF PO, 27-50 MHz, 40 W	48	24	4	7	100	---	3 min	RF-50S10	T54
ECG340	NPN-Si, RF PO, Driver, 136-174 MHz, 600 mW	36	18	4	.5	.750 ($T_A = 25°C$)	---	70 typ	T-16	T20
ECG341	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	.640	8	---	5 min	TO-39EC	T7•
ECG342	NPN-Si, RF PO, 136-174 MHz, 7 W	35	17	4	2	12.5	---	50 typ	TO-220EC	T42•
ECG343	NPN-Si, RF PO, 136-174 MHz, 14 W	35	17	4	3.5	25	---	50 typ	TO-220EC	T42•
ECG344	NPN-Si, RF PO, 136-174 MHz, 30 W	35	17	4	7	50	---	50 typ	RF-28F6	T59
ECG345	NPN-Si, RF PO, 136-174 MHz, 30 W	36	18	4	4	65	---	5 min	RF-38S	T53
ECG346	NPN-Si, RF Driver & Predriver, 136-174 MHz, 1 W	40	20	2	.4	1 ($T_A = 25°C$) 3.5 ($T_C = 25°C$)	500	10 min	TO-39	T6
ECG347	NPN-Si, RF PO, 136-174 MHz, 3 W	36	18	4	.6	15	---	5 min	RF-38SM	T51
ECG348	NPN-Si, RF PO, 136-174 MHz, 4 W	36	18	4	1	12	---	5 min	RF-38S	T53
ECG349	NPN-Si, RF PO, 136-174 MHz, 10 W	36	18	4	2	30	---	5 min	RF-38S	T53

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

• When alternate packages are shown it indicates a change is in progress. Although only one package is available both packages will be shown as long as the obsolete package may be encountered in the field.

Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG350	NPN-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	31	---	5 min	RF-38S	T53
ECG350F	NPN-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	31	---	5 min	RF-38F	T57
ECG351	NPN-Si, RF PO, 136-174 MHz, 25 W	36	18	4	4	65	---	5 min	RF-38S	T53
ECG352	NPN-Si, RF PO, 136-174 MHz, 80 W	36	18	4	20	250	---	35 typ	RF-50F6	T60
ECG353	PNP-Si, RF PO, 136-174 MHz, 4 W	36	18	4	1	8	---	5 min	RF-38F	T57
ECG354	PNP-Si, RF PO, 136-174 MHz, 15 W	36	18	4	2.5	20	---	5 min	RF-38F	T57
ECG355	PNP-Si, RF PO, 136-174 MHz, 30 W	36	18	4	4	40	---	5 min	RF-38F	T57
ECG356	PNP-Si, RF PO, 136-174 MHz, 40 W	36	18	4	6	60	---	5 min	RF-38F	T57
ECG357	NPN-Si, RF PO, 30-200 MHz, 7 W	65	35	4	1	15	---	5 min	RF-38SM	T51
ECG359	NPN-Si, RF PO, 30-200 MHz, 20 W	65	35	4	3	30	---	5 min	RF-38S	T53
ECG360	NPN-Si, RF PO, 30-200 MHz, 40 W	65	35	4	5	60	---	5 min	RF-38S	T53
ECG361	NPN-Si, RF PO, 407-512 MHz, 2 W	36	16	4	.4	5	---	20 min	TO-39EC	T7•
ECG362	NPN-Si, RF PO, 407-512 MHz, 2 W	36	16	4	.4	5	---	20 min	RF-28S	T52
ECG363	NPN-Si, RF PO, 407-512 MHz, 4 W	36	16	4	.8	15	---	20 min	RF-28S	T52
ECG364	NPN-Si, RF PO, 407-512 MHz, 10 W	36	16	4	2	37.5	---	20 min	RF-28S	T52
ECG365	NPN-Si, RF PO, 407-512 MHz, 15 W	36	16	4	3	50	---	30 min	RF-50F6	T60
ECG366	NPN-Si, RF PO, 407-512 MHz, 25 W	36	16	4	5	75	---	20 min	RF-50F6	T60
ECG367	NPN-Si, RF PO, 407-512 MHz, 45 W	36	16	4	8	175	---	20 min	RF-50F6	T60
ECG368	NPN-Si, RF PO, 407-512 MHz, 60 W	36	16	4	10	233	---	20 min	RF-50F6	T60
ECG369	NPN-Si, Vert Out, Sw, AF Amp	800	400	6	3.0 peak	40	7	30 min	TO-66	T25
ECG373	NPN-Si, AF Driver (Compl to ECG374)	180	160	5	1.5	1 ($T_A = 25°C$) 20 ($T_C = 25°C$)	140	100 typ	TO-126	T45
ECG374	PNP-Si, AF Driver (Compl to ECG373)	180	160	5	1.5	1 ($T_A = 25°C$) 20 ($T_C = 25°C$)	140	100 typ	TO-126	T45
ECG375	NPN-Si, Vert Defl, AF Amp (Compl to ECG398)	200	150	6	3	25	8	150 typ	TO-220	T41
ECG376	NPN-Si, Pwr Amp	300	300	5	.15	1.5 ($T_A = 25°C$) 15 ($T_C = 25°C$)	80	100 typ	TO-220	T41
ECG377	NPN-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG378)	80	80	5	10	50	50	60 min	TO-220	T41

DISCONTINUED

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG378	PNP-Si, Pwr Driver, PO, Sw, Reg (Compl to ECG377)	80	80	5	10	50	50	60 min	TO-220	T41
ECG379	NPN-Si, HV Hi Speed Pwr Sw	700	400	9	12	100	4 min	20 typ	TO-220	T41
ECG381	PNP-Si, AF Pwr Amp	150	120	5	5	80	9	60 typ	TB-33	T43
ECG382	NPN-Si, AF Driver (Compl to ECG383)	120	100	5	1	.9 ($T_A = 25°C$)	140	200 typ	TO-92M	T18
ECG383	PNP-Si, AF Driver (Compl to ECG382)	120	100	5	1	.9 ($T_A = 25°C$)	140	200 typ	TO-92M	T18
ECG384	NPN-Si, Sw, Linear Amp	375	350	9	7	45	1 min	20 typ	TO-66	T25
ECG385	NPN-Si, HV Hi Speed Sw	550	350	6	10	150	---	20 typ	TO-3	T28
ECG386	NPN-Si, HV Hi Speed Sw	800	500	6	20	175	---	30 typ	TO-3	T28
ECG387 **ECG387MP***	NPN-Si, Pwr Amp, Sw	180	150	6	50	250	30 min	70 Typ	TO-3	T28A
ECG388	NPN-Si, Hi Pwr AF Amp (Compl to ECG68)	400	250	5	16	250	4 min	30 typ	TO-3	T28
ECG389	NPN-Si, Horiz Output	1500	1500 (CES)	5	4	100	4 min	5 min	TO-3	T28
ECG390	NPN-Si, Pwr Amp, Hi Speed Sw (Compl to ECG391)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG391	PNP-Si, Pwr Amp, Hi Speed Sw (Compl to ECG390)	100	100	5	10	80	3	40 min	TO-3P (TO-218)	T48
ECG392	NPN-Si, Pwr Amp, Hi Speed Sw (Compl to ECG393)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG393	PNP-Si, Pwr Amp, Hi Speed Sw (Compl to ECG392)	100	100	5	25	125	3	25 min	TO-3P (TO-218)	T48
ECG394	NPN-Si, HV Pwr Amp, Sw	500	400	5	3	100	2.5	30 min	TO-3P (TO-218)	T48
ECG395	PNP-Si, Wide Band VHF/UHF Amp, Osc	30	25	3	50 mA	.360 ($T_A = 25°C$)	2.3 GHz	25 min	TO-72	T4
ECG396	NPN-Si, Linear Amp & Hi Speed Sw (Compl to ECG397)	450	350	7	1	10	15 min	60 typ	TO-39	T6
ECG397	PNP-Si, LInear Amp & Hi Speed Sw (Compl to ECG396)	350	300	6	1	10	15 min	50 typ	TO-39	T6
ECG398	PNP-Si, Vertical Defl, Audio Amp (Compl to ECG375)	200	150	5	2	25	5	100 typ	TO-220	T41
ECG399	NPN-Si, HV Video Output	300	300	6	.1	.9 ($T_A = 25°C$)	50 min	100 min	T-16	T20
ECG451 thru ECG469	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG470	NPN-Si, RF PO, 2-30 MHz, 100 W, 12.5 V	36	18	4	20	250	---	10 min	RF-50F	T58
ECG471	NPN-Si, RF PO, 2-30 MHz, 100 W, 28 V	65	36	4	15	250	---	10 min	RF-50F	T58
ECG472	NPN-Si, RF Driver, PO, 136-174 MHz, 1.8 W	36	16	4	.400	5	400 min	20 min	TO-39	T6
ECG473	NPN-Si, RF Driver, PO, 136-174 MHz, 2.2 W	36	18	4	1	7	---	10 min	TO-39	T6
ECG474	NPN-Si, RF PO, 88 MHz, 6 W, 174 MHz, 3 W	36	18	4	.600	9.5	---	5 min	TO-202EC	T40
ECG475	NPN-Si, RF PO, 136-174 MHz, 7 W	36	18	4	1.5	11.5	350	10 typ	TO-60	T56
ECG476	NPN-Si, RF PO, 136-174 MHz, 12 W	36	18	4	3	23	350	10 typ	TO-60	T56
ECG477	NPN-Si, RF PO, 136-174 MHz, 45 W	36	18	4	6	75	---	20 typ	RF-50F6	T60

DISCONTINUED

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG478	NPN-Si, RF PO, 136-174 MHz, 100 W	36	18	4	15	270	---	10 min	RF-50F6	T60
ECG479	NPN-Si, RF PO, 407-512 MHz, 1.8 W	36	14	3.5	.400	3.5	---	20 min	TO-39	T6
ECG480	NPN-Si, RF PO, 407-512 MHz, 40 W	36	16	4	8	145	---	20 min	RF-50F6	T60
ECG481	NPN-Si, RF PO, 806-870 MHz, 6 W	36	16	4	5	28	---	20 min	RF-38F6B	T61
ECG482	NPN-Si, RF PO, 806-870 MHz, 15 W	36	16	4	7	46	---	20 min	RF-23F6E	T63
ECG483	NPN-Si, RF PO, 806-870 MHz, 18 W	36	16	4	7	46	---	20 min	RF-38F6B	T61
ECG484	NPN-Si, RF PO, 806-870 MHz, 25 W	36	16	4	10	75	---	20 min	RF-38F6B	T61
ECG485	NPN-Si, RF PO, 806-870 MHz, 25 W	36	18	4	7.5	70	---	15 min	RF-23F6	T62
ECG486	NPN-Si, RF Multiplier Amp, 407-512 MHz, .75 W	35	20	4	.15	2.5	1800 min	20 min	TO-39	T6
ECG487	NPN-Si, RF Multiplier Amp, 136-174 MHz, 1 W	36	18	4	.400	5	400 min	20 min	TO-39A	T8
ECG488	NPN-Si, RF PO, Driver, 136-174 MHz, 4 W	36	18	4	.800	8	---	5 min	TO-39EG	T9
ECG489 ECG490	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG2300	NPN-Si, HV Horiz Output, Sw, $t_f = .7$ µsec typ	1500	700	6	8	125	7	5	TO-3P (TO-218)	T48
ECG2301	NPN-Si, HV Horiz Output, Sw, $t_f = .4$ µsec typ	1500	750	5	5	100	4	5	TO-3P (TO-218)	T48
ECG2302	NPN-Si, Horiz Output/Damper Diode, $t_f = .7$ µsec max	1500	800	7	5	120	3	8 min	TO-3PJ	T48-1
ECG2303	NPN-Si, Horiz Output, Sw, $t_f = .65$ µsec typ	1500	750	5	2.5	65	4	4	TO-220	T41
ECG2304	NPN-Si, Hi Speed Sw, Amp, $t_f = .1$ µsec typ (Compl to ECG2314)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1
ECG2305	NPN-Si, Pwr Amp, Sw, $t_f = 1.2$ µsec typ (Compl to ECG2306)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2306	PNP-Si, Pwr Amp, Sw, $t_f = 1.2$ µsec typ (Compl to ECG2305)	160	160	7	16	125	1 min	60 min	TO-3P (TO-218)	T48
ECG2307	NPN-Si, Hi Gain Amp, Series Pass	200	180	5	5	80	---	500 min	TO-3PJ	T48-1
ECG2308	NPN-Si, Hi Speed Sw, Series Pass, $t_f = 1$ µsec max	500	400	7	12	100	20	15 min	TO-3PJ	T48-1
ECG2309	NPN-Si, HV Hi Speed Sw, $t_f = .7$ µsec max	900	800	7	6	100	15	10 min	TO-3PJ	T48-1
ECG2310	NPN-Si, HV Hi Speed Sw, $t_f = .8$ µsec max	1000	450	9	8	125	---	10 min	TO-3P (TO-218)	T48
ECG2311	NPN-Si, HV Hi Speed Sw, Hi Current, $t_f = .3$ µsec typ	1000	450	7	15	150	---	10	TO-3P (TO-218)	T48
ECG2312	NPN-Si, HV Hi Speed Sw, $t_f = .7$ µsec typ	700	400	9	8	80	4 min	5 min	TO-220	T41
ECG2313	NPN-Si, HV Hi Speed Sw, $t_f = .4$ µsec typ	1000	450	5	2	40	20 typ	50 typ	TO-220	T41
ECG2314	PNP-Si, Hi Speed Sw, $t_f = .1$ µsec typ (Compl to ECG2304)	60	50	6	15	90	20	100 min	TO-3PJ	T48-1

Notes: * MP - Matched pair
Frequency at which common emitter current gain is 70.0% of low frequency gain
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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG2315	NPN-Si, Darlington w/Damper Diode, HV Hi Speed Sw, $t_f = .2$ μsec typ	400	200	6	8	60	---	100 min	TO-220	T41
ECG2316	NPN-Si, Darlington Driver w/ Damper Diode, HV Pwr Amp	500	450	5	10	105	---	100 min	TO-3P (TO-218)	T48
ECG2317	NPN-Si, Darlington Driver w/ Damper Diode, HV Hi Current Amp	500	450	5	15	105	---	40 min	TO-3P (TO-218)	T48
ECG2318	NPN-Si, HV, Horiz Output w/Damper Diode, $t_f = .7$ μsec typ	1500 (CES)	700	6	8	125	7	5 typ	TO-3P (TO-218)	T48
ECG2319	NPN-Si, HV, Hi Speed Sw, Hi Current, $t_f = .27$ μsec typ	850 (CES)	450	5	15	175	---	6 min	TO-3	T28
ECG2320	NPN/PNP-Si, Quad Discrete Compl Pair, Sw, $t_{on} = 30$ ns, $t_{off} = 225$ ns typ	60	30	5	.5	1 unit 3 total	350	100 min	14-Pin DIP	T66
ECG2321	NPN-Si, Quad Gen Purp Amp, Sw, $t_{on} = 25$ ns, $t_{off} = 250$ ns typ	60	40	5	.5	.65 unit 1.9 total	350	100 min	14-Pin DIP	T66
ECG2322	PNP-Si, Quad Gen Purp Amp, Sw, $t_{on} = 30$ ns, $t_{off} = 225$ ns typ	60	40	5	.5	.65 unit 1.9 total	350	100 min	14-Pin DIP	T66
ECG2323	NPN-Si, Quad HV Amp, Driver	200	200	5	.5	.75 unit 1.7 total	80	60	14-Pin DIP	T66
ECG2324	NPN-Si, HV, Sw, Horiz Out $t_f = .2$ μsec max	1500	800	6	8	150	---	8 min	TO-3PJ	T48-1
ECG2325	NPN-Si, HV, Hi Speed Sw, $t_f = .7$ μsec typ	900	800	7	3	50	15	10 min	TO-220	T41
ECG2326	NPN-Si, Darlington w/Damper Diode, Sw, $t_f = 1.2$ μsec typ	150	100	7	8	40	---	3K min	TO-220F	T42-1
ECG2327	NPN-Si, HV, Hi Speed Sw, $t_f = .4$ μsec typ	1000	450	5	.5	20	20	50 typ	TO-126	T45
ECG2328	NPN-Si, HV AF Pwr Amp (Compl to ECG2329)	200	200	5	15	150	30	55 min	TO-3PL	T48-2
ECG2329	PNP-Si, HV AF Pwr Amp (Compl to ECG2328)	200	200	5	15	150	30	55 min	TO-3PL	T48-2
ECG2330	NPN-Si, Hi Gain Amp, Regulator w/Int. Zener Cntrl	55^{+15}_{-10}	55^{+15}_{-10}	5	4	80	---	500 min	TO-3PJ	T48-1
ECG2331	NPN-Si, HV, Horiz Sw with Damper Diode, $t_f = .3$ μsec max	1500	800	6	6	60	---	8 min	TO-3PM	T48-3
ECG2332	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = .5$ μsec	60 ± 10	60 ± 10	6	2	20	180	4K typ	TO-220	T41
ECG2333	NPN-Si, HV, Hi Speed, Sw, $t_f = .8$ μsec max	1000	450	9	8	125	---	10	TO-220	T41
ECG2334	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1.5$ μsec	60 ± 10	60 ± 10	6	5	40	20	4K typ	TO-220	T41
ECG2335	NPN-Si, Darlington, Int. Zener Cntrl	60 ± 15	60 ± 15	6	5	80	---	2K min	TO-3PJ	T48-1
ECG2336	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	7	8	45	---	2K min	TO-220J	T41-1
ECG2337	NPN-Si, HV, Hi Speed Sw, $t_f = .3$ μsec max	900	500	7	7	40	---	8	TO-220J	T41-1
ECG2338	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	8	2	10	---	4K min	TO-126	T45
ECG2339	NPN-Si, HV, Hi Speed Sw, $t_f = .3$ μsec max	1000	800	7	3	40	---	8	TO-220J	T41-1

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package Case	Package Fig. No.
ECG2340	NPN-Si, Darlington w/Damper Diode, Int. Zener Cntrl, Drvr, Sw, $t_f = 1$ μsec	60 ± 10	60 ± 10	7	8	45	---	2K min	TO-126N	T45-1
ECG2341	NPN-Si, Darlington, Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2342)	90	80 (CER)	5	1	.800	---	2K min	TO-92	T16
ECG2342	PNP-Si, Darlington, Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2341)	90	80 (CER)	5	1	.800	---	2K min	TO-92	T16
ECG2343	NPN-Si, Darlington Pwr Amp, Sw, $t_{off} = 6$ μsec typ (Compl to ECG2344)	120	120	5	10	125	---	1K min	TO-220	T41
ECG2344	PNP-Si, Darlington Pwr Amp, Sw, $t_{off} = 2.5$ μsec typ (Compl to ECG2343)	120	120	5	10	125	---	1K min	TO-220	T41
ECG2345	NPN-Si, Darlington Pwr Amp, Sw, $t_{off} = 5$ μsec typ (Compl to ECG2346)	120	120	5	6	60	---	750 min	SOT-82	T45-2
ECG2346	PNP-Si, Darlington Pwr Amp, Sw, $t_{off} = 5$ μsec typ (Compl to ECG2345)	120	120	5	6	60	---	750 min	SOT-82	T45-2
ECG2347	NPN-Si, Hi Current, Sw, $t_f = .3$ μsec Typ	120	80	6	4	1	50	40 min	TO-39	T6
ECG2348	NPN-Si, HV, Hi Current, $t_f = .3$ μsec Typ	900	800	7	10	150	15	8 min	TO-3PJ	T48-1
ECG2349	NPN-Si, Darlington, Hi Current, Gen Purp Amp (Compl to ECG2350)	120	120	5	50	300	---	1000 min	TO-3	T28-1
ECG2350	PNP-Si, Darlington, Hi Current, Gen Purp Amp (Compl to ECG2349)	120	120	5	50	300	---	1000 min	TO-3	T28-1
ECG2351	NPN-Si, Darlington, Pwr Amp, Sw, $t_f = 0.6$ μsec typ (Compl to ECG2352)	100	80	5	4	15	---	1K min	TO-126N	T45-1
ECG2352	PNP-Si, Darlington, Pwr Amp, Sw, $t_f = 0.4$ μsec typ (Compl to ECG2351)	100	80	5	4	15	---	1K min	TO-126N	T45-1
ECG2353	NPN-Si, Horiz Sw w/Damper Diode, $t_f = .3$ μsec Max	1500	800	6	10	70	---	8 min	TO-3PM	T48-3
ECG2354	NPN-Si, Horiz Out, HV, Sw, $t_f = .2$ μsec Max	1500	800	6	10	150	---	8 min	TO-3PJ	T48-1
ECG2355	NPN-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2356)	50	50	10	.100	.300	250	30 min	SP-92	T13-2
ECG2356	PNP-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2355)	50	50	10	.100	.300	250	30 min	SP-92	T13-2
ECG2357	NPN-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2358)	50	50	10	.100	.300	250	50 min	SP-92	T13-2
ECG2358	PNP-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2357)	50	50	10	.100	.300	250	50 min	SP-92	T13-2
ECG2359	NPN-Si, Digital w/Base Resistor (47K), Sw, Driver (Compl to ECG2360)	50	50	10	.100	.300	250	65 min	SP-92	T13-2
ECG2360	PNP-Si, Digital w/Base Resistor (47K), Sw, Driver (Compl to ECG2359)	50	50	10	.100	.300	250	65 min	SP-92	T13-2
ECG2361	NPN-Si, Gen Purp Amp, Sw, $t_f = 0.1$ μsec typ (Compl to ECG2362)	60	50	5	.5	.3	200	200 typ	SP-92	T13-2
ECG2362	PNP-Si, Gen Purp Amp, Sw, $t_f = 0.1$ μsec typ (Compl to ECG2361)	60	50	5	.5	.3	200	200 typ	SP-92	T13-2

Notes: * MP - Matched pair

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Package Outlines - See Page 1-78

Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG2363	NPN-Si, Gen Purp Amp (Compl to ECG2364)	60	50	6	2	1	150	200 min	TO-92M	T18
ECG2364	PNP-Si, Gen Purp Amp (Compl to ECG2363)	60	50	6	2	1	150	200 min	TO-92M	T18
ECG2365	NPN-Si, Horiz Out, HV, Sw $t_f = .2$ μsec Max	1500	800	6	12	180	---	8 min	TO-3PL	T48-2
ECG2367	NPN-Si, Digital w/Resistor (4.7K), Sw, Drvr (Compl to ECG2368)	50	50	6	.1	.3	200	30 min	SP-92	T13-2
ECG2368	PNP-Si, Digital w/Resistor (4.7K), Sw, Drvr (Compl to ECG2367)	50	50	6	.1	.3	200	30 min	SP-92	T13-2
ECG2369	NPN-Si, Digital w/Resistor (4.7K/47K), Sw, Drvr (Compl to ECG2370)	50	50	6	.1	.3	200	30 min	SP-92	T13-2
ECG2370	PNP-Si, Digital w/Resistor (4.7K/47K), Sw, Drvr (Compl to ECG2369)	50	50	6	.1	.3	200	30 min	SP-92	T13-2
ECG2375 thru ECG2377	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG2380 thru ECG2399	See FET Selector Guide Page 1-57	---	---	---	---	---	---	---	---	---
ECG2401	PNP-Si, RF Amp, Osc, Mixer, VHF/FM	30	30	4	25 mA	.300	450 typ	---	SOT-23	T20-4
ECG2402	NPN-Si, Lo Noise, UHF/VHF Amp, G_{PE} 15 dB Typ (Compl to ECG2403)	20	15	2	25 mA	.200	5 GHz	40 min	SOT-23	T20-4
ECG2403	PNP-Si, Lo Noise, UHF/VHF Amp, G_{PE} 18 dB Typ (Compl to ECG2402)	20	15	2	25 mA	.200	5 GHz	20 min	SOT-23	T20-4
ECG2404	NPN-Si, Darlington, Gen Purp Amp, Preamp, Driver (Compl to ECG2405)	40	30	10	.300	.350	220	4K min	SOT-23	T20-4
ECG2405	PNP-Si, Darlington, Gen Purp Amp, Preamp, Driver (Compl to ECG2404)	40	30	10	.300	.350	220	4K min	SOT-23	T20-4
ECG2406	NPN-Si, AF/RF Amp, Driver, Sw, $t_f = 60$ nsec (Compl to ECG2407)	75	40	5	.800	.425	300	100 min	SOT-23	T20-4
ECG2407	PNP-Si, AF/RF Amp, Driver, Sw, $t_f = 30$ nsec (Compl to ECG2406)	60	60	5	.600	.425	200	100 min	SOT-23	T20-4
ECG2408	NPN-Si, Gen Purp Amp, Lo Noise, AF/RF (Compl to ECG2409)	80	65	5	.100	.200	300	300 typ	SOT-23	T20-4
ECG2409	PNP-Si, Gen Purp Amp, Lo Noise, AF/RF (Compl to ECG2408)	80	65	5	.100	.200	150	350 typ	SOT-23	T20-4
ECG2410	NPN-Si, Gen Purp, HV, Driver, Amp (Compl to ECG2411)	180	160	6	.600	.350	300	80 min	SOT-23	T20-4
ECG2411	PNP-Si, Gen Purp, HV, Driver, Amp (Compl to ECG2410)	160	150	5	.600	.350	300	60 min	SOT-23	T20-4
ECG2412	NPN-Si, Gen Purp, HV Amp (Compl to ECG2413)	300	300 (CER)	5	50 mA	.310	60	50 min	SOT-23	T20-4
ECG2413	PNP-Si, Gen Purp, HV Amp (Compl to ECG2412)	300	300 (CER)	5	50 mA	.310	60	50 min	SOT-23	T20-4
ECG2414	NPN-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2415)	50	50	10	.100	.200	250	30 min	SOT-23	T20-4

Notes: * MP - Matched pair

Package Outlines - See Page 1-78

Frequency at which common emitter current gain is 70.0% of low frequency gain

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Transistors (cont'd) (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

ECG Type	Description and Application	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Base to Emitter Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Device Diss. P_D Watts	Freq. in MHz f_t	Current Gain h_{FE}	Package	
									Case	Fig. No.
ECG2415	PNP-Si, Digital w/Base Resistor (10K), Sw, Driver (Compl to ECG2414)	50	50	10	.100	.200	250	30 min	SOT-23	T20-4
ECG2416	NPN-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2417)	50	50	10	.100	.200	250	50 min	SOT-23	T20-4
ECG2417	PNP-Si, Digital w/Base Resistor (22K), Sw, Driver (Compl to ECG2416)	50	50	10	.100	.200	250	50 min	SOT-23	T20-4
ECG2418	NPN-Si, Digital w/Base Resistor (47K), Sw, Driver, (Compl to ECG2419)	50	50	10	.100	.200	250	65 min	SOT-23	T20-4
ECG2419	PNP-Si, Digital w/Base Resistor (47K), Sw, Driver, (Compl to ECG2418)	50	50	10	.100	.200	250	65 min	SOT-23	T20-4
ECG2426	NPN-Si, Darlington Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2427)	90	80 (CER)	5	.500	1	---	2K min	SOT-89	T20-5
ECG2427	PNP-Si, Darlington Driver, Sw, $t_{off} = 1.5$ μsec (Compl to ECG2426)	90	80 (CER)	5	.500	1	---	2K min	SOT-89	T20-5
ECG2428	NPN-Si, Gen Purp Amp, Sw, $t_{off} = 1.0$ μsec (Compl to ECG2429)	90	80	5	1	1	100	100 min	SOT-89	T20-5
ECG2429	PNP-Si, Gen Purp Amp, Sw, $t_{off} = 0.7$ μsec (Compl to ECG2428)	90	80	5	1	1	100	100 min	SOT-89	T20-5
ECG2430	NPN-Si, HV, Gen Purp Amp (Compl to ECG2431)	400	350	5	1	1	70	40 min	SOT-89	T20-5
ECG2431	PNP-Si, HV, Gen Purp Amp (Compl to ECG2430)	350	300	4	1	1	15	30 min	SOT-89	T20-5
ECG2501	NPN-Si, Hi Freq, Video Out (Compl to ECG2502)	300	300	5	.1	7	150	100 min	TO-126M	T69
ECG2502	PNP-Si, Hi Freq, Video Out (Compl to ECG2501)	300	300	5	.1	7	150	100 min	TO-126M	T69
ECG2503	NPN-Si, Gen Purp Amp, Hi Gain, Sw, $t_f = .06$ μsec Typ	30	25	15	.7	.6	270	800 min	TO-92	T16
ECG2504	NPN-Si, Gen Purp, Hi Gain Amp, Sw, $t_f = .1$ μsec Typ	30	25	15	2	15	260	1500 typ	TO-126M	T67
ECG2505	NPN-Si, Gen Purp Amp, Hi Gain, Sw, $t_f = .1$ μsec Typ	30	25	15	2	1	260	1000 min	M-71	T20-3

Notes: * MP - Matched pair

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Package Outlines - See Page 1-78

Complementary Pairs

NPN Type	PNP Type
ECG11	ECG12
ECG16	ECG17
ECG18	ECG19
ECG20	ECG21
ECG24	ECG25
ECG29	ECG30
ECG31	ECG32
ECG36	ECG37
ECG49	ECG50
ECG54	ECG55
ECG58	ECG59
ECG60	ECG61
ECG87	ECG88
ECG90	ECG91
ECG92	ECG93
ECG103	ECG102
ECG103A	ECG102A
ECG123AP	ECG159
ECG128	ECG129
ECG128P	ECG129P
ECG130	ECG219
ECG152	ECG153
ECG155	ECG131

NPN Type	PNP Type
ECG157	ECG39
ECG175	ECG38
ECG181	ECG180
ECG184	ECG185
ECG186	ECG187
ECG186A	ECG187A
ECG188	ECG189
ECG191	ECG240
ECG196	ECG197
ECG210	ECG211
ECG241	ECG242
ECG243	ECG244
ECG245	ECG246
ECG247	ECG248
ECG249	ECG250
ECG251	ECG252
ECG253	ECG254
ECG261	ECG262
ECG263	ECG264
ECG268	ECG269
ECG270	ECG271
ECG272	ECG273
ECG274	ECG275

NPN Type	PNP Type
ECG280	ECG281
ECG284	ECG285
ECG287	ECG288
ECG289A	ECG290A
ECG291	ECG292
ECG293	ECG294
ECG297	ECG298
ECG324	ECG323
ECG331	ECG332
ECG373	ECG374
ECG375	ECG398
ECG377	ECG378
ECG382	ECG383
ECG388	ECG68
ECG390	ECG391
ECG392	ECG393
ECG396	ECG397
ECG2304	ECG2314
ECG2305	ECG2306
ECG2328	ECG2329
ECG2341	ECG2342
ECG2343	ECG2344
ECG2345	ECG2346

NPN Type	PNP Type
ECG2349	ECG2350
ECG2351	ECG2352
ECG2355	ECG2356
ECG2357	ECG2358
ECG2359	ECG2360
ECG2361	ECG2362
ECG2363	ECG2364
ECG2367	ECG2368
ECG2369	ECG2370
ECG2402	ECG2403
ECG2404	ECG2405
ECG2406	ECG2407
ECG2408	ECG2409
ECG2410	ECG2411
ECG2412	ECG2413
ECG2414	ECG2415
ECG2416	ECG2417
ECG2418	ECG2419
ECG2426	ECG2427
ECG2428	ECG2429
ECG2430	ECG2431
ECG2501	ECG2502

Matched Complementary Pairs —
Contains one each of NPN and PNP Type

ECG Type	Contains One Each NPN Type	PNP Type
ECG37MCP	ECG36	ECG37
ECG55MCP	ECG54	ECG55
ECG61MCP	ECG60	ECG61
ECG68MCP	ECG388	ECG68
ECG88MCP	ECG87	ECG88
ECG93MCP	ECG92	ECG93
ECG129MCP	ECG128	ECG129
ECG153MCP	ECG152	ECG153
ECG159MCP	ECG123AP	ECG159

ECG Type	Contains One Each NPN Type	PNP Type
ECG180MCP	ECG181	ECG180
ECG185MCP	ECG184	ECG185
ECG219MCP	ECG130	ECG219
ECG281MCP	ECG280	ECG281
ECG285MCP	ECG284	ECG285
ECG290AMCP	ECG289A	ECG290A
ECG292MCP	ECG291	ECG292
ECG332MCP	ECG331	ECG332

ECG304A Kit

ECG Type	Qty.	ECG Type	Qty.
ECG102	1	ECG154	1
ECG103A	2	ECG157	1
ECG107	1	ECG158	2
ECG108	2	ECG159	5
ECG121	2	ECG160	1
ECG123AP	10	ECG161	2
ECG124	1	ECG171	1
ECG128	4	ECG175	1
ECG129	2	ECG186	1
ECG130	2	ECG196	2
ECG152	2	ECG198	1
ECG153	1	ECG199	2

1 - ECG212 Cross Reference Guide and current supplement packed with each kit.

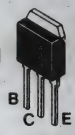
Darlington Power Transistors Maximum Ratings at $T_C = 25°C$

Description NPN	Description PNP	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Emitter To Base Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Base Current I_B mA	Max. Device Diss. P_D Watts	Typ Current Gain h_{FE}	NPN/PNP Equivalent Circuit	Package Case/Fig./Basing
ECG243	ECG244	80	80	5	8	120	100	3,000	A/B	TO-3 Fig. T28 Fig. T28A
ECG245	ECG246	80	80	5	10	200	150	4,000	A/B	
ECG247	ECG248	100	100	5	12	200	150	3,500	A/B	
ECG249	ECG250	100	100	5	16	500	150	3,500	A/B	
ECG251	ECG252	100	100	5	20	500	160	2,400	A/B	
ECG2349	ECG2350	120	120	5	50	2000	300	1,000 min	A/B	
ECG97	---	500	400	8	10	2500	150	40 min	G	
ECG99	---	600	400	8	50	10,000	250	25 min	G	
ECG98	---	700	500	8	20	2500	175	40 min	G	
ECG274	ECG275	80	80	5	4	80	50	3,000	A/B	TO-66 Fig. T25
ECG256	---	450	400	8	20	2500	150	30 min	G	TO-3P (TO-218) Fig. T48 TAB CONNECTS TO COLLECTOR
ECG270	ECG271	100	100	5	10	500	125	1,000 min	E/F	
ECG2316	---	500	450	5	10	5000	105	100 min	A	
ECG2317	---	500	450	5	15	1000	105	40 min	A	
ECG214	---	70	60	6	10	---	60	2,000 min	A	TO-3PJ Fig. T48-1 TAB CONNECTS TO COLLECTOR
ECG215	---	110	100	6	8	---	60	1,500 min	A	
ECG2335	---	60 ± 15	60 ± 15	6	5	---	80	2,000 min	J	
ECG257	ECG258	80	80	5	5	100	70	750 min	A/B	TO-127 Fig. T46 METAL CONTACT CONNECTS TO COLLECTOR
ECG259	ECG260	100	100	5	8	120	75	2,500	A/B	
ECG2326	---	150	100	7	8	800	40	3,000 min	A	TO-220F Fig. T42-1 METAL CONTACT CONNECTS TO COLLECTOR
ECG2332	---	60 ± 10	60 ± 10	6	2	400	20	4,000 typ	H	TO-220 Fig. T41 TAB CONNECTS TO COLLECTOR
ECG2334	---	60 ± 10	60 ± 10	6	5	500	40	4,000 typ	H	
ECG261	ECG262	100	100	5	8	250	65	1,000 min	A/B	
ECG263	ECG264	100	100	5	10	250	65	1,000 min	A/B	
ECG2343	ECG2344	120	120	5	10	500	125	1,000 min	A/B	
ECG2315	---	400	200	6	8	2000	60	100 min	G	
ECG2336	---	60 ± 10	60 ± 10	7	8	---	45	2,000 min	I	TO-220J Fig. T41-1
ECG2338	---	60 ± 10	60 ± 10	8	2	200	10	4,000 min	H	TO-126 Fig. T45 METAL CONTACT CONNECTS TO COLLECTOR
ECG253	ECG254	80	80	5	4	100	40	2,000	A/B	

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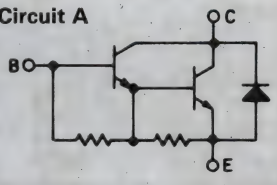
Package Outlines - See Page 1-78

Darlington Power Transistors (cont'd)

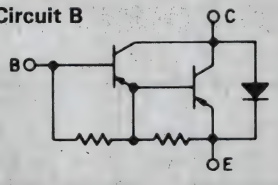
Description NPN	Description PNP	Collector To Base Volts BV_{CBO}	Collector To Emitter Volts BV_{CEO}	Emitter To Base Volts BV_{EBO}	Max. Collector Current I_C Amps	Max. Base Current I_B mA	Max. Device Diss. P_D Watts	Typ Current Gain h_{FE}	NPN/PNP Equivalent Circuit	Package Case/Fig./Basing
ECG2345	ECG2346	120	120	5	6	150	60	750 min	A/B	SOT-82 Fig. T45-2 METAL CONTACT CONNECTS TO COLLECTOR 
ECG2340	---	60 ± 10	60 ± 10	7	8	---	45	2,000 min	I	TO-126N Fig. T45-1 ECG2351 and ECG2352 use Fig. T70  METAL CONTACT CONNECTS TO COLLECTOR
ECG2351	ECG2352	100	80	5	4	---	15	1,000 min	A/B	
ECG265	---	50	50	13	0.5	---	6.25	10,000 min	C	TO-202 Fig. T38 TAB CONNECTS TO COLLECTOR 
ECG266	---	50	50	13	0.5	---	6.25	40,000 min	C	
ECG267	---	30	30	13	0.5	---	6.25	90,000 min	C	
ECG268	ECG269	50	50	13	2	---	10	1,000 min	C/D	
ECG272	ECG273	50	40	12	2	---	10	25,000 min	C/D	TO-202N Fig. T36 TAB CONNECTS TO COLLECTOR 

Darlington Power Transistor Circuits

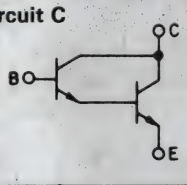
Circuit A



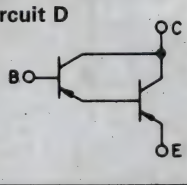
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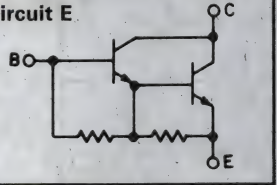
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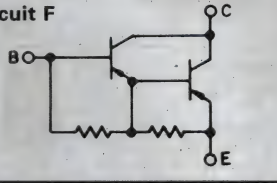
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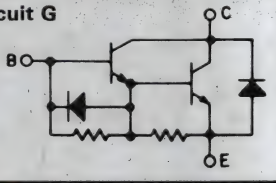
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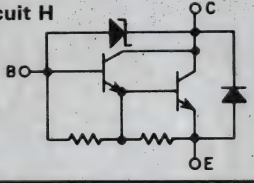
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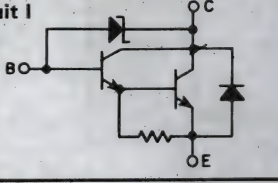
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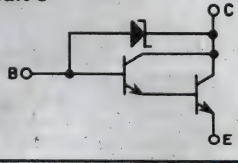
Circuit H



Circuit I



Circuit J



Package Outlines - See Page 1-78

Field Effect Transistors Maximum Ratings at $T_A = 25°C$ (Observe MOS Handling) ▲

ECG Type	Description and Application	Trans-conductance gfs Typ μmhos	Gate to Source Cutoff Voltage V_{GS} (off) Max V	Zero-Gate Voltage Drain Current I_{DSS} mA Min - Max	Gate To Source Breakdown Voltage BV_{GSS} Min V	Input Cap C_{iss} Max pf	Transfer Cap C_{rss} Max pf	Device Diss. P_D Max mW	Package Case/Fig./Basing
ECG220 ▲	MOSFET, N-Ch, VHF Amp/ Mix, NF 5dB Max at 200 MHz	7,500	8	5 - 25	20	7	0.35	330	TO-72 Fig. T4
ECG221 ▲	Dual Gate MOSFET, N-Ch, VHF Amp/Mix, NF 5dB Max at 200 MHz	15,000	6	18 typ	20	5.5	0.03	400	
ECG222 ▲	Dual Gate MOSFET, N-Ch, VHF Amp/Mix, NF 6dB Max at 200 MHz Gate Protected	12,000	4	5 - 35	20	6 typ	0.03	330	
ECG452	JFET, N-Ch, UHF/VHF Amp, NF 4dB at 400 MHz	5,500	6	5 - 15	30	4	0.8	300	
ECG454 ▲	Dual Gate MOSFET, N-Ch, UHF/VHF Amp, NF 7dB at 900 MHz Gate Protected	15,000	4	6 - 30	25	---	0.03	360	
ECG456	JFET, N-Ch, Gen Purp Amp/ Sw	3,500	6	2 - 6	30	6	2	300	
ECG459	JFET, N-Ch, AF Amp/ Chopper/Sw	4,500	6	2 - 10	50	6	3	300	
ECG460	JFET, P-Ch, AF Amp	2,500	6	2 - 6	20	20	---	300	
ECG312	JFET, N-Ch, VHF Amp/Mix NF 4dB Max at 400 MHz	5,500	6	5 - 15	30	4.5	1.0	360	TO-92 Fig. T16
ECG326	JFET, P-Ch, Gen Purp AF Amp, NF 2.5dB Max at 100 Hz	3,000	7.5	2 - 9	60	7	2	310	
ECG451	JFET, N-Ch, UHF/VHF Amp, NF 4dB at 400 MHz	4,000	4	4 - 10	25	5	1.2	310	
ECG457	JFET, N-Ch, Gen Purp Amp/ Sw	3,000	5	1 - 5	25	6	3	310	
ECG458	JFET, N-Ch, Gen Purp, Lo Noise Audio Amp	12,000	1.5	1 - 3	50	13 (typ)	2.6 (typ)	250	
ECG489	JFET, P-Ch, Gen Purp, Chopper	11,000	2	2 - 15	30	32	8	360	
ECG455 ▲	Dual Gate MOSFET, N-Ch, TV UHF RF Amp, 900 MHz Gate Protected	22,000	$G_1 = 2$ $G_2 = 0.7$	0.5 - 8 ($V_{G2S} = 4V$)	20 ($B_{V\ DSX}$)	3.5	0.03	200	RF-15A Fig. T49-1
ECG461	Matched Dual JFET, N-Ch, DC Amp/Sampler/Chopper	3,500	4.5	0.5 - 8	50	6	2	400	TO-71 Fig. T3
ECG462 ▲	MOSFET, N-Ch, AF Amp, NF 3.8dB at 1.0 kHz	2,250	7	2 - 6	20	8	0.8	300	TO-18 Fig. T2
ECG453	JFET, N-Ch, VHF/FM Amp, NF 3.5dB at 100 MHz	7,000	---	12 - 24	18	---	0.65	200	SP-92 Fig. T13-1•

DISCONTINUED

DISCONTINUED

ECG	1	2	3	4
220	D	S	G	CASE
221	D	G2	G1	S,CASE
222	D	G2	G1	S,CASE
452	S	D	G	CASE
454	D	G2	G1	S,CASE
456*	D	S	G	CASE
459*	S	D	G	CASE
460*	S	G	D	CASE

* D & S Interchangeable

ECG	1	2	3
312*	G	S	D
326*	S	D	G
451	D	S	G
457*	D	S	G
458	D	G	S
489	D	G	S

* D & S Interchangeable

TO-71 Fig. T3

1. S1 4. Blank 7. G2
2. D1 5. S2 8. Blank
3. G1 6. D2

• TO-92 Alt. Fig. T16

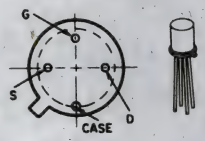
▲ Refer to MOSFET Handling Precautions - Page 1-31

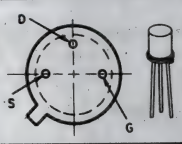
Package Outlines - See Page 1-78

(Observe MOS Handling) ▲

ECG Type	Description and Application	Transconductance gfs μmhos	Gate to Source Cutoff Voltage V_{GS} (off) Max V	Zero-Gate Drain Current I_{DSS}	Drain Current I_D	Input Cap C_{iss} Max pf	Gate to Source Breakdown Voltage BV_{GSS} Min V	Drain to Source Resistance r_{DS} (on) Max ohms	Device Diss. P_D Max mW	Package Case/Fig./Basing
ECG464 ▲	MOSFET, P-Ch, Enhancement, Sw, (Compl to ECG465)	1,000 Min	5	10 nA Max	3 mA Min (on)	5	25	600	300	**TO-72** Fig. T4
						td 60 ns; tr 65 ns; t(off) 60 ns				
ECG465 ▲	MOSFET, N-Ch, Enhancement, Sw (Compl to ECG464)	1,000 Min	5	10 nA Max	3 mA Min (on)	5	25	300	300	
						td 60 ns; tr 65 ns; t(off) 60 ns				
ECG466	JFET, N-Ch, Chopper/Sw	---	10	50 mA Min	250 pA Max (off)	18	40	25	360	**TO-18** Fig. T2
						td 6 ns; tr 3 ns; t(off) 25 ns				
ECG467	JFET, N-Ch, Chopper/ Fast Sw	---	---	50 mA Min	1.0 nA Max (off)	10	30	30	310	**TO-92** Fig. T16
						td 4 ns; tr 5 ns; t(off) 5 ns				
ECG468	JFET, N-Ch, Chopper/Sw	8,000	10	20 mA Min	1.0 nA Max (off)	16	35	30	360	
						td 7 ns; tr 6 ns; t(off) 20 ns				
ECG469	JFET, N-Ch, Chopper/Sw	7,500	3	2 mA Min	1.0 nA Max (off)	16	35	100	360	
						td 7 ns; tr 6 ns; t(off) 20 ns				
ECG490 ▲	MOSFET, N-Ch, Enhancement, Hi Speed, Sw	200,000	3	.5 μA	.5 A Max	40	15	5	830	Note: ECG490 Basing is D,G,S.
						td (off) = 10 ns, td (on) = 10 ns, BV_{DSS} = 60 V				

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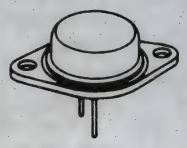


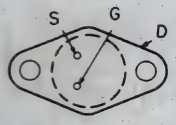
▲ Refer to MOSFET Handling Precautions - Page 1-31

Package Outlines - See Page 1-78

Power MOSFETS

ECG Type	Description and Application	Transconductance gfs mhos	Drain to Source Breakdown Voltage BV_{DSS}	Gate to Source Breakdown Voltage BV_{GS}	Continuous Drain Current I_D Amps	Gate to Source Threshold Voltage $V_{GS(th)}$	Drain to Source Resistance $r_{DS(on)}$ Ohms	Input Cap C_{iss} pf	Device Dissipation @T_C=25°C P_D Watts	Package Case/Fig./Basing
ECG2392 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	6 Min	100 Min	±20 Max*	32	4 Max	.06 Max	1500 Typ	125 Max	TO-3 Fig. T28
						td(off)=300 ns, td(on)=50 ns, tf=200 ns, tr=200 ns				
ECG2386 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	2 Min	600 Min	±20 Max*	6	4.5 Max	1.2 Max	1800 Max	150 Max	
						td(off)=200 ns, td(on)=60 ns, tf=120 ns, tr=150 ns				
ECG2384 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	1.8 Min	800 Min	±20 Max*	6	4 Max	1.5 Max	3500 Max	125 Max	
						td(off)=500 ns, td(on)=60 ns, tf=100 ns, tr=100 ns				
ECG2390 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	60 Min	±20 Max*	12	4.5 Max	.2 Max	800 Max	75 Max	TO-220 Fig. T41
						td(off)=80 ns, td(on)=60 ns, tf=110 ns, tr=160 ns				
ECG2389 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	8 Min	60 Min	±30 Max*	35	4 Max	.045 Max	2000 Max	125 Max	
						td(off)=160 ns, td(on)=40 ns, tf=130 ns, tr=90 ns				
ECG2395 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	17 Min	60 Min	±30 Max*	50	4 Max	.028 Max	2000 Max	150 Max	
						td(off)=170 ns, td(on)=20 ns, tf=120 ns, tr=70 ns				
ECG2382 ▲ (Compl to ECG2383)	MOSFET, N-Ch, Enhancement Hi Speed Switch	1.5 Min	100 Min	±20 Max*	8	4 Max	.5 Max	750 Max	75 Max	
						td(off)=50 ns, td (on)=50 ns, tf=60 ns, tr=120 ns				
ECG2383 ▲ (Compl to ECG2382)	MOSFET, P-Ch, Enhancement Hi Speed Switch	2 Min	100 Min	±20 Max*	8	4.5 Max	.4 Max	1200 Max	75 Max	
						td(off)=200 ns, td(on)=80 ns, tf=150 ns, tr=150 ns				
ECG66 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	100 Min	±20 Max*	12	4.5 Max	.18 Max	1200 Max	75 Max	
						td(off)=200 ns, td(on)=50 ns, tf=100 ns, tr=100 ns				
ECG2396 ▲	MOSFET, N-Ch Enhancement Hi Speed Switch	12 Min	100 Min	±30 Max*	30	4 Max	.057 Max	2000 Max	150 Max	
						td(off)=150 ns, td(on)=20 ns, tf=65 ns, tr=40 ns				
ECG2388 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	5 Min	200 Min	±20 Max*	12.5	4 Max	.2 Max	1000 Typ	75 Max	
						td(off)=120 ns, td(on)=20 ns, tf=60 ns, tr=60 ns				
ECG67 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	2 Min	400 Min	±20 Max*	5	4.5 Max	1.5 Max	1200 Max	75 Max	
						td(off)=200 ns, td(on)=50 ns, tf=100 ns, tr=100 ns				
ECG2391 ▲	MOSFET, N.Ch, Enhancement Hi Speed Switch	2.1 Min	400 Min	±30 Max*	4	4 Max	1.8 Max	500 Max	75 Max	
						td(off)=65 ns, td(on)=20 ns, tf=40 ns, tr=60 ns				







* Warning - Exceeding BV_{GS} maximum will result in permanent damage to the gate region oxide layer.

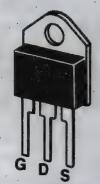
▲ Refer to MOSFET Handling Precautions - Page 1-31

Package Outlines - See Page 1-78

Power MOSFETS (cont'd)

ECG Type	Description and Application	Transconductance gfs mhos	Drain to Source Breakdown Voltage BV_{DSS}	Gate to Source Breakdown Voltage BV_{GS}	Continuous Drain Current I_D Amps	Gate to Source Threshold Voltage $V_{GS(th)}$	Drain to Source Resistance $r_{DS(on)}$ Ohms	Input Cap C_{iss} pf	Device Dissipation @T_C=25°C P_D Watts	Package Case/Fig./Basing
ECG2397 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	5 Min	400 Min	±30 Max*	10	4 Max	.5 Max	1800 Max	150 Max	**TO-220** Fig. T41
						td(off)=200 ns, td(on)=20 ns, tf=75 ns, tr=60 ns				
ECG2380 ▲ (Compl to ECG2381)	MOSFET, N-Ch, Enhancement Hi Speed Switch	1 Min	500 Min	±20 Max*	2	4.5 Max	4 Max	500 Max	75 Max	
						td(off)=60 ns, td(on)=40 ns, tf=30 ns, tr=60 ns				
ECG2381 ▲ (Compl to ECG2380)	MOSFET, P-Ch, Enhancement Hi Speed Switch	.5 Min	500 Min	±20 Max*	2	4.5 Max	6 Max	1000 Max	75 Max	
						td(off)=150 ns, td(on)=150 ns, tf=50 ns, tr=100 ns				
ECG2398 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3.5 Min	500 Min	±30 Max	5	4 Max	1.5 Max	1000 Max	100 Max	
						td(off)=100 ns, td(on)=10 ns, tf=40 ns, tr=45 ns				
ECG2385 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	5 Min	500 Min	±30 Max*	8	4 Max	.8 Max	1800 Max	125 Max	
						td(off)=250 ns, td(on)=40 ns, tf=90 ns, tr=90 ns				
ECG2387 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	800 Min	±30 Max*	4	4 Max	3 Max	1250 Max	125 Max	
						td(off)=150 ns, td(on)=25 ns, tf=60 ns, tr=40 ns				
ECG2399 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	3 Min	1000 Min	±30 Max*	3	4 Max	5 Max	1250 Max	125 Max	
						td(off)=130 ns, td(on)=10 ns, tf=40 ns, tr=25 ns				
ECG2393 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	5 Min	500 Min	±20 Max*	9	4 Max	.7 Max	1900 Max	150 Max	**TO-3P (TO-218)** Fig. T48
						td(off)=170 ns, td(on)=40 ns, tf=40 ns, tr=60 ns				
ECG2394 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	9 Min	500 Min	±20 Max*	14	4 Max	.4 Max	3000 Max	180 Max	
						td(off)=150 ns, td(on)=35 ns, tf=70 ns, tr=50 ns				
ECG2377 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	2 Min	900 Min	±30 Max*	8	3.5 Max	1.5 Max	1300 Typ	150 Max	**TO-3PJ** Fig. T48-1
						td(off)=40 ns, td(on)=100 ns, tf=20 ns, tr=25 ns				
ECG2375 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	13 Min	100 Min	±20 Max*	40	4 Max	.055 Max	2000 Typ	180 Max	**TO-247** Fig. T68
						td(off)=60 ns, td(on)=15 ns, tf=90 ns, tr=140 ns				
ECG2376 ▲	MOSFET, N-Ch, Enhancement Hi Speed Switch	13 Min	200 Min	±20 Max*	30	4 Max	.085 Max	2000 Typ	180 Max	
						td(off)=70 ns, td(on)=20 ns, tf=80 ns, tr=125 ns				









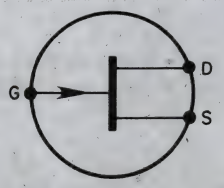
* Warning - Exceeding BV_{GS} maximum will results in permanent damage to the gate region oxide layer.

▲ Refer to MOSFET Handling Precautions - Page 1-31.

Package Outlines - See Page 1-78

FET and MOSFET Diagrams (Observe MOS Handling) ▲

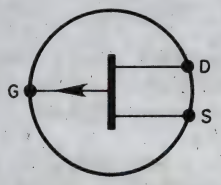
Depletion N-Ch JFET



ECG

312 456
451 457 461 (Dual) 468
452 458 466 469
453 459 467

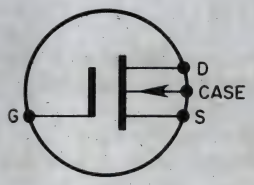
Depletion P-Ch JFET



ECG

326
460
489

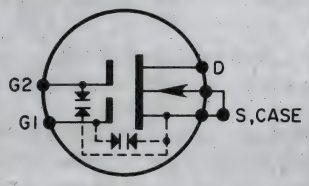
Depletion N-Ch MOSFET



ECG

220
462

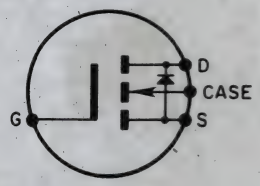
Dual Gate Depletion N-Ch MOSFET



ECG

221
222 (Gate Protected)
454 (Gate Protected)
455 (Gate Protected)

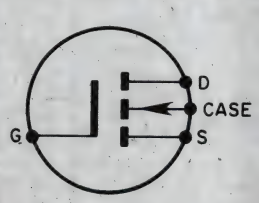
Enhancement N-Ch MOSFET



ECG

2384
2386
2392

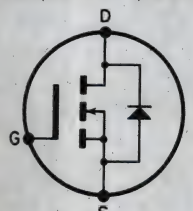
Enhancement N-Ch MOSFET



ECG

465

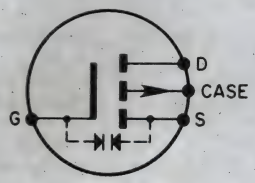
Enhancement N-Ch MOSFET



ECG

66 2380 2390 2397
67 2382 2391 2398
490 2385 2393 2399
2375 2387 2394
2376 2388 2395
2377 2389 2396

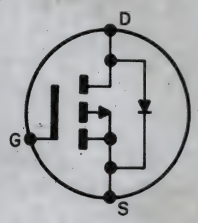
Enhancement P-Ch MOSFET



ECG

463 (Dual)
(Gate Protected)
464

Enhancement P-Ch MOSFET



ECG

2381
2382

Surface Mount Transistors

Selector Guide

The following selector chart has been provided to aid in the servicing of equipment using surface mounted transistors.

The very small size of these devices makes it impossible to print the full part number on any surface. To overcome this problem, the various manufacturers use 1 to 3 digits (or alphabet) codes. However, since there are **no standard** codes established between the manufacturers, it is difficult to determine the actual part number when there is no parts list or schematic to refer to.

This chart is provided merely as a guide of possible ECG selections by application when the above conditions exist.

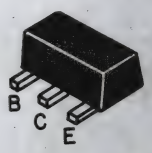
Typical Applications	ECG Type PS Voltage▲		NPN/ PNP	Case
RF	**12 V Or Less**	**24 V Or Less**		
UHF Amp/Osc/Mixer	2402 2403		NPN PNP	SOT-23 SOT-23
UHF Amp/Osc/Mixer, Modulator	2401 2402	2401	PNP NPN	SOT-23 SOT-23
AM/FM Amp/Osc/Mixer, IF	2406 2407	2406 2407	NPN PNP	SOT-23 SOT-23
Multipurpose	**30 V Or Less**	**60 V Or Less**		
AF Preamps, Bias Amps, Sync Sep, Rec/ Playback Amps, Other Low-Noise High Gain Circuits	2408 2409 2404* 2405* 2426* 2427*	2408 2409 2426* 2427*	NPN PNP NPN PNP NPN PNP	SOT-23 SOT-23 SOT-23 SOT-23 SOT-89 SOT-89
AF Amp/Driver, Vert/Horiz Osc, AGC Amp, Relay/Solenoid Driver, Lamp Driver, DC Amp, General Purpose Switch, Squelch Amp, Telephone Ckts, Video Amp, Chroma Amp	2406 2407 2428 2429 2426* 2427*	 2407 2428 2429 2426* 2427*	NPN PNP NPN PNP NPN PNP	SOT-23 SOT-23 SOT-89 SOT-89 SOT-89 SOT-89
High Voltage Circuit	**150 V Or Less**	**300 V Or Less**		
Video Out, Vert Deflection, HV Switch, Regulator Circuits	2410 2411	2412 2413 2430 2431	NPN PNP NPN PNP	SOT-23 SOT-23 SOT-89 SOT-89

Case Styles

SOT-23 Fig. T20-4



SOT-89 Fig. T20-5



Package Outlines - See Page 1-78

Digital Transistors

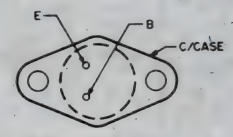
Typical Applications	ECG Type Input			NPN/ PNP	Case
	R = 10K	**R = 22K**	**R = 47K**		
Inverters, Drivers, Interface, Switches	2414 2415	2416 2417	2418 2419	NPN PNP	SOT-23 SOT-23

▲ Circuit Power Supply Voltage
* Darlington Transistors

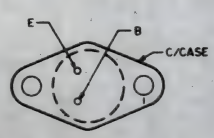
Silicon Power Transistors (By Case Style and Increasing BVCBO) Maximum Ratings at $T_C = 25°C$

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
80	80	ECG29	ECG30	Hi Pwr Amp, Sw, $t_f = .3$ μsec (typ)	50	300	20 min	2 min	TO-3 Fig. T28A
100	60	ECG130	ECG219	Gen Purp, Pwr Amp	15	115	40 typ	.8	Fig. T28
100	100	ECG181	ECG180	Gen Purp, Pwr Amp	30	200	25 min	2 min	
140	140	ECG280	ECG281	Gen Purp, Pwr Amp	12	100	70 min	6	
140	140	ECG60	ECG61	Gen Purp, Pwr Amp	20	250	30 typ	2	
150	130	ECG328	---	Hi Speed Sw, Amp, $t_f = .5$ μs (typ)	15	140	12 min 100 max	60	
180	150	ECG327	---	Hi Speed Sw, Amp, $t_f = .25$ μs (max)	25	200	30 min 120 max	40	
180	150	ECG387	---	Hi Speed Sw, Amp, $t_f = .25$ μs (max)	50	250	70 typ	30 min	
180	180	ECG284	ECG285	Gen Purp, Pwr Amp	16	150	70 min	6	
200	150	ECG86	---	Hi Gain Amp, DC Regulator	5	50	400 min	15	
250	250	ECG87	ECG88	Hi Pwr AF Amp	10	200	20 min	3	
300	300	ECG94	---	Gen Purp Amp, DC Regulator	5	100	30 min	2.5 min	
400	250	ECG388	ECG68	Gen Purp, Hi Pwr Amp	16	250	30 typ	4 min	
500	300	ECG162	---	Gen Purp Linear, Vert Output	3 cont 10 peak	100	20 min	---	
550	350	ECG385	---	Hi Speed Sw, Amp, $t_f = .1$ μs (typ)	10	150	20 typ	---	
700	700	ECG163A	---	Horiz Output Sw, $t_f = .4$ μs (typ)	10 peak	100	10	---	
750	450	ECG52	---	HV, Hi Speed Sw, $t_f = .2$ μs (typ)	5	125	10 typ	---	
800	325	ECG283	---	Horiz Output Sw, $t_f = 1$ μs (max)	10	100	15 min	6	
800	500	ECG386	---	Hi Speed Sw, Amp, $t_f = .3$ μs (typ)	20	175	30 typ	---	
850	400	ECG53	---	HV, Hi Speed Sw, $t_f = .7$ μs (typ)	15	175	12 typ	6 min	
850	450	ECG2319	---	HV, Hi Speed Sw, Hi Current, $t_f = .27$ μs (typ)	15	175	6 min	---	
1500	600	ECG89	---	Horiz Output/Damper Diode $t_f = .7$ μs (typ)	7	50	5 min	---	
1500	700	ECG164	---	Gen Purp Linear, Vert	1	50	20	.5 min	
1500	1400	ECG165	---	Horiz Output Sw, $t_f = .7$ μs (typ)	5	50	5 min	---	
1500	1500	ECG389	---	Horiz Output Sw, $t_f = .7$ μs (typ)	4	100	5 min	4 min	
1500	1500	ECG238	---	Horiz Output Sw, $t_f = .7$ μs (typ)	7	50	5	---	
90	80	---	ECG218	Gen Purp, Pwr Amp	3	25	20 min	3 min	TO-66 Fig. T25
300	250	ECG286	---	Horiz Output Sw, $t_f = 1$ μs (typ)	2	25	100 min	8	
300	300	ECG124	---	HV Gen Purp, Pwr Amp	.150	20	100 typ	30	
375	350	ECG384	---	Hi Speed Sw, Amp, $t_f = .3$ μs (typ)	7	45	20 typ	1 min	
500/400	300/350	ECG175	ECG38	Gen Purp, Pwr Amp	3	40	50 typ	10	
800	400	ECG369	---	Gen Purp Linear Amp, Sw, $t_f = 3.5$ μs (typ)	3 peak	40	30 min	7	
1600	700	ECG321	---	Horiz Output Sw, $t_f = 1$ μs (typ)	1.5	15 ($T_C = 70°C$)	1.5 min	---	



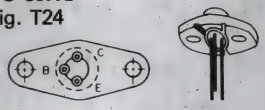
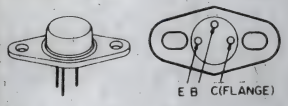
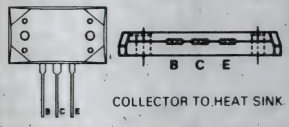
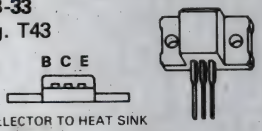
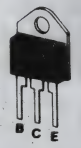






Package Outlines - See Page 1-78

Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain hFE	Freq in MHz f_t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
200	200	ECG2328	ECG2329	HV AF Pwr Amp	15	150	55 min	30	TO-3PL Fig. T48-2  Collector to Heat Sink
1500	800	ECG2365	---	Horiz Output, HV, Sw, t_f = .2 μs (max)	12	180	8 min	---	
80	40	ECG237	---	RF Pwr Output	3	10	10 min	150 min	TO-39HS Fig. T24 
60	60	ECG224	---	RF Pwr Output	2	10	60 typ	200	TO-39F Fig. T23 
450	350	ECG225	---	Gen Purp, Pwr Amp	1	10	40 min	15	
200	200	ECG92	ECG93	Hi Pwr AF PO	15	150	120 typ	20	TB-35 Fig. T44-1 
200	200	ECG58	ECG59	Hi Pwr AF PO	17	200	20 min	20	
160	160	ECG33	ECG34	Hi Pwr AF PO	15	150	120 min	80	TB-34 Fig. T44 
150	120	---	ECG381	Gen Purp, Pwr Amp	7	80	60 typ	9	TB-33 Fig. T43 
100	100	ECG390	ECG391	Hi Speed Sw, Amp, t_{off} = 1 μs (typ)	10	80	40 min	3	TO-3P (TO-218) Fig. T48  Collector to Heat Sink
100	100	ECG392	ECG393	Hi Speed Sw, Amp, t_{off} = .7 μs (typ)	25	125	25 min	3	
160	160	ECG2305	ECG2306	Power Amp, Sw, t_f = 1.2 μs (typ)	16	125	60 min	1 min	
500	400	ECG394	---	HV Pwr Amp, Sw, t_{off} = 5 μs (typ)	3	100	30 min	2.5	
1000	450	ECG2310	---	HV Hi Speed Sw, t_f = .8 μs (max)	8	125	10 min	---	
1000	450	ECG2311	---	HV Hi Current Hi Speed Sw, t_f = .3 μs (typ)	15	150	10	---	
1500	700	ECG2300	---	HV Horiz Output, Sw, t_f = .7 μs (typ)	8	125	5	7	
1500	700	ECG2318	---	HV, Horiz Output w/Damper Diode, t_f = .7 μs (typ)	8	125	5 typ	7	
1500	750	ECG2301	---	HV Horiz Output, Sw, t_f = .4 μs (typ)	5	100	5	4	

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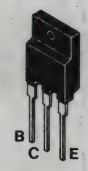
Package Outlines - See Page 1-78

Silicon Power Transistors (cont'd)

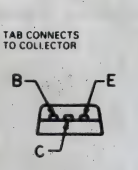
Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
55^{+15}_{-10}	55^{+15}_{-10}	ECG2330	---	Hi Gain Amp, Regulator w/Int. Zener Control	4	80	500 min	---	TO-3PJ Fig. T48-1
60	50	ECG2304	ECG2314	Hi Speed Sw, Amp, t_f = .1 μs (typ)	15	90	100 min	20	
160	140	ECG36	ECG37	Gen Purp, Pwr Amp, Hi Speed Sw	12	100	60 min	15	
200	180	ECG2307	---	Hi Gain Amp, Series Pass	5	80	500 min	---	
500	400	ECG2308	---	Hi Speed Sw, Series Pass, t_f = 1 μs (max)	12	100	15 min	20	
900	800	ECG2309	---	HV, Hi Speed Sw, t_f = .7 μs (max)	6	100	10 min	15	
900	800	ECG2348	---	HV, Hi Current, t_f = .3 μs (typ)	10	150	8 min	15	
1500	800	ECG2302	---	HV, Horiz Output/Damper Diode, t_f = .7 μs (max)	5	120	8 min	3	
1500	800	ECG2324	---	HV, Horiz Output, Sw, t_f = .2 μs (max)	8	150	8 min	---	
1500	800	ECG2354	---	Horiz Out, HV, Sw, t_f = .2 μs (max)	10	150	8 min	---	
1500	800	ECG2331	---	HV, Horiz Output/Damper Diode, Sw, t_f = .3 μs (max)	6	60	8 min	---	TO-3PM Fig. T48-3
1500	800	ECG2353	---	HV, Horiz Output/Damper Diode, Sw, t_f = .3 μs (max)	10	70	8 min	---	
60	60	ECG152	ECG153	Gen Purp, Pwr Amp	7	50	60 typ	10	TO-220 Fig. T41
65	65	ECG235	---	RF Pwr Output	3 peak	12	40 min	200 min	
70	70	ECG236	---	RF Pwr Output	8 peak	25	20 min	100	
80	80	ECG241	ECG242	Gen Purp, Pwr Amp	4	60	25 min	2	
80	80	ECG377	ECG378	Hi Speed Sw, Amp, t_f = .14 μs (typ)	10	50	60 min	50	
90	80	ECG196	ECG197	Gen Purp, Pwr Amp	7	50	20 min	.8	
100	80	ECG56	---	Gen Purp Amp, Sw, Series Pass, t_f = 1.3 μs (typ)	3	30	500 min	15	
100	100	ECG331	ECG332	Gen Purp	15	90	40 typ	3 min	
130	120	ECG291	ECG292	Gen Purp, Pwr Amp	4	40	75 typ	4 min	
150	150	ECG54	ECG55	Gen Purp, Pwr Amp	8	50	100 typ	85	
200	150	ECG375	ECG398	Gen Purp Linear, Vert	3/2	25	150 typ	8	
300	300	ECG376	---	Gen Purp	.15	15	100 typ	80	
500	500	ECG198	---	HV Amp, Sw, t_{off} = 2 μs (typ)	1	40	80 typ	20	
700	400	ECG51	---	HV, Hi Speed Sw, t_f = .7 μs (typ)	4	75	25 typ	4 min	
700	400	ECG2312	---	HV, Hi Speed Sw, t_f = .7 μs (typ)	8	80	5 min	4 min	
700	400	ECG379	---	Horiz Sw, t_f = .7 μs (typ)	12	100	20 typ	4 min	
900	800	ECG2325	---	HV, Hi Speed Sw, t_f = .7 μs (typ)	3	50	10 min	15	
1000	450	ECG2313	---	HV, Hi Speed Sw, t_f = .4 μs (typ)	2	40	50 typ	20 typ	
1000	450	ECG2333	---	HV, Hi Speed Sw, t_f = .8 μs (max)	8	125	10	---	
1500	750	ECG2303	---	Horiz Sw, t_f = .65 μs (typ)	2.5	65	4	4	



Collector to Heat Sink







Package Outlines - See Page 1-78

Silicon Power Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. PD (W)	Current Gain hFE	Freq in MHz ft	Package Case/Basing
BVCBO	BVCEO	NPN	PNP						
900	500	ECG2337	---	HV, Hi Speed Sw, t_f = .3 μs (max)	7	40	8	---	TO-220J Fig. T41-1 
1000	800	ECG2339	---	HV, Hi Speed Sw, t_f = .3 μs (max)	3	40	8	---	
100	80	ECG182	ECG183	Hi Speed Sw, Amp, t_f = .4 μs (typ)	10	90	30	2	TO-127 Fig. T46  METAL CONTACT CONNECTS TO COLLECTOR
75	40	ECG295	---	RF Output Driver	1	5	20 min	150 min	TO-126 Fig. T45
80	80	ECG184	ECG185	Hi Speed Sw, Amp, t_f = .34 μs (typ)	4	40	30 min	2	
180	160	ECG373	ECG374	Gen Purp, Pwr Amp	1.5	1 T_A 25°C 20 T_C 25°C	100 typ	140	
300	300	ECG157	ECG39	Gen Purp, HV Amp	.5	20.8	30 min	10	
1000	450	ECG2327	---	HV, Hi Speed Sw, t_f = .4 μs (typ)	.5	20	50 typ	20	
300	300	ECG2501	ECG2502	Hi Freq, Video Output	.1	7	100 min	150	TO-126M Fig. T69 
30	25	ECG2504	---	Gen Purp, Hi Gain Amp, Sw, t_f = .1 μs (typ)	2	1.2	1500 typ	260	TO-126M Fig. T67 
50	40	ECG300	ECG307	Gen Purp	1.5	7	90 min	70	TO-202 Fig. T38 
70	60	ECG186	ECG187	Hi Speed Sw, t_f = .075 μs (typ)	3	12.5	80 typ	50	
90	75	ECG210	ECG211	Hi Speed Sw, t_f = .05 μs (typ)	1	6.25	120 min	200	
125	100	ECG49	ECG50	Gen Purp, Pwr Amp	2	10	100 typ	150	
300	300	ECG171	---	Gen Purp, Amp, Video	.5	10	40 typ	75	
36	18	ECG78	---	RF Amp, CB	.6	5	5 min	---	TO-202M Fig. T39 
36	18	ECG79	---	RF Amp, CB	2	10	5 min	---	
50	50	ECG186A	ECG187A	Gen Purp, Pwr Amp	3	10	80 min	150	
450	350	ECG228A	---	Gen Purp, Linear Amp	1	10	40 typ	15	

ECG	1	2	3
49	E	B	C
50	E	B	C
186 187	B	C	E
300 307	C	B	E
171 210 211	E	B	C

ECG	1	2	3	TAB
78	B	C	E	C
79	B	C	E	C
186A	B	C	E	C
187A	B	C	E	C
228A	E	B	C	C

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Package Outlines - See Page 1-78

Silicon Power Transistors (cont'd)

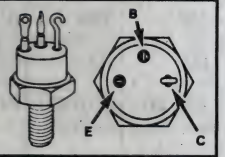
Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain hFE	Freq in MHz ft	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
100	50	**ECG302**	---	RF Driver, Pwr Amp	1.5 peak	8	200 min	80	**TO-202J** Fig. T37
100	50	**ECG306**	---	RF Driver, Pwr Amp	1.5 peak	8	200 min	80	
80	80	**ECG188**	**ECG189**	Gen Purp, Pwr Amp	2	10	80 typ	50	**TO-202N** Fig. T36
180	180	**ECG190**	---	Gen Purp, Pwr Amp, Horiz Driver	1	10	40 min	100	
300	300	**ECG191**	**ECG240**	Gen Purp, HV Amp, Video	.5	10	40 typ	60	
150	90	**ECG71**	---	Hi Current Amp, Fast Sw	20	200	20 min	20	**TO-63** Fig. T35
180	150	**ECG70**	---	HV Pwr Amp, Sw	50	250	30 min	30 min	
120	100	**ECG72**	---	Hi Current Amp, Fast Sw, Isolated Stud	10	115	30 min	30	**TO-61** Fig. T33
100	100	**ECG96**	---	HV Amp, Sw	7	60	60 min	30 min	**TO-59** (Isolated) Fig. T31
250	250	**ECG95**	---	HV Amp, Sw	3	70	90 min	40	
100	100	**ECG74**	---	Gen Purp Amp, Sw	7	60	60 min	30	**TO-59** Fig. T32
100	80	**ECG75**	---	Hi Pwr Amp, Sw	5	50	40 min	50 min	**TO-111** Fig. T30

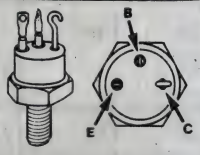
ECG	1	2	3
302	E	B	C
306	B	C	E

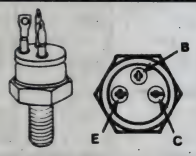




TAB CONNECTED TO COLLECTOR

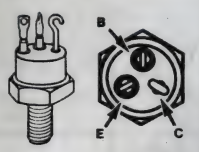








COLLECTOR TO STUD



Package Outlines - See Page 1-78

Silicon Small Signal Transistors (By Case Style and Increasing BVCBO) Maximum Ratings at $T_C = 25°C$

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package Case/Basing
BVCBO	BVCEO	NPN	PNP						
40	20	ECG346	---	Gen Purp-Hi Freq, Driver	.4	1	10 min	500	TO-39 Fig. T6
40	30	ECG278	---	Gen Purp-Hi Freq, Amp	.4	3.5	30 min	1200 min	
50	30	ECG77	---	CATV Broadband Amp	.4	3.5	30 min	1800	
55	30	ECG311	---	Gen Purp-Hi Freq	.4	5	25 min	800 min	
60	30	ECG123	---	Gen Purp, Amp, Driver	.8	.8	150 typ	250	
60	30	ECG329	---	RF Pwr Amp	1.5 peak	5	---	---	
70	70	ECG195A	---	RF Pwr Amp, Driver	1.5	8	30 min	150	
120/90	80	ECG128	ECG129	Gen Purp	1	1	90 min	120	
120	80	ECG2347	---	Hi Current, Sw $t_f = .3\ \mu s$ (typ)	4	1	40 min	50	
120	100	ECG324	ECG323	Gen Purp	2	1	50 min	30	
300	300	ECG154	---	HV Gen Purp, Amp	.5	1 T_A 25°C	60 typ	40	
450/350	350/300	ECG396	ECG397	HV Pwr Amp, Sw	1	10	60 typ	15 min	
35	15	---	ECG106	Gen Purp-Hi Freq, Amp	75 mA	.25	20 min	500	TO-18 Fig. T2
75	40	ECG123A	---	Gen Purp, Amp, Sw	.8	.5	200 typ	300	
30	15	ECG316	---	UHF Amp, Lo Noise	50 mA	.2	25 min	1400	TO-72 Fig. T4
30	25	---	ECG395	UHF/VHF Amp	50 mA	.36	25 min	2.3 GHz	
45	45	ECG161	---	Gen Purp-Hi Freq, Amp	50 mA	.18	60 typ	800	
36	18	ECG340	---	Gen Purp, RF Pwr	.5	.75	70 typ	---	T-16 Fig. T20
60	50	ECG293	ECG294	Gen Purp, Pwr Amp	1	1 H Sink .75 T_A 25°C	120 min	200	
80	80	ECG297	ECG298	Gen Purp, Pwr Amp	1 peak	.75	130 min	120	
300	300	ECG399	---	Video Output, Horiz Dr	.1	.9	100 min	50 min	
100	50	ECG315	---	RF Driver	1	.75	200 typ	80	SC-51 Fig. T19
60	50	ECG48	---	Gen Purp Amp-Darlington	1	1	25,000	100 min	TO-92M Fig. T18
60	50	ECG2363	ECG2364	Gen Purp Amp	2	1	200 min	150	
120	100	ECG382	ECG383	Gen Purp	1	.9 $T_A = 25°C$	200 typ	140	
120	120	ECG90	ECG91	HV Hi Gain Amp	50 mA	.75	400 min	150	
160	160	ECG31	ECG32	AF Driver Output	1	.9 $T_A = 15°C$	100 min	15 min	

ECG	1	2	3
31	E	C	B
32	E	C	B
48	E	B	C
90	E	C	B
91	E	C	B
382	E	C	B
383	E	C	B
2363	E	C	B
2364	E	C	B

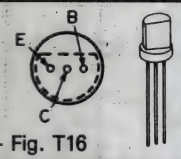
Package Outlines - See Page 1-78

Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BV_{CBO}	BV_{CEO}	NPN	PNP						Case/Basing
25	12	ECG10	---	Lo Noise UHF/VHF Amp (G_{PE} = 10 dB typ)	70 mA	.600	40 min	5 GHz	TO-92• T16
27	18	---	ECG12	Hi Gain, Hi Current Gen Purp	5	.75	180 min	120	
30	14	ECG23	---	Lo Noise, UHF, VHF Amp, RF Amp, HF IF Amp (G_{PE} = 15 dB typ)	50 mA	.25	80	2 GHz	
30	15	ECG108	---	RF/IF Video Amp, Osc	50 mA	.6	20 min	800 min	
30	25	ECG2503	---	Gen Purp Amp, Hi Gain, Sw, t_f = .06 μs (typ)	.7	.6	800 min	270	
30	30	ECG233	---	Gen Purp	.1	.625	45 typ	300	
30	30	---	ECG232	Gen Purp-Darlington	.3	.625	50,000 typ	175	
35	35	ECG69	---	TV UHF/VHF Amp	50 mA	.25	70 typ	800 min	
35	35	ECG107	---	TV UHF/VHF Amp	50 mA	.25	70 typ	800 min	
40	20	ECG11	---	Hi Gain, Hi Current Gen Purp	5	.75	200 min	150	
40	30	ECG319P	---	TV IF Amp, AGC Controlled (Includes Metal Shield)	50 mA	.5	35 typ	300 min	
40	40	ECG172A	---	Gen Purp-Darlington	.3	.4	7,000 min	60	
40	40	ECG229	---	VHF Osc, IF Amp	50 mA	.425	30 min	600	
45	45	ECG47	---	Gen Purp, Hi Gain Amp	.2	.35	500 min	140	
60	50	---	ECG234	Gen Purp, Hi Gain Amp	50 mA	.2	400 typ	80 min	
70	50	ECG199	---	Gen Purp, Hi Gain Amp	.1	.36	400 typ	90 min	
70	70	ECG85	---	Gen Purp Amp, Sw	.4	.6	120 min	200 min	
75/80	40/80	ECG123AP	ECG159	Gen Purp	.6/1.0	.6	200 typ	300/200	
90	80	ECG2341	ECG2342	Darlington Driver, Sw, t_{off} = 1.5 μs (typ)	1	.80	2,000 min	---	
100	80	ECG289A	ECG290A	Gen Purp, Pwr Amp	.5	.5	100 min	120	
100	100	ECG46	---	Gen Purp-Darlington	.5	.625	10,000 min	200	
180	160	ECG194	---	Hi Speed Sw, Amp, t_f = .4 μs (typ)	.6	.35	100 typ	100	
300	300	ECG287	ECG288	HV Gen Purp	.5	.625	40 min	50	• TO-98 Alt. Case - Fig. T15
40	40	ECG172A	---	Gen Purp-Darlington	.3	.4	7,000 min	60	TO-98• Fig. T15
70	50	ECG199	---	Gen Purp, Hi Gain Amp	.1	.36	400	90	• TO-92 Alt. Case - Fig. T16
40	40	---	ECG217	Very Hi Speed Sw, Amp, t_f = 30 ns (max)	1	1	40 min	175	TO-237 Fig. T17
80	50	ECG216	---	Very Hi Speed Sw, Core Driver, t_f = 20 ns (typ)	1.5	1	60 min	300	
100	80	ECG24	ECG25	Gen Purp Amp, Sw	1.25	1	80 min	50	
100/80	80	ECG128P	ECG129P	Gen Purp Amp, Sw	1	1	100 min	100/150	
300	300	ECG227	---	HV Amp, Video Output	.1	1	40 min	50	
325	300	ECG255	---	Horiz Driver, Amp, Sw	1	1	30 min	30 min	



ECG	1	2	3
10	B	E	C
11	E	C	B
12	E	C	B
23	B	E	C
46	E	B	C
47	E	B	C
69	B	E	C
85	E	C	B
107	E	C	B
108	E	B	C
123AP	E	B	C
159	E	B	C
172A	E	C	B
194	E	B	C
199	E	C	B
229	B	E	C
232	E	B	C
233	E	B	C
234	E	C	B
287	E	B	C
288	E	B	C
289A	E	C	B
290A	E	C	B
319P	B	E	C
2341	E	C	B
2342	E	C	B
2503	E	C	B

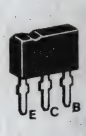
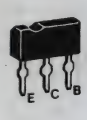




ECG	1	2	3
24	E	C	B
25	E	C	B
128P	E	B	C
129P	E	B	C
216	E	B	C
217	E	B	C
227	E	B	C
255	E	B	C

Package Outlines - See Page 1-78

Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
50	50	ECG2355	ECG2356	Digital w/Base Resistor (10K) Sw, Driver	.1	.3	30 min	250	SP-92 Fig. T13-1* Fig. T13-2 
50	50	ECG2367	ECG2368	Digital w/Base Resistor (4.7K) Sw, Driver	.1	.3	30 min	250	
50	50	ECG2369	ECG2370	Digital w/Base Resistor (4.7/47K) Sw, Driver	.1	.3	30 min	250	
50	50	ECG2357	ECG2358	Digital w/Base Resistor (22K) Sw, Driver	.1	.3	50 min	250	
50	50	ECG2359	ECG2360	Digital w/Base Resistor (47K) Sw, Driver	.1	.3	65 min	250	
60	50	ECG2361*	ECG2362*	Gen Purp Amp, Sw, t_f = .1 μs (typ)	.5	.300	200 typ	200	
120	120	ECG26*	---	Audio Amp, Lo Noise	50 mA	.3 T_A = 25°C	300 min	100	
25	20	ECG13	---	Hi Gain, Gen Purp Amp	.5	.6	400 min	200	M-71 Fig. T20-3 
30	25	ECG2505	---	Gen Purp Amp, Hi Gain, Sw, t_f = .1 μs (typ)	2	1	1000 min	260	
40	32	ECG20	ECG21	AF PO, Driver, Series Pass	2 2.5 peak	1	120 min	100	
50	40	ECG16	ECG17	Gen Purp, Small Sig, Lo Noise	.1	.3	300	180/140	
80	80	ECG18	ECG19	AF Driver, Gen Purp Amp	.7 1 peak	1	120 min	120/100	
100	80	ECG22	---	AF Pwr Output, Driver, Gen Purp Amp	1 2 peak	1	120 min	100	
30	18	ECG15	---	VHF Amp, Mixer, Osc, UHF Osc	50 mA	.3	40 min	600 min	M-68 Fig. T20-2 
80	80	---	ECG14	Gen Purp AF Amp, Driver	.7	.75	120 min	100	
20	15	ECG2402	ECG2403	Lo Noise, UHF/VHF Amp ECG2402 (G_{PE} = 15 dB Typ) ECG2403 (G_{PE} = 18 dB Typ)	25 mA	.200	40/20 min	5 GHz	SOT-23 Fig. T20-4 
30	30	---	ECG2401	RF Amp, Osc, Mixer, VHF/FM	25 mA	.300	---	450 typ	
40	30	ECG2404	ECG2405	Darlington, Preamp Dr, Gen Purp Amp	.300	.350	4,000 min	220	
50	50	ECG2414	ECG2415	Digital w/Base Resistor (10K) Sw, Driver	.100	.200	30 min	250	
50	50	ECG2416	ECG2417	Digital w/Base Resistor (22K) Sw, Driver	.100	.200	50 min	250	
50	50	ECG2418	ECG2419	Digital w/Base Resistor (47K) Sw, Driver	.100	.200	65 min	250	
75/60	40/60	ECG2406	ECG2407	AF/RF Amp, Driver, Sw	.800/ .600	.425	100 min	300/200	
80	65	ECG2408	ECG2409	Lo Noise, AF/RF, Gen Purp Amp	.100	.200	300/350 typ	300/150	
180/160	160/150	ECG2410	ECG2411	Gen Purp, HV, Dr, Amp	.600	.350	80/60 min	300	
300	300 (CER)	ECG2412	ECG2413	Gen Purp, HV Amp	50 mA	.310	50 min	60	

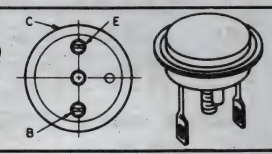
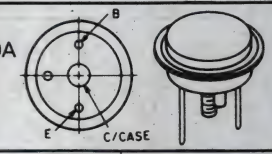
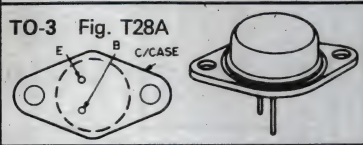
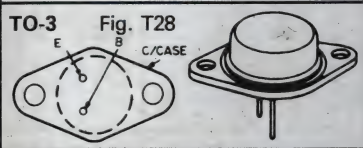
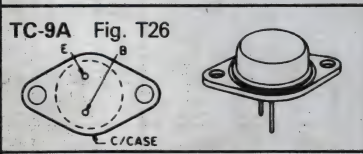
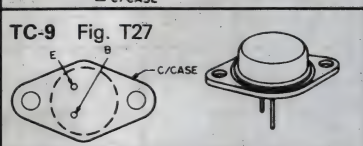
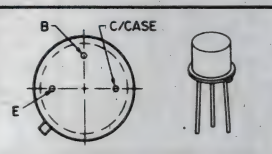
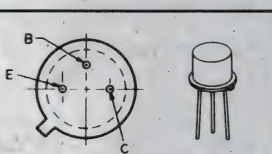
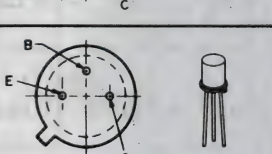
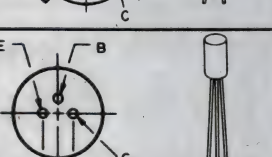
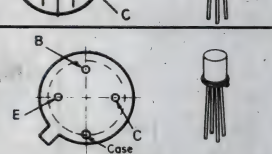
Package Outlines - See Page 1-78

Silicon Small Signal Transistors (cont'd)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. PD (W)	Current Gain hFE	Freq in MHz ft	Package
BVCBO	BVCEO	NPN	PNP						Case/Basing
90	80 (CER)	ECG2426	ECG2427	Darlington Driver, Sw	.500	1	2,000 min	---	SOT-89 Fig. T20-5
90	80	ECG2428	ECG2429	Gen Purp Amp, Sw	1	1	100 min	100	
400/350	350/300	ECG2430	ECG2431	HV, Gen Purp Amp	1	1	40/30 min	70/15	
70	70	ECG192	ECG193	Gen Purp, Pwr Amp	1	1 T_C 25°C	150 typ	120 min	TO-92HS Fig. T21
70	70	---	ECG193A	Gen Purp, Pwr Amp	.5	.6	120 min	120	T16HS Fig. T22
75/60	40	ECG81	ECG82	Dual VHF Amp, Sw	.6	.6 total T_A=25°C 2 total T_C=25°C	100 min	250	TO-78 Fig. T12
50	50	ECG42	ECG43	Dual Diff. Amp, Common Emitter	.1	.2 unit .4 total	400 min	100	SIP-5 Fig. T20-1
100	100	ECG40	ECG41	Dual Diff. Amp, Common Emitter	50 mA	.2 unit .4 total	400 min	150	
100	100	ECG44	ECG45	Dual Bias Amp, Common Base	.1	.2 unit .4 total	400 min	100	
60	30	ECG2320		Quad Discrete, Compl Pair, Sw, t_{on}=30 ns, t_{off}=225 ns (typ)	.5	1 unit 3 total	100 min	350	14-Pin DIP Fig. T66
60	40	ECG2321	---	Quad Gen Purp Amp, Sw, t_{on}=25 ns, t_{off}=250 ns (typ)	.5	.65 unit 1.9 total	100 min	350	
60	40	---	ECG2322	Quad Gen Purp Amp, Sw, t_{on}=30 ns, t_{off}=225 ns (typ)	.5	.65 unit 1.9 total	100 min	350	
200	200	ECG2323	---	Quad HV Amp, Driver	.5	.75 unit 1.7 total	60	80	
30	30	ECG313	---	RF Amp	20 mA	.15	25 min	400 min	RF-15 Fig. T49
20	12	ECG63	---	UHF/Microwave Amp/ Mixer	40 mA	.400	40	5 GHz typ	RF-19A Fig. T49-3
25	15	ECG64	---	UHF/Microwave Amp/Hi Speed Sw	30 mA	.350	60	4.5 GHz typ	
20	15	ECG65	---	UHF/Microwave Amp, CATV, MATV	25 mA	.180	30 typ	5 GHz typ	RF-19 Fig. T49-2
50	30	ECG76	---	CATV Broadband Amp	.4	5	30 min	1800	TO-117 Fig. T50

Package Outlines - See Page 1-78

Germanium Transistors (Maximum Ratings at $T_C = 25°C$ Unless Otherwise Noted)

Breakdown Voltage		Type		Application	Collector Current I_C (A)	Collector Diss. P_D (W)	Current Gain h_{FE}	Freq in MHz f_t	Package Case/Fig./Basing
BV_{CBO}	BV_{CEO}	NPN	PNP						
40	40	---	ECG330	Gen Purp, Pwr Amp	25	170	12 typ	---	TO-36 Fig. T29 
50	35	---	ECG105	Gen Purp, Pwr Amp	15	100	90 typ	10 kHz	
75	65	---	ECG213	Gen Purp, Pwr Amp	30	170	80 typ	0.27	
60	45	---	ECG28	High Current Gen Purp Amp	60	170	120 typ	2 kHz	TO-68 Fig. T29A 
60	45	---	ECG27	High Current Gen Purp Amp	60	170	120 typ	2 kHz	TO-3 Fig. T28A 
50	35	---	ECG104	Gen Purp, Pwr Amp	7	90	90 typ	10 kHz	TO-3 Fig. T28 
65	45	---	ECG121	Gen Purp, Pwr Amp	7	30	80 typ	22 kHz	
90	90	---	ECG179	Gen Purp, Pwr Amp	25	106	55 typ	0.35 min	
350	350	---	ECG127	Horiz Switch, PO	10	40	15 min	1	
35	35	---	ECG226	Gen Purp, Pwr Amp	2	12	125 typ	0.45	TC-9A Fig. T26 
32	20	ECG155	ECG131	Gen Purp, Pwr Amp	3 peak	6 TC 63°C	110 typ	1	TC-9 Fig. T27 
25	25	---	ECG176	Gen Purp, Pwr Amp	2	6	110 typ	0.7	TO-39 Fig. T6 
25	20	ECG101	ECG100	Gen Purp	0.3	0.15 ($T_A = 25°C$)	40 typ	5	TO-5 Fig. T5 
30	16	ECG103	ECG102	Gen Purp	0.3	0.15 ($T_A = 25°C$)	90 typ	2	
25	25	---	ECG126A	Gen Purp	10 mA	0.2 ($T_A = 25°C$)	60 typ	250	TO-18 Fig. T2 
32	32	ECG103A	ECG102A	Gen Purp	0.5	0.9	120 typ	2.3	TO-1 Fig. T1 
32	32	---	ECG158	Gen Purp, Pwr Amp	1	1.6	90 typ	1.5	
30	20	---	ECG160	Gen Purp	0.01	0.2 ($T_A = 25°C$)	20 typ	400	TO-72 Fig. T4 

Package Outlines - See Page 1-78

RF Transistor Selector Guide

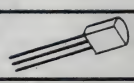
Amateur 13-30 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package Fig. No.	Package Case
ECG318	NPN-Si, PO	50	1.6	12.5	30	T58	RF-50F 
ECG325	NPN-Si, PO	50	4	13.6	30	T53	RF-38S 
ECG333	NPN-Si, PO	60	3	12.5	30	T57	RF-38F 
ECG334	NPN-Si, PO	60	3	12.5	30	T53	RF-38S 
ECG317	NPN-Si, PO	70	3	12.5	30	T58	RF-50F 
ECG335	NPN-Si, PO	80	5	12.5	30	T58	
ECG336	NPN-Si, PO	80	5	12.5	30	T54	RF-50S10 
ECG470	NPN-Si, PO	100	6.3	12.5	30	T58	RF-50F 
ECG471	NPN-Si, PO	100	3.2	28	30	T58	

Low Band FM 27-50 MHz

ECG337	NPN-Si, Driver	8	.8	12.5	50	T53	RF-38S 
ECG338	NPN-Si, Driver/PO	20	3.2	12.5	50	T53	
ECG338F	NPN-Si, Driver/PO	20	3.2	12.5	50	T57	RF-38F 
ECG339	NPN-Si, PO	40	7	12.5	50	T54	RF-50S10 

VHF Marine FM 156-162 MHz

ECG340	NPN-Si, Driver/PO	0.6	.05	13.5	175	T20	T-16 
ECG341	NPN-Si, Driver/PO	4	.25	12.5	175	T7	TO-39EC* 
ECG488	NPN-Si, Driver/PO	4	.25	13.5	175	T9	TO-39EG* 
ECG342	NPN-Si, PO	7	.6	13.5	175	T42	TO-220EC* 
ECG343	NPN-Si, PO	14	2.5	13.5	175	T42	
ECG344	NPN-Si, PO	30	6	13.5	175	T59	RF-28F6 
ECG345	NPN-Si, PO	30	3.8	13.6	160	T53	RF-38S 

VHF AM 108-175 MHz

ECG311	NPN-Si, Predriver, Driver, PO	1	0.1	28	175	T6	TO-39 
ECG357	NPN-Si, Driver/PO	7	1.0	28	175	T51	RF-38SM 
ECG359	NPN-Si, Driver/PO	20	3	28	175	T53	RF-38S 
ECG360	NPN-Si, Driver/PO	40	7	28	175	T53	

* - Emitter to Case

Package Outlines - See Page 1-78

High Band VHF FM 136-174 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package	
						Fig. No.	Case
ECG346	NPN-Si, Predriver, Driver	1	0.1	12.0	175	T6	TO-39
ECG487	NPN-Si, Driver/PO	1	0.1	12.5	175	T8	TO-39A
ECG472	NPN-Si, Driver/PO	1.8	0.12	12.5	175	T6	TO-39
ECG473	NPN-Si, Driver/PO	2.2	0.5	15	175	T6	
ECG347	NPN-Si, Driver/PO	3	0.5	13.6	175	T51	RF-38SM
ECG474	NPN-Si, Driver/PO	3	0.3	12.5	175	T40	TO-202EC*
ECG341	NPN-Si, Driver/PO	4	0.25	12.5	175	T7	TO-39EC*
ECG488	NPN-Si, Driver/PO	4	0.25	13.5	175	T9	TO-39EG*
ECG348	NPN-Si, Driver/PO	4	0.25	12.5	175	T53	RF-38S
ECG475	NPN-Si, Driver/PO	7	2	13.6	175	T56	TO-60
ECG349	NPN-Si, Driver/PO	10	3	13.6	175	T53	RF-38S
ECG476	NPN-Si, Driver/PO	12	4	13.6	175	T56	TO-60
ECG350	NPN-Si, Driver/PO	15	3.8	12.5	175	T53	RF-38S
ECG350F	NPN-Si, Driver/PO	15	3.8	12.5	175	T57	RF-38F
ECG351	NPN-Si, Driver/PO	25	6	12.5	175	T53	RF-38S
ECG345	NPN-Si, Driver/PO	30	3.8	13.6	160	T53	
ECG320	NPN-Si, PO	40	14	12.5	175	T55	RF-50SS
ECG320F	NPN-Si, PO	40	14	12.5	175	T57	RF-38F
ECG477	NPN-Si, PO	45	10	12.5	175	T60	RF-50F6
ECG352	NPN-Si, PO	80	18	12.5	175	T60	
ECG478	NPN-Si, PO	100	25	12.5	175	T60	
ECG353	PNP-Si, PO	4	0.25	12.5	175	T57	RF-38F
ECG354	PNP-Si, PO	15	3.8	12.5	175	T57	
ECG355	PNP-Si, PO	30	8	12.5	175	T57	
ECG356	PNP-Si, PO	40	14	12.5	175	T57	

DISCONTINUED

* - Emitter to Case

Package Outlines - See Page 1-78

UHF FM 407-512 MHz

ECG Type	Description and Application	Output Power Watts Pout	Input Power Watts Pin	Supply Voltage Vcc	Test Freq MHz	Package Fig. No.	Package Case
ECG486	NPN-Si, Multi, Driver	.75	.12	12.5	470	T6	TO-39
ECG479	NPN-Si, Driver/PO	1.8	.1	12.5	470	T6	
ECG361	NPN-Si, Driver/PO	2	.32	12.5	470	T7	TO-39EC*
ECG362	NPN-Si, Driver/PO	2	0.25	12.5	470	T52	RF-28S
ECG363	NPN-Si, Driver/PO	4	0.63	12.5	470	T52	
ECG364	NPN-Si, Driver/PO	10	2.5	12.5	470	T52	
ECG365	NPN-Si, Driver/PO	15	3.0	12.5	470	T60	RF-50F6
ECG366	NPN-Si, Driver/PO	25	6	12.5	470	T60	
ECG480	NPN-Si, PO	40	9	12.5	470	T60	
ECG367	NPN-Si, PO	45	15	12.5	470	T60	
ECG368	NPN-Si, PO	60	22	12.5	470	T60	

UHF FM 806-870 MHz

ECG481	NPN-Si, PO	6	.95	12.5	836	T61	RF-38F6B
ECG482	NPN-Si, PO	15	4.5	12.5	836	T63	RF-23F6E
ECG483	NPN-Si, PO	18	4.5	12.5	836	T61	RF-38F6B
ECG484	NPN-Si, PO	25	8	12.5	836	T61	
ECG485	NPN-Si, PO	25	7	12.5	836	T62	RF-23F6

* - Emitter to Case

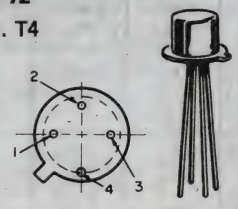
Package Outlines - See Page 1-78

TV Tuner Transistor Selector Guide

The following Selector Guide has been prepared to aid in the servicing of UHF and VHF TV tuners. These tuners have been classified into two types: the Varactor (electronically tuned tuners) and the Mechanical tuners (individually tuned coils for each TV channel). A wide variety of tuner circuit designs are used, many of which require special transistor characteristics. To simplify the selection of a replacement transistor, follow these steps:

1. Determine tuner type and stage to the Selector Guide that matches the one being repaired.
2. Determine the polarity (NPN, PNP, N-Ch) - **ALL** replacements are NPN unless otherwise listed in this guide.
3. Select the proper basing required for the device.
4. Select the case style of the transistor.

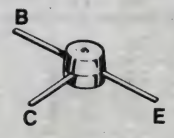
TO-72
Fig. T4



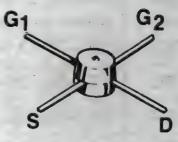
TO-92
Fig. T16



RF-15
Fig. T49



RF-15A
Fig. T49-1



Varactor Tuners (Electronic Color TV Tuners) UHF/VHF Tuners

R.F. Stage

UHF

ECG454 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-92)
ECG455 - G_2G_1SD (FET, N-Ch, RF-15A)

VHF

ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-72)
ECG454 - DG_2G_1S, Case (FET, N-Ch, TO-72)

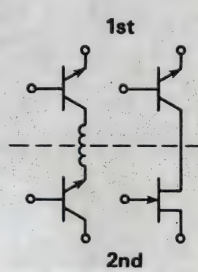
Single Mixer Stage

ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)
ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)

UHF Diode Mixer

ECG112

Dual Mixers



1st ECG229 - BEC (TO-92)
2nd ECG107 - ECB (TO-92)
2nd ECG229 - BEC (TO-92)
2nd ECG312 - GSD (TO-92) (FET, N-Ch, D & S Interchangeable)

OSC Stage

ECG107 - ECB (TO-92)
ECG69 - BEC (TO-92)
ECG395 - EBC Case (PNP, TO-72)

Tuning Diodes

(4 Matched)

ECG616

IF Amp Stage

(Located in Tuner)

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)

Switching Diodes

ECG553
ECG555

Package Outlines - See Page 1-78

Mechanical Tuners (Black and White/Color TV)
UHF Tuners (No RF Stage)

Oscillator Stage	Mixer Diode	AFC Diode
ECG313 - ECB (RF-15) **ECG107** - ECB (TO-92) **ECG108** - EBC (TO-92) **ECG69** - BEC (TO-92) **ECG395** - EBC Case (PNP, TO-72)	**ECG112**	**ECG612 (Typ)**

C

UHF Tuners (With RF Stage)

RF Stage	Mixer Stage	OSC Stage
ECG455 - G_2G_1SD (FET, N-Ch, RF-15A) **ECG395** - EBC Case (PNP, TO-72)	**ECG222** - DG_2G_1S, Case (FET, N-Ch, TO-72) **ECG107** - ECB (TO-92) **ECG69** - BEC (TO-92)	**ECG107** - ECB (TO-92) **ECG69** - BEC (TO-92)

VHF Tuners

R.F. Stage

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG69 - BEC (TO-92)
ECG161 - EBC Case (TO-72)
ECG395 - EBC Case (PNP, TO-72)
ECG313 - ECB (RF-15)
ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)

IF Amp Stage

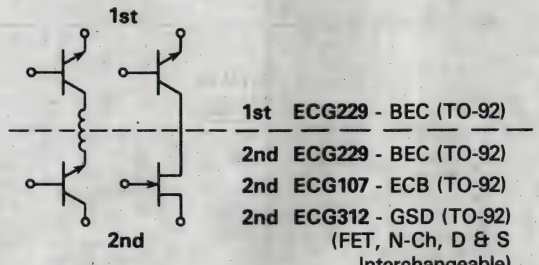
(Located in Tuner)

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)

Single Mixer Stage

ECG107 - ECB (TO-92)
ECG161 - EBC Case (TO-92)
ECG229 - BEC (TO-92)
ECG313 - ECB (RF-15)
ECG222 - DG_2G_1S, Case (FET, N-Ch, TO-72)

Dual Mixers



1st ECG229 - BEC (TO-92)
2nd ECG229 - BEC (TO-92)
2nd ECG107 - ECB (TO-92)
2nd ECG312 - GSD (TO-92) (FET, N-Ch, D & S Interchangeable)

OSC Stage

ECG107 - ECB (TO-92)
ECG108 - EBC (TO-92)
ECG161 - EBC Case (TO-72)
ECG229 - BEC (TO-92)
ECG69 - BEC (TO-92)
ECG313 - ECB (RF-15)

AFC Diode

ECG613 (Typ)

Package Outlines - See Page 1-78

Notes:

ECG108 - **NOT** for use in oscillator stage of Varactor tuners as varactor diodes load down the oscillator output.

ECG319P - Use for AGC controlled IF's, **NOT** good for 3rd VIF.

ECG229 - Use in last VIF stage.

ECG233 - Black and White only, use in 3rd or last VIF stage.

Transistor Outlines

Fig. T1
TO-1

ECG
102A
103A
158

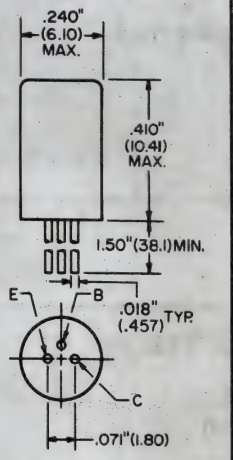


Fig. T2
TO-18

ECG	1	2	3
106	E	B	C
123A*	E	B	C
126A	E	B	C
462	S	G	D
466	S	D	G

*Collector to Case

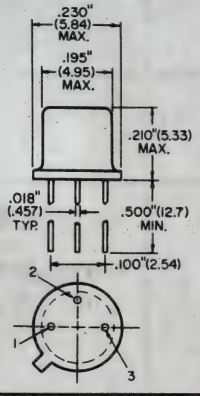
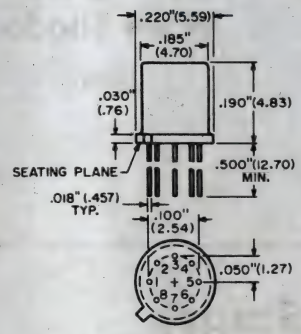


Fig. T3
TO-71

ECG
461



1. S1
2. D1
3. G1
4. Blank
5. S2
6. D2
7. G2
8. Blank

Fig. T4
TO-72

ECG	1	2	3	4
160	E	B	C	CASE
161	E	B	C	CASE
220	D	S	G	CASE
221	D	G2	G1	S, CASE
222	D	G2	G1	S, CASE
316	E	B	C	CASE
395	E	B	C	CASE
452	S	D	G	CASE
454	D	G2	G1	S, CASE
456	D	S	G	CASE
459*	S	D	G	CASE
460	S	G	D	CASE
464	S	G	D	S, CASE
465	S	G	D	CASE

* D & S Interchangeable

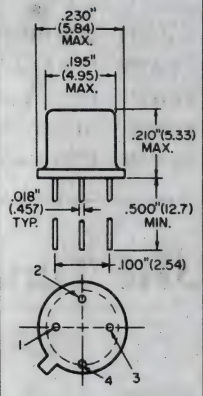


Fig. T5
TO-5

ECG
100
101
102
103

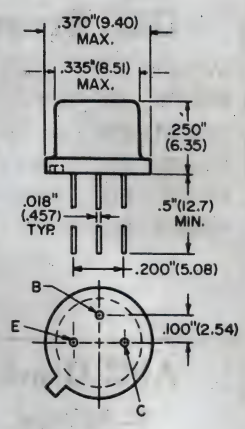


Fig. T6
TO-39

ECG

77	**324**
123	**329**
128	**346**
129	**396**
154	**397**
176	**472**
195A	**473**
278	**479**
311	**486**
323	**2347**

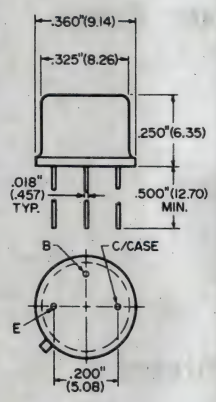


Fig. T7
TO-39EC

ECG
341
361

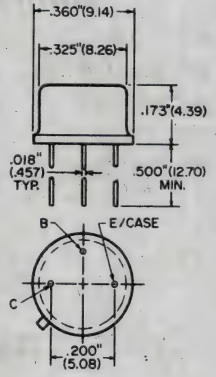
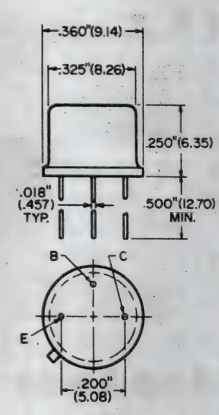


Fig. T8
TO-39A

ECG
487



Note: All leads electrically isolated from case.

Fig. T9
TO-39EG

ECG
488

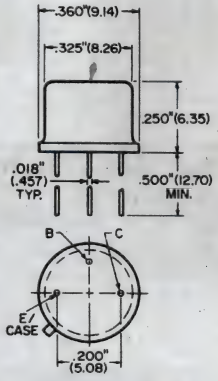
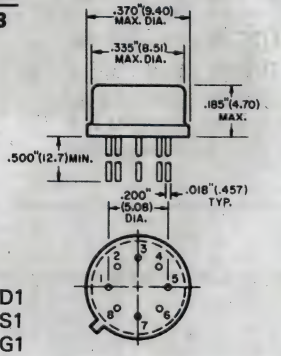


Fig. T10
TO-99

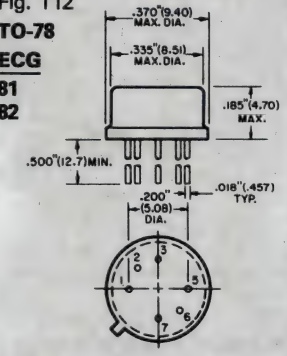
ECG
463



1. D1
2. S1
3. G1
4. Base, Case
5. G2
6. S2
7. D2
8. NC

Fig. T12
TO-78

ECG
81
82



1. Collector 1
2. Base 1
3. Emitter 1
5. Emitter 2
6. Base 2
7. Collector 2

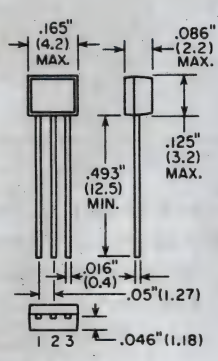
Note: All leads electrically isolated from case

Fig. T13-1
SP-92

ECG
26
453•*
2361
2362

•Alternate Fig. T16

1. Emitter
2. Collector
3. Base



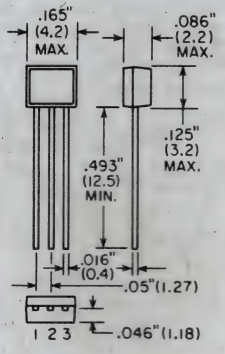
*1. D
2. S
3. G

Transistor Outlines (cont'd)

Fig. T13-2

SP-92

ECG
2355
2356
2357
2358
2359
2360
2367
2368
2369
2370



1. GND
2. OUT
3. IN

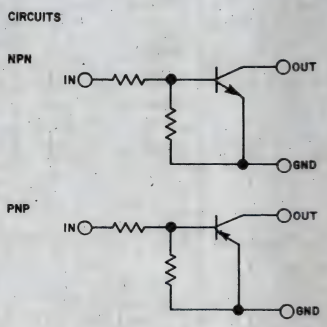


Fig. T15 • Alternate Fig. T16

TO-98

ECG
172A•
199•

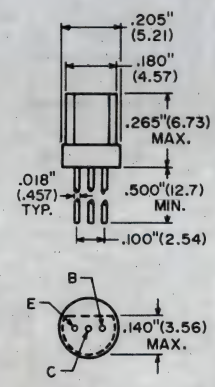


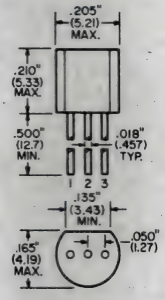
Fig. T16

TO-92

ECG	1	2	3
10	B	E	C
11	E	C	B
12	E	C	B
23	B	E	C
46	E	B	C
47	E	B	C
69	B	E	C
85	E	C	B
107	E	C	B
108	E	B	C
123AP	E	B	C
159	E	B	C
172A■	E	C	B

ECG	1	2	3
194	E	B	C
199■	E	C	B
229	B	E	C
232	E	B	C
233	E	B	C
234	E	C	B
287	E	B	C
288	E	B	C
289A	E	C	B
290A	E	C	B
312*	G	S	D
319P	B	E	C
326*	S	D	G

ECG	1	2	3
451	D	S	G
453•	D	S	G
457*	D	S	G
458	D	G	S
467	D	S	G
468	D	S	G
469	D	S	G
489	D	G	S
490	D	G	S
2341	E	C	B
2342	E	C	B
2503	E	C	B

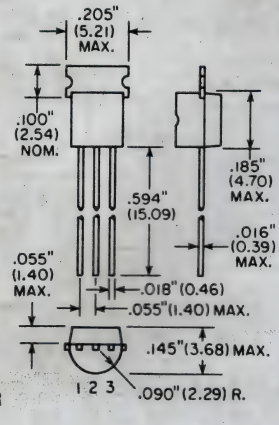


• Alternate Fig. T13-1
■ Alternate Fig. T15
* D & S Interchangeable

Fig. T17

TO-237

ECG
24*
25*
128P
129P
216
217
227
255



1. EMITTER
2. BASE
3. COLLECTOR

*1. EMITTER
2. COLLECTOR
3. BASE

Fig. T18

TO-92M

ECG	1	2	3
31	E	C	B
32	E	C	B
48	E	B	C
90	E	C	B
91	E	C	B
382	E	C	B
383	E	C	B
2363	E	C	B
2364	E	C	B

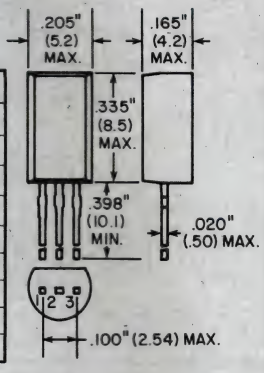


Fig. T19

SC-51

ECG
315

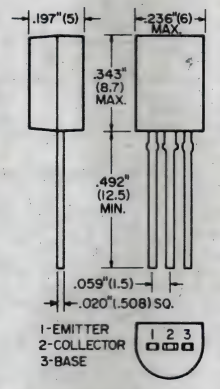


Fig. T20

T-16

ECG
293
294
297
298
340
399

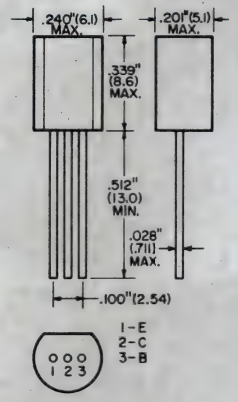


Fig. T20-1

SIP-5

ECG	1	2	3	4	5
40	B	C	E	C	B
41	B	C	E	C	B
42	B	C	E	C	B
43	B	C	E	C	B
44	E	C	B	C	E
45	E	C	B	C	E

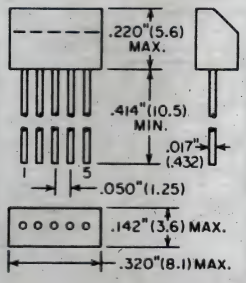


Fig. T20-2

M-68

ECG
14
15

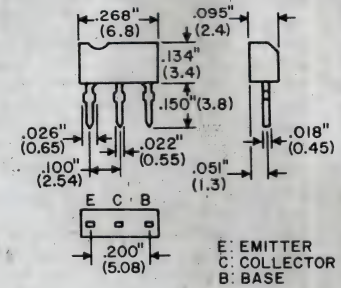
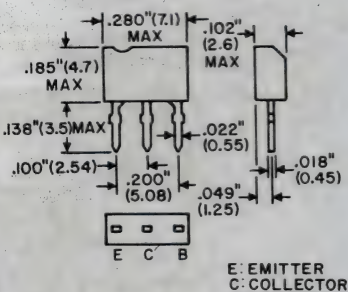


Fig. T20-3

M-71

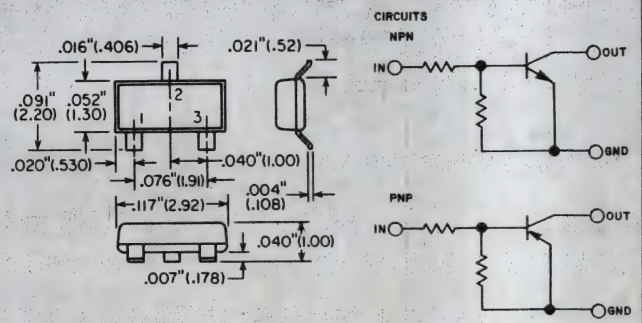
ECG
13
16
17
18
19
20
21
22
2505



Transistor Outlines (cont'd)

Fig. T20-4
SOT-23
ECG

2401	2411
2402	2412
2403	2413
2404	2414*
2405	2415*
2406	2416*
2407	2417*
2408	2418*
2409	2419*
2410	

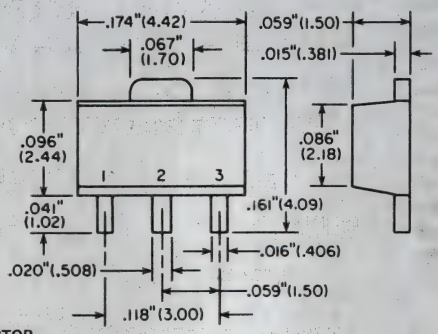


1. BASE
2. COLLECTOR
3. EMITTER

* DIGITAL TRANSISTORS
1. IN
2. OUT
3. GND

Fig. T20-5
SOT-89
ECG

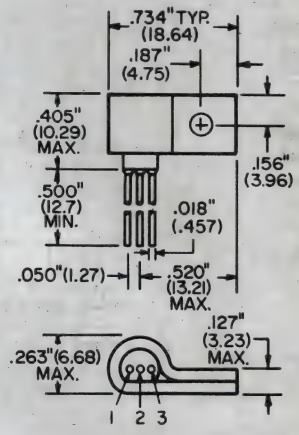
2426
2427
2428
2429
2430
2431



1. BASE
2. COLLECTOR
3. EMITTER

Fig. T21
TO-92HS
ECG

192
193



1 - C
2 - B
3 - E

Fig. T22
T-16HS
ECG

192A
193A

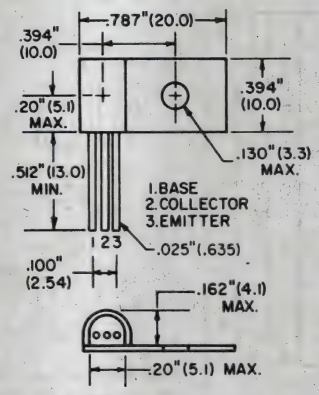


Fig. T23
TO-39F
ECG

224
225

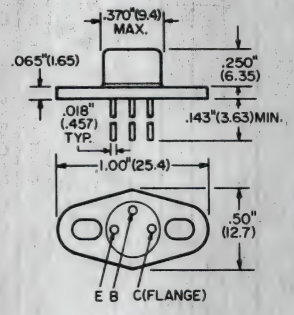


Fig. T24
TO-39HS
ECG

237

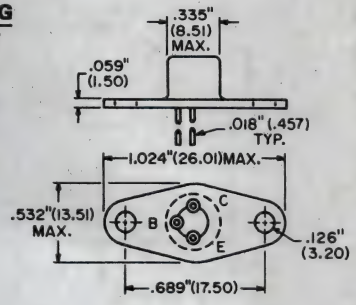


Fig. T25
TO-66
ECG

38	274
124	275
175	286
218	321
	369
	384

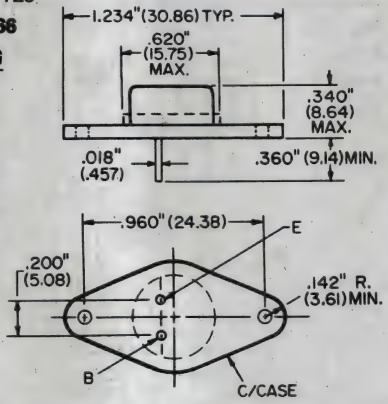


Fig. T26
TC-9A
ECG

226

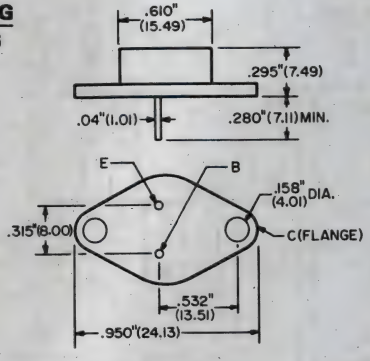


Fig. T27
TC-9
ECG

131
155

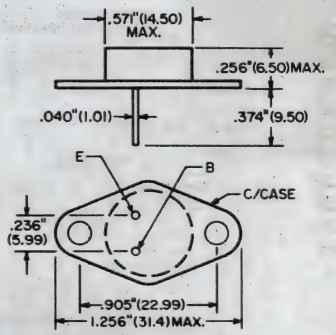
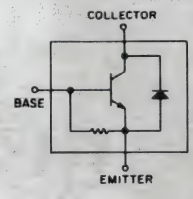
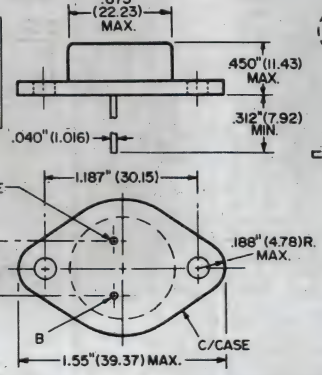


Fig. T28
TO-3
ECG

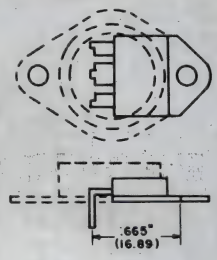
52	162	251
53	163A	252
60	164	280
61	165	281
68	179	283
86	180	284
87	181	285
88	219	327
89*	238	328
94	243	385
97	244	386
98	245	388
99	246	389
104	247	2319
121	248	2384•
127	249	2386•
130	250	2392•

* Internal Circuit for ECG89
$R_{BE} \cong 27\ \Omega$





Mechanical Interchangeability of Plastic Package with TO-3 Case.



• Basing - SGD

Transistor Outlines (cont'd)

Fig. T28A
TO-3
ECG
27
29
30
387
2349
2350

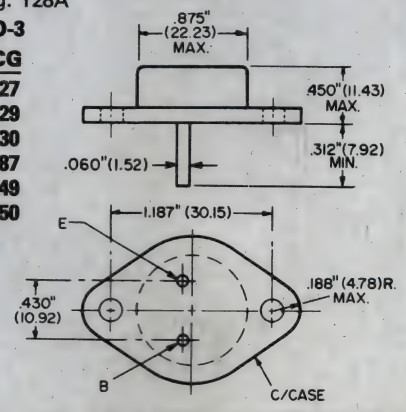
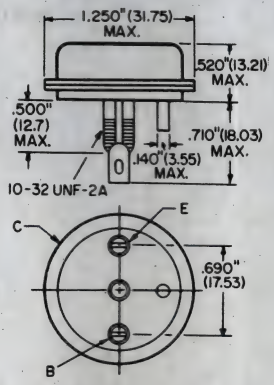


Fig. T29
TO-36
ECG
105
213
330
330W*



* Supplied with Welded-On Wire Leads

Fig. T29A
TO-68
ECG
28

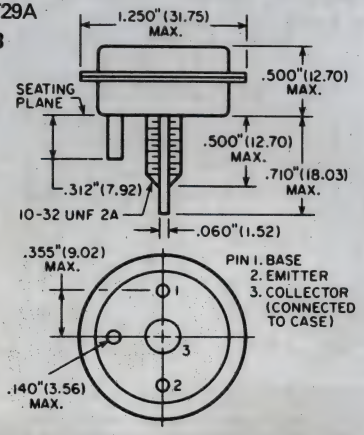


Fig. T30
TO-111
ECG
75

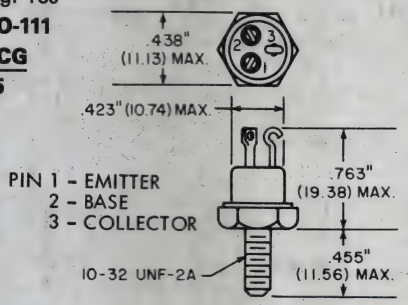


Fig. T31
TO-59
Isolated Stud
ECG
95
96

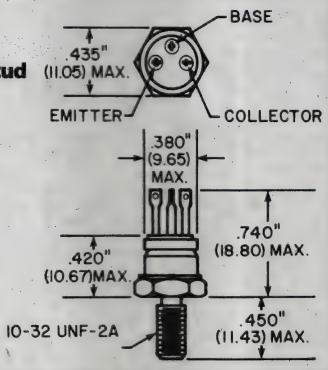


Fig. T32
TO-59
ECG
74

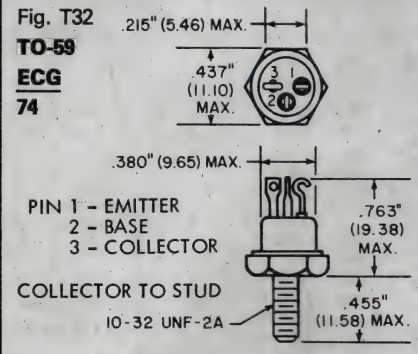


Fig. T33
TO-61
Isolated Stud
ECG
72

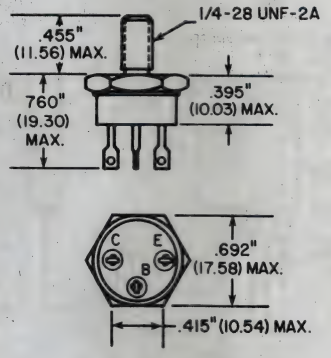


Fig. T34
TO-61
ECG
73

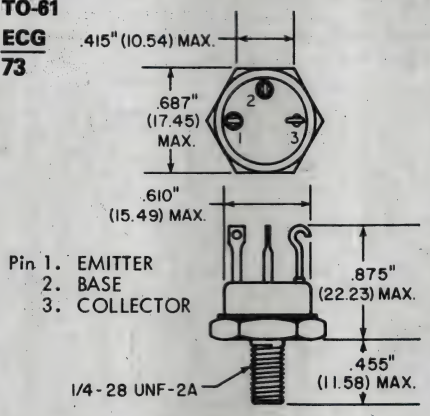


Fig. T35
TO-63
ECG
70
71

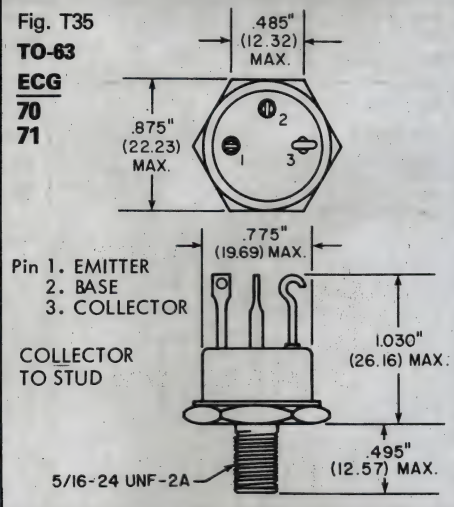


Fig. T36
TO-202N
ECG
188
189
190
191
240
272
273

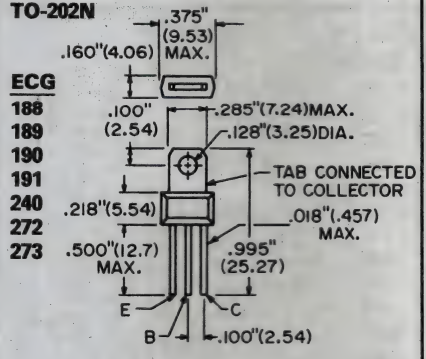


Fig. T37
TO-202J

ECG	1	2	3
80	B	C	E
302	E	B	C
306	B	C	E

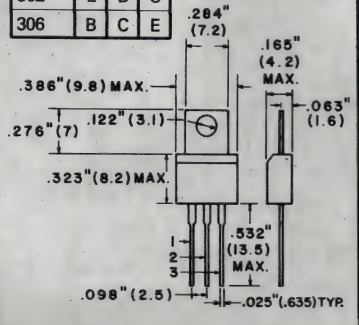
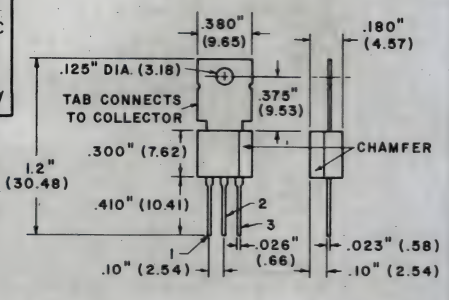


Fig. T38
TO-202

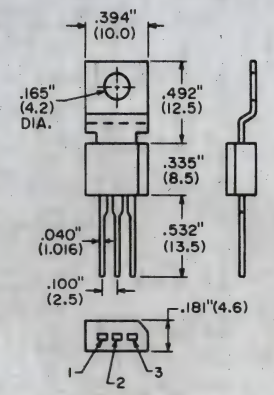
ECG	1	2	3
49 50 171 210 211 265 266 267 268 269	E	B	C

ECG	1	2	3
186 187	B	C	E
300 307	C	B	E



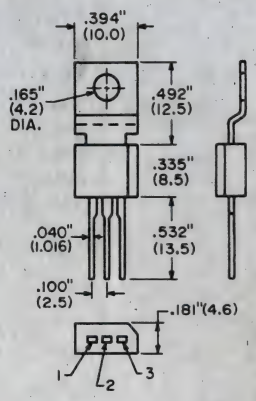
Transistor Outlines (cont'd)

Fig. T39
TO-202M



ECG	1	2	3	TAB
78	B	C	E	C
79	B	C	E	C
186A	B	C	E	C
187A	B	C	E	C
228A	E	B	C	C

Fig. T40
TO-202EC
ECG
474

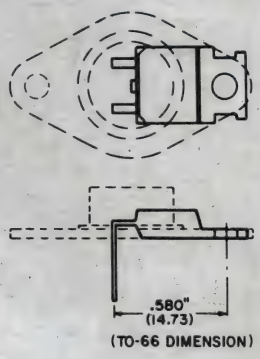


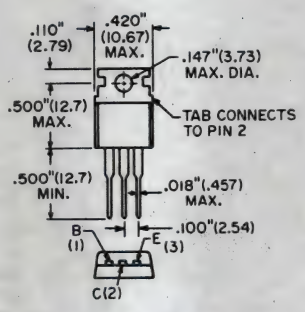
PIN 1 - BASE
2 - EMITTER, TAB
3 - COLLECTOR

Fig. T41
TO-220

ECG		
51	263	2333
54	264	2334
55	291	2343
56	292	2344
66*	331	2380*
67*	332	2381*
152	375	2382*
153	376	2383*
196	377	2385*
197	378	2387*
198	379	2388*
235	398	2389*
236	2303	2390*
241	2312	2391*
242	2313	2395*
261	2315	2396*
262	2325	2397*
	2332	2398*
		2399*

* Basing - GDS





Mechanical Interchangeability of TO-220 Plastic Package with TO-66 Case — See Detailed Illustration Page 1-30.

Fig. T41-1
TO-220J
ECG
2336
2337
2339

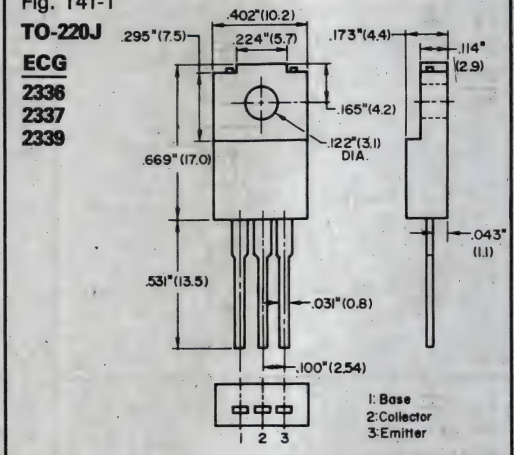
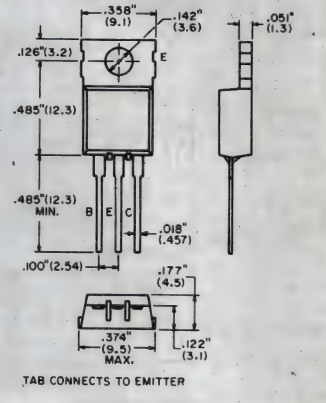
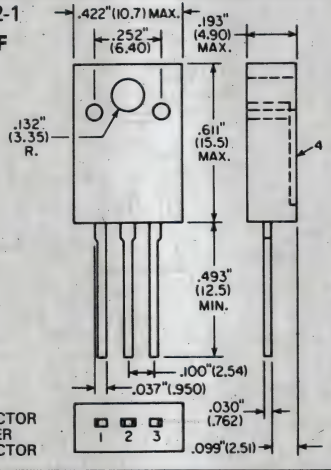


Fig. T42
TO-220EC
ECG
342
343



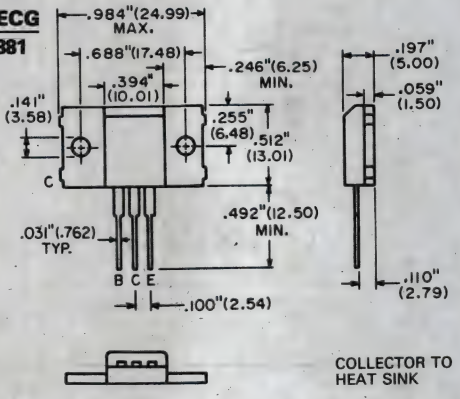
TAB CONNECTS TO EMITTER

Fig. T42-1
TO-220F
ECG
2326



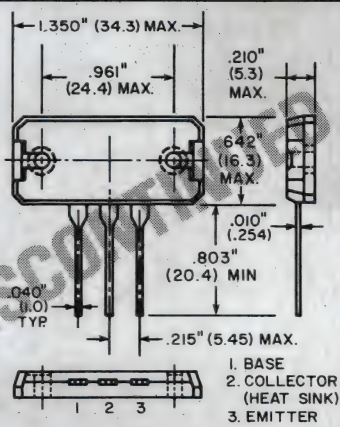
1. BASE
2. COLLECTOR
3. EMITTER
4. COLLECTOR

Fig. T43
TB-33
ECG
381



COLLECTOR TO HEAT SINK

Fig. T44
TB-34
ECG
33
34



1. BASE
2. COLLECTOR (HEAT SINK)
3. EMITTER

DISCONTINUED

Fig. T44-1
TB-35
ECG
58
59
92
93

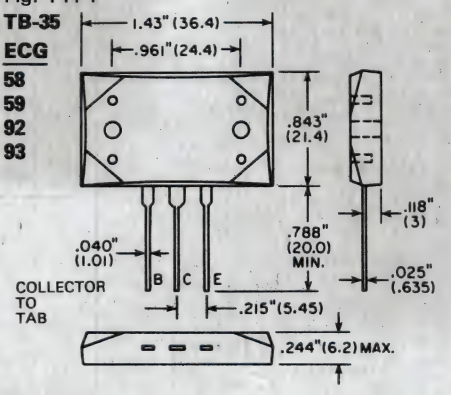
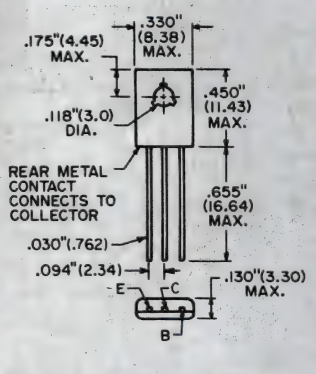


Fig. T45
TO-126
ECG
39
157
184
185
253
254
295
373
374
2327
2338



Transistor Outlines (cont'd)

Fig. T45-1
TO-126N
ECG
2340

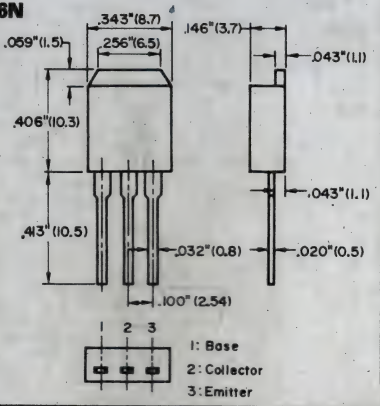


Fig. T45-2
SOT-82
ECG
2345
2346

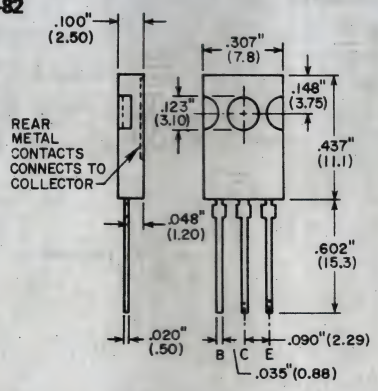


Fig. T46
TO-127
ECG
257
258
259
280

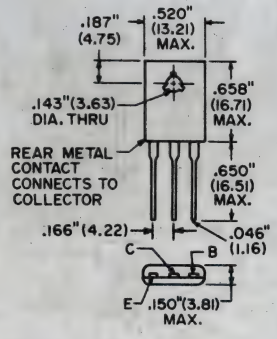
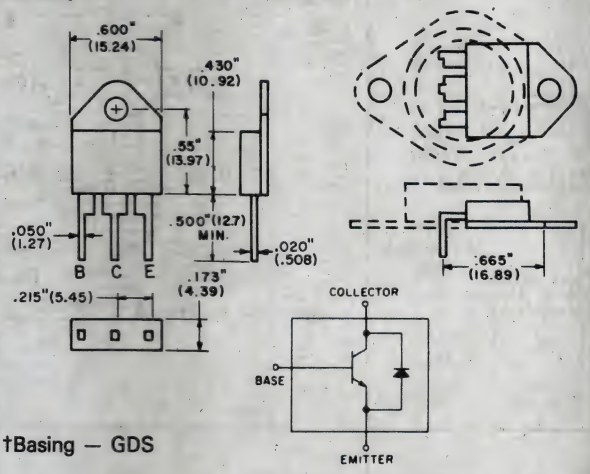


Fig. T48
TO-3P (TO-218)
ECG
256
270
271
390
391
392
393
394
2300
2301
2305
2306
2310
2311
2316
2317
2318*
2393†
2394†

Mechanical Interchangeability of TO-218 Plastic Package with TO-3.



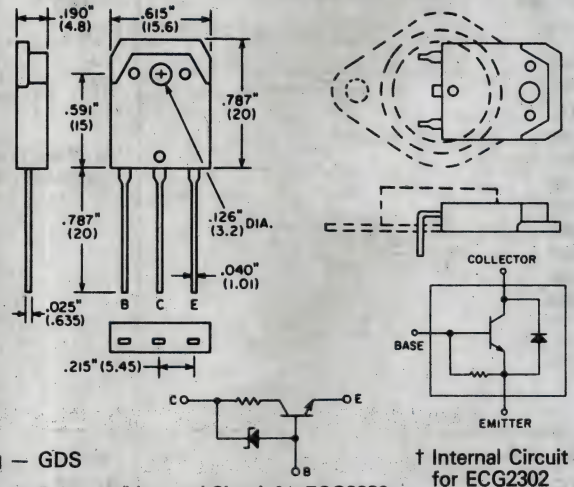
†Basing — GDS

Collector to Tab

* Internal Circuit for ECG2318

Fig. T48-1
TO-3PJ
ECG
36
37
214
215
2302†
2304
2307
2308
2309
2314
2324
2330*
2335
2348
2354
2377•

Mechanical Interchangeability of TO-3PJ Plastic Package with TO-3.



• Basing — GDS

Collector to Tab

* Internal Circuit for ECG2330

† Internal Circuit for ECG2302
$R_{BE} \cong 50\ \Omega$

Fig. T48-2
TO-3PL
ECG
2328
2329
2365

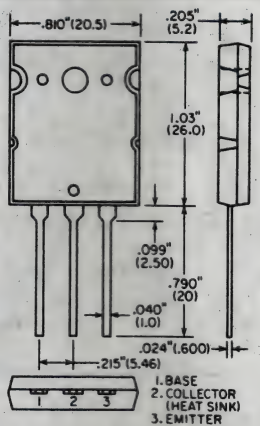
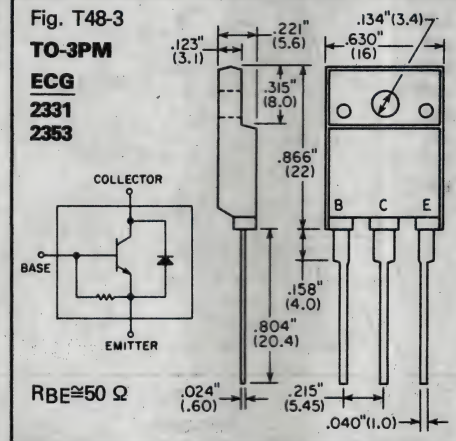


Fig. T48-3
TO-3PM
ECG
2331
2353



$R_{BE} \cong 50\ \Omega$

Fig. T49
RF-15
ECG
313

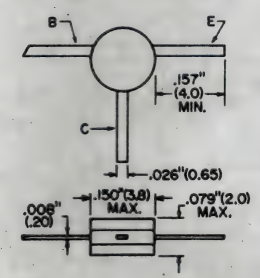


Fig. T49-1
RF-15A
ECG
455

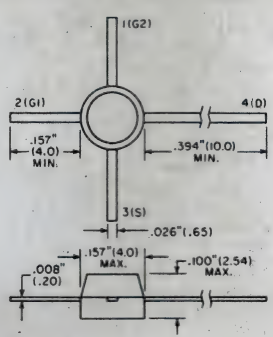


Fig. T49-2
RF-19
ECG
65

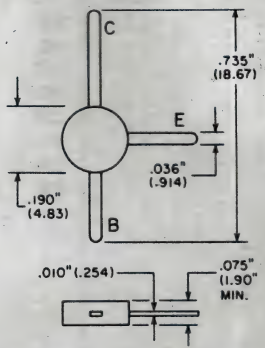
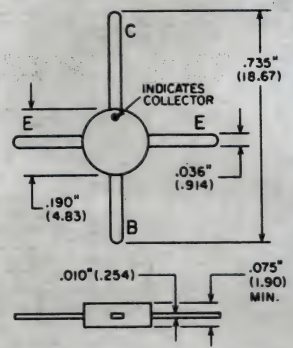


Fig. T49-3
RF-19A
ECG
63
64



Transistor Outlines (cont'd)

Fig. T50
TO-117
ECG
76

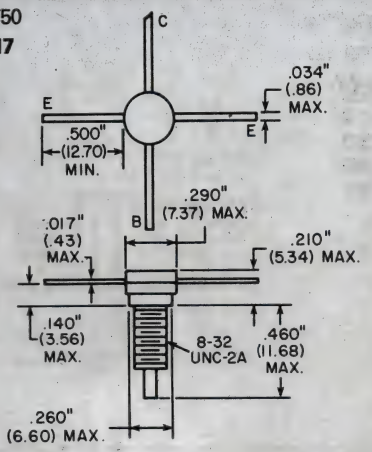


Fig. T51
RF-38SM
ECG
347
357

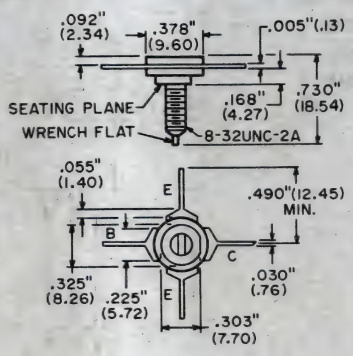


Fig. T52
RF-28S
ECG
362
363
364

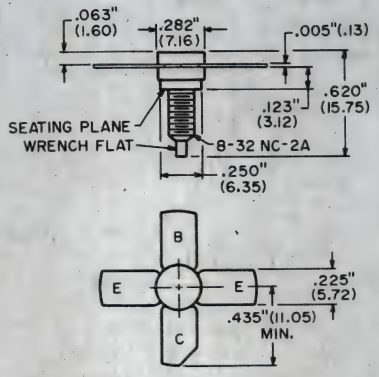


Fig. T53
RF-38S
ECG
325
334
337
338
345
348
349
350
351
359
360

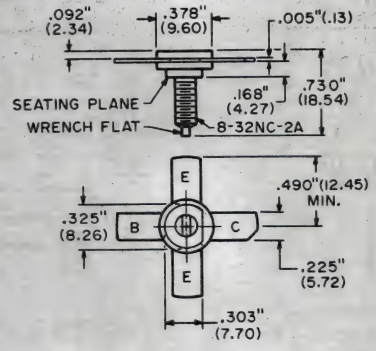


Fig. T54
RF-50S10
ECG
336
339

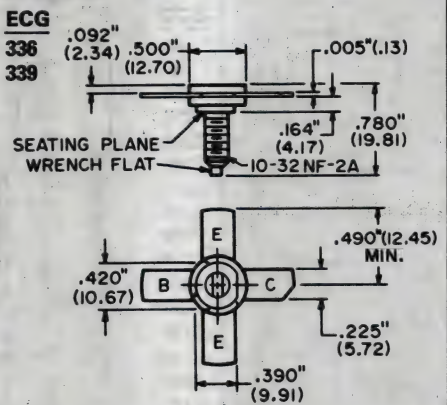


Fig. T55
RF-50SS
ECG
320

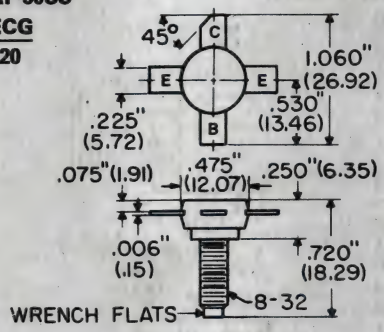


Fig. T56
TO-60
ECG
475
476

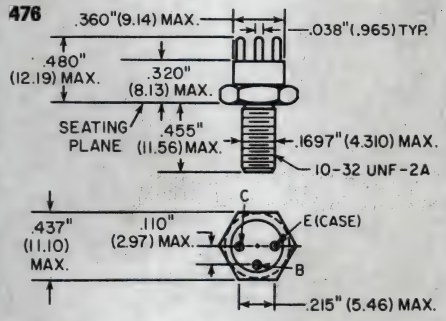


Fig. T57
RF-38F
ECG
320F
333
338F
350F
353
354
355
356

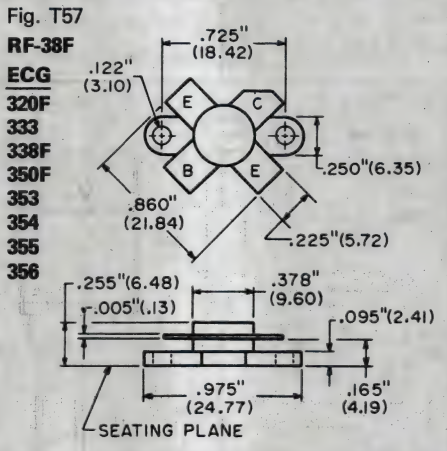


Fig. T58
RF-50F
ECG
317
318
335
470
471

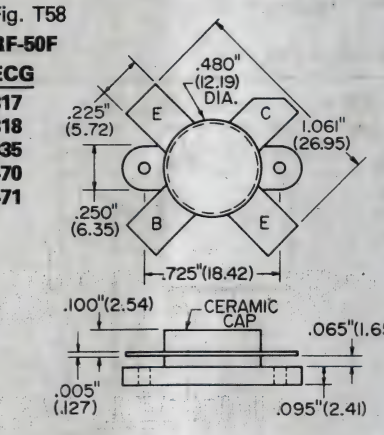


Fig. T59
RF-28F6
ECG
344

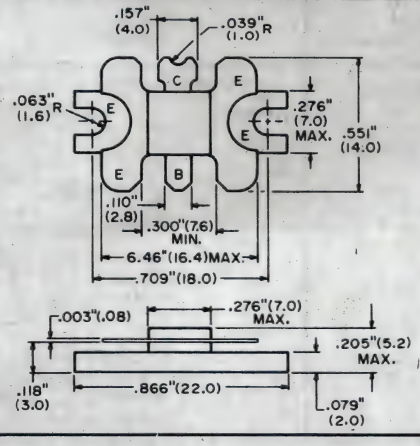
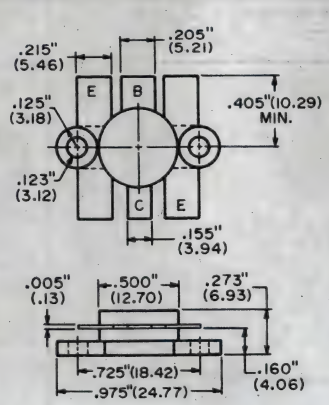


Fig. T60
RF-50F6
ECG
352
365
366
367
368
477
478
480



Transistor Outlines (cont'd)

Fig. T61
RF-38F6B
ECG
481
483
484

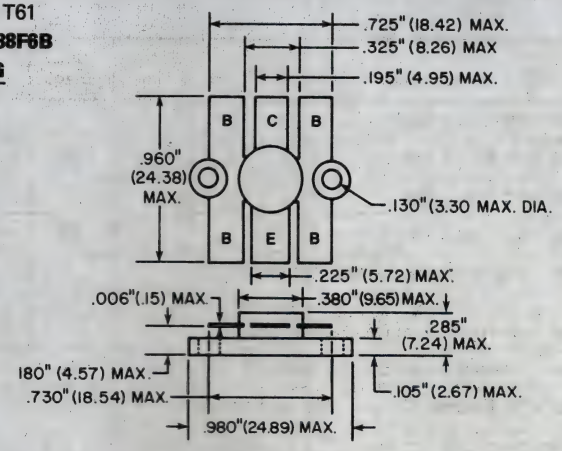


Fig. T62
RF-23F6
ECG
485

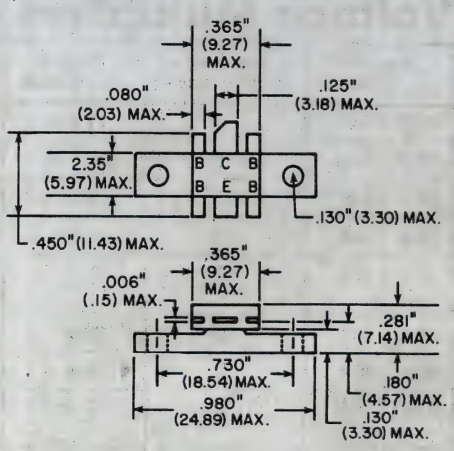


Fig. T63
RF-23F6E
ECG
482

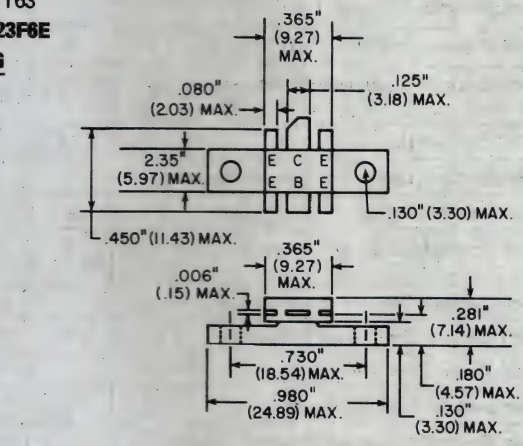


Fig. T66
14-Pin DIP
ECG
2320
2321
2322
2323

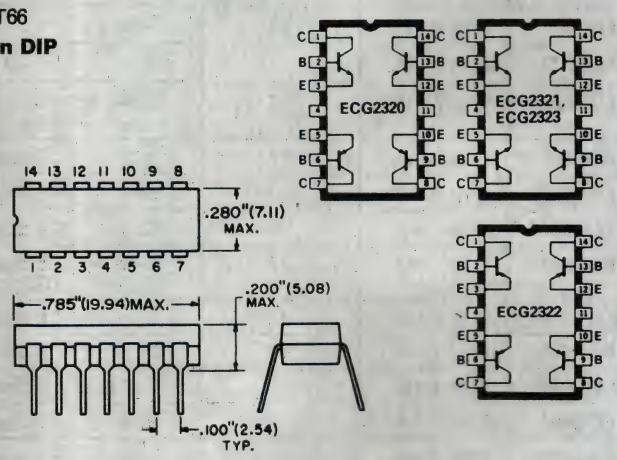


Fig. T67
TO-126M
ECG
2504

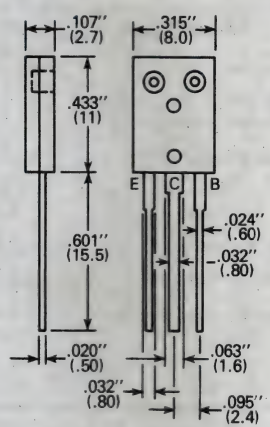


Fig. T68
TO-247
ECG
2375
2376

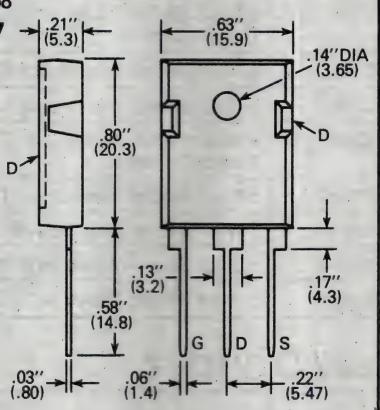


Fig. T69
TO-126M
ECG
2501
2502

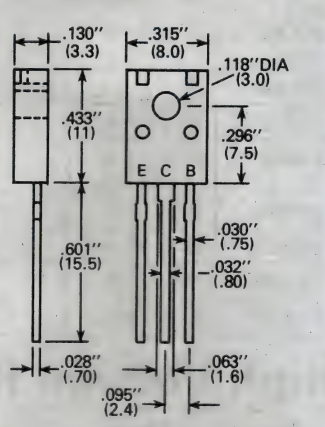
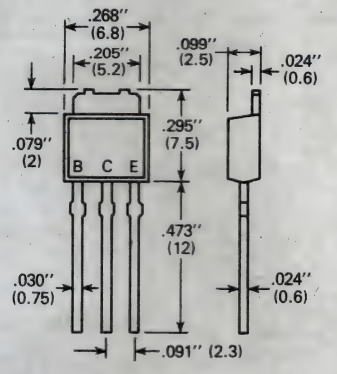


Fig. T70
TO-126N
ECG
2351
2352



High Voltage Devices

High Voltage Multipliers

ECG Type	Max KV Output	Input KV Peak to Peak	Output Lead Length	Description	Ckt. Diag.	Fig. No.
ECG500A	30 at 2 mA	12	27 In.	6 Step Silicon Tripler with Focus Tap	A	H3
ECG501B	27 at 1.5 mA	10	27.5 In.	5 Step Silicon Tripler with Focus Tap	B	H1
ECG521	30 at 2 mA	12	19 In.	6 Step Silicon Tripler with Focus Tap	C	H4
ECG522	30 at 2 mA	12	29 In.	5 Step Silicon Tripler with Focus Tap	D	H3
ECG523/ 3306	30 at 2 mA	12	26 In.	5 Step Silicon Tripler - Internal Focus Divider Network	E	H10
ECG526A	30 at 2 mA	12	26 In.	5 Step Silicon Tripler - Internal Focus Divider Network	F	H10
ECG528	30 at 2 mA	12	16.5 In.	5 Step Silicon Tripler - Internal Focus Divider Network	G	H19
ECG529	30 at 2 mA	12	30 In.	5 Step Silicon Tripler with Damper Diode - Internal Focus Divider Network	H	H10
ECG530	30 at 2 mA	12	30 In.	6 Step Silicon Tripler - Internal Focus Divider Network	I	H10
ECG531	30 at 2 mA	12	24 In.	6 Step Silicon Tripler with Resistor to Focus Tap	J	H7
ECG532	30 at 2 mA	12	24 In.	6 Step Silicon Tripler with Resistor to Focus Tap	K	H7
ECG533	30 at 2 mA	12	25 In.	5 Step Silicon Tripler with Damper Diode and Resistor to Focus Tap	L	H7
ECG534	30 at 2 mA	12	26 In.	5 Step Silicon Tripler with Damper Diode	M	H5
ECG535	30 at 2 mA	12	30 In.	5 Step Silicon Tripler with Damper Diode and Bleeder Resistor	N	H11
ECG536A	30 at 2 mA	8	12 In.	8 Step Silicon Quadrupler with Focus Tap	O	H8
ECG537	30 at 2 mA	12	24 In.	5 Step Silicon Tripler with Damper Diode and Resistor to Focus Tap	P	H7
ECG538	30 at 2 mA	12	21 In.	5 Step Silicon Tripler with Damper Diode and Focus Tap	Q	H2
ECG539	30 at 2 mA	12	21 In.	5 Step Silicon Tripler with Damper Diode and Focus Tap	R	H1
ECG549	30 at 2 mA	12	18.5 In.	5 Step Silicon Tripotential Tripler with Damper Diode	S	H14
ECG550	30 at 2 mA	8	25 In.	7 Step Silicon Quadrupler with Damper Diode	T	H6
ECG556	30 at 2 mA	12	27 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	V	H10
ECG557	30 at 2 mA	12	27 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	W	H10
ECG559	28 at 2 mA	12	22 In.	5 Step Silicon Tripotential Tripler	X	H15
ECG560	30 at 2 mA	12	22 In.	5 Step Silicon Tripler with Internal Focus Divider Network	Y	H17
ECG561	28 at 2 mA	12	22 In.	5 Step Silicon Tripler with Damper Diode and Internal Focus Divider Network	Z	H18
ECG562	28 at 2 mA	12	22 In.	5 Step Silicon Tripotential Tripler with Damper Diode	AA	H16
ECG563	17 at 0.1 mA	10	8.5 In.	3 Step Silicon Doubler with Bleeder Resistor and Indicator Lamp	AB	H21
ECG564	21 at 1.5 mA	8	12.5 In.	5 Step Silicon Tripler with Internal Focus Divider Network	AC	H12
ECG565	30 at 2 mA	12	Plug-In	5 Step Silicon Tripler with Damper Diode and Bleeder Resistor	AD	H13

High Voltage Rectifier/Divider

ECG Type	Max KV Output	Input KV Peak to Peak	Output Lead Length	Description	Ckt. Diag.	Fig. No.
ECG568A	33 at 1.5 mA	35	20 In.	HV Rectifier/Focus Divider Network	AE	H48A

DISCONTINUED

Ckt. AE **ECG568A**

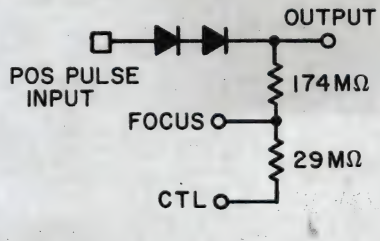
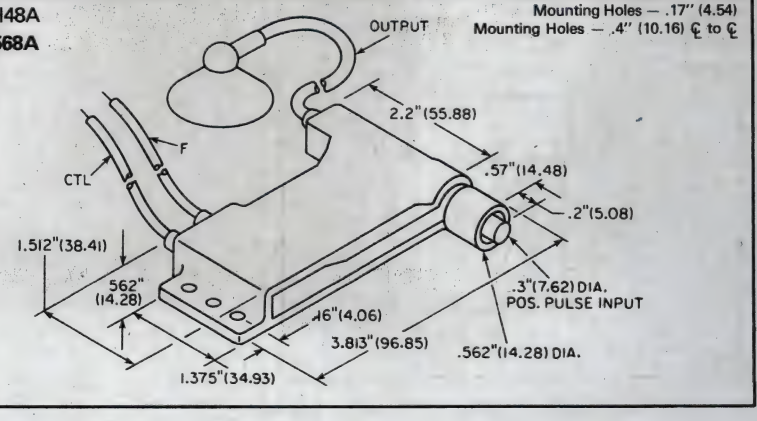
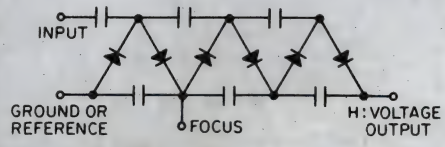


Fig. H48A
ECG568A

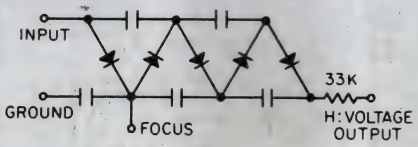


HV Multiplier Circuits

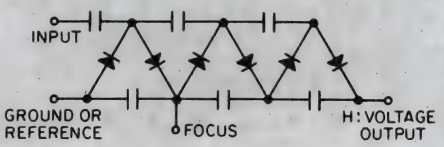
Ckt. A **ECG500A**



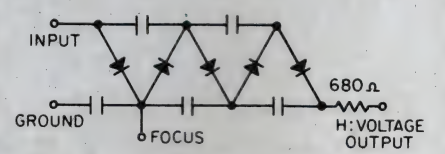
Ckt. B **ECG501B**



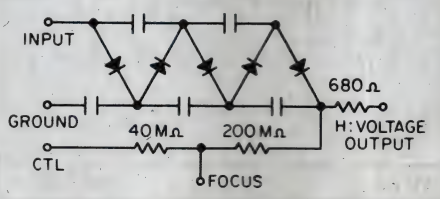
Ckt. C **ECG521**



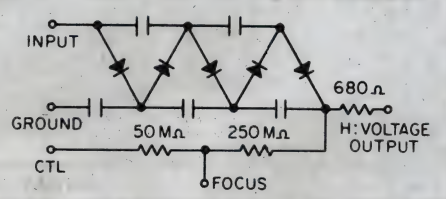
Ckt. D **ECG522**



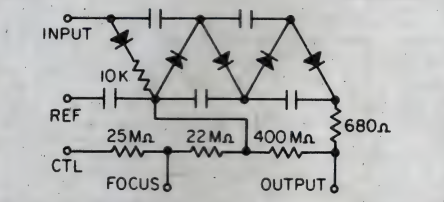
Ckt. E **ECG523/3306**



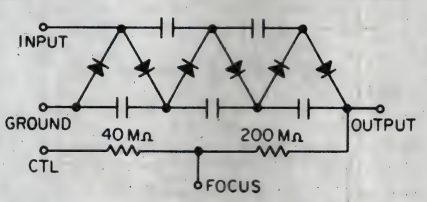
Ckt. F **ECG526A**



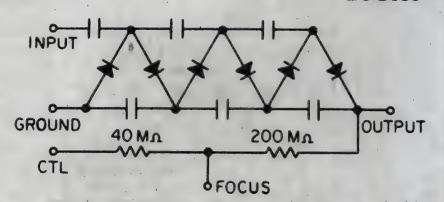
Ckt. G **ECG528**



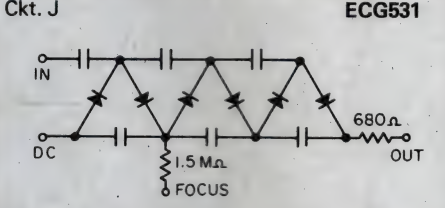
Ckt. H **ECG529**



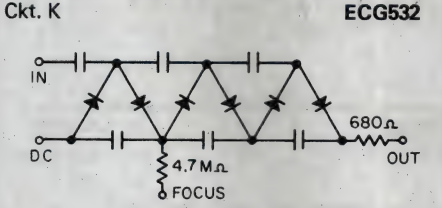
Ckt. I **ECG530**



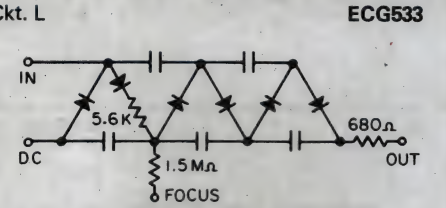
Ckt. J **ECG531**



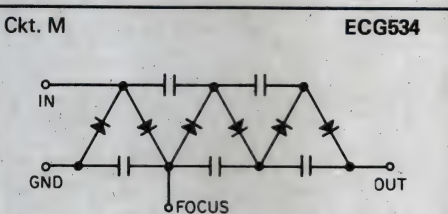
Ckt. K **ECG532**



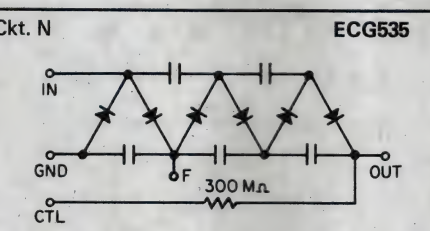
Ckt. L **ECG533**



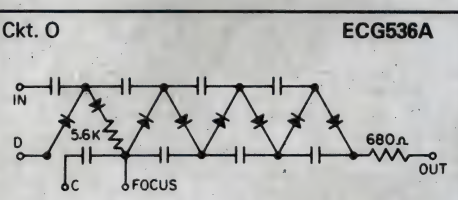
Ckt. M **ECG534**



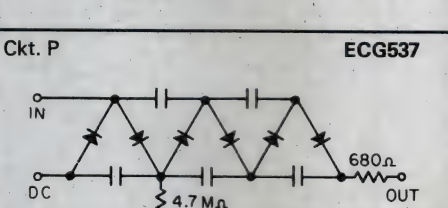
Ckt. N **ECG535**



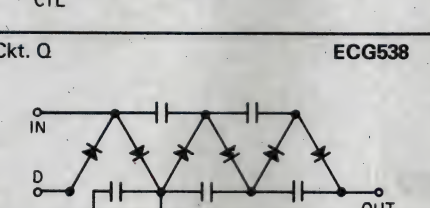
Ckt. O **ECG536A**



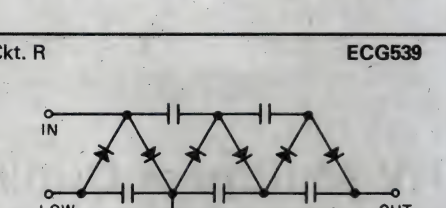
Ckt. P **ECG537**



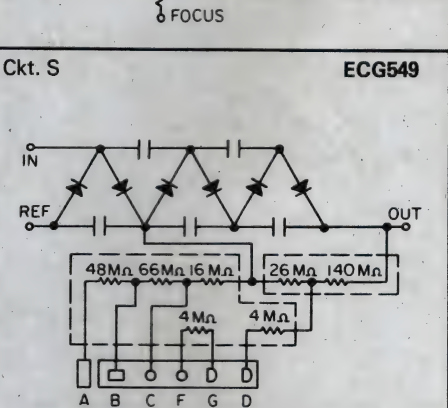
Ckt. Q **ECG538**



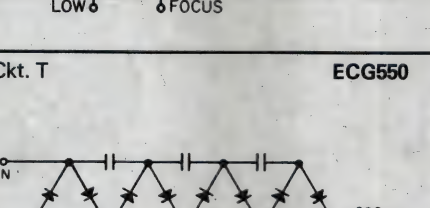
Ckt. R **ECG539**



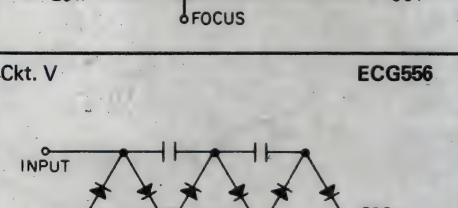
Ckt. S **ECG549**



Ckt. T **ECG550**



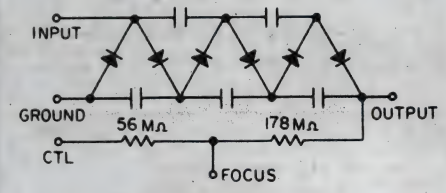
Ckt. V **ECG556**



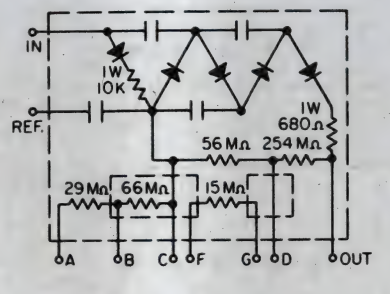
E

HV Multiplier Circuits (cont'd)

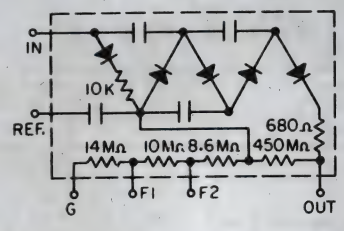
Ckt. W **ECG557**



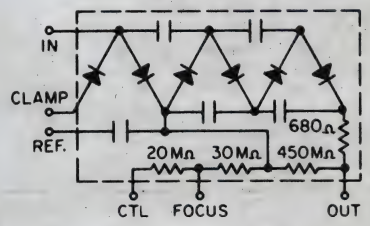
Ckt. X **ECG559**



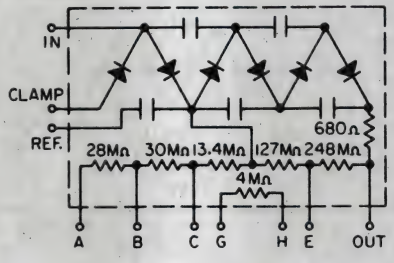
Ckt. Y **ECG560**



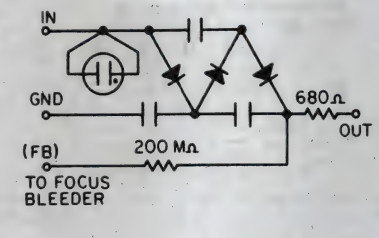
Ckt. Z **ECG561**



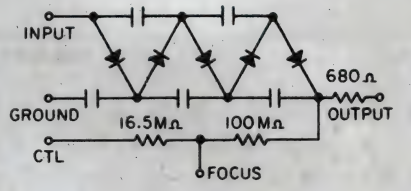
Ckt. AA **ECG562**



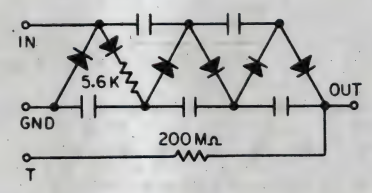
Ckt. AB **ECG563**



Ckt. AC **ECG564**



Ckt. AD **ECG565**



HV Multiplier Outlines

Fig. H1
ECG
501B
539

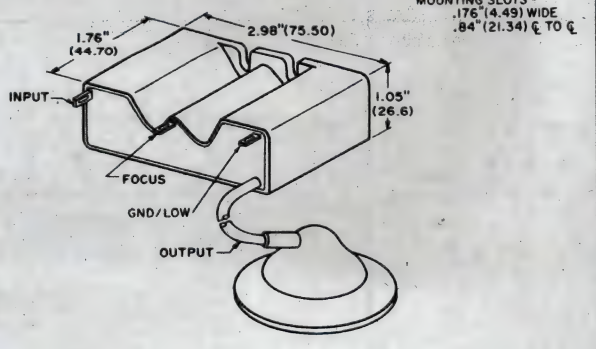
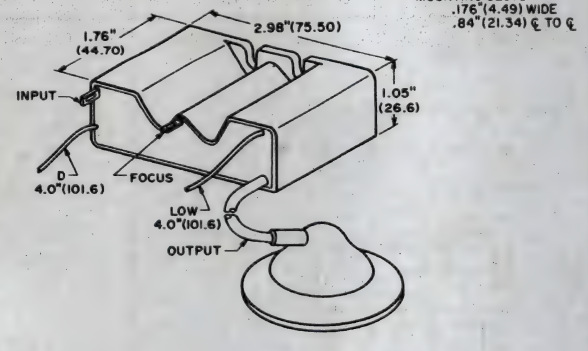


Fig. H2
ECG538



HV Multiplier Outlines (cont'd)

Fig. H3
ECG
500A
522

MOUNTING SLOTS - .187" WIDE .406" LONG 3.375" ℄ to ℄

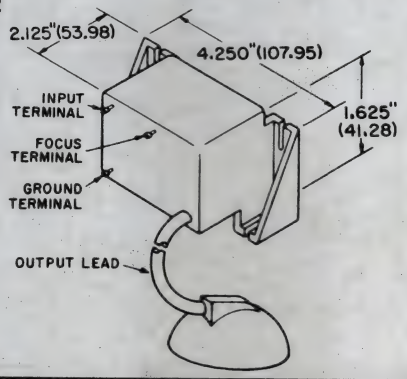


Fig. H4
ECG521

MOUNTING SLOTS - 4.8 WIDE 10.3 LONG 78.7 ℄ to ℄

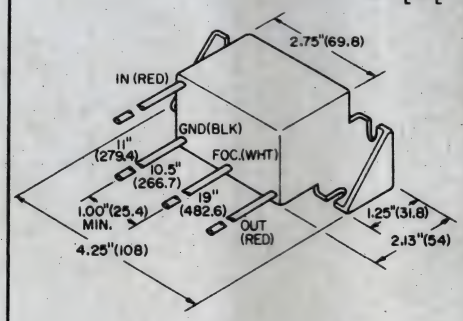


Fig. H5
ECG534

MOUNTING SLOTS - .19"(4.83) WIDE 3.38"(85.85) ℄ TO ℄

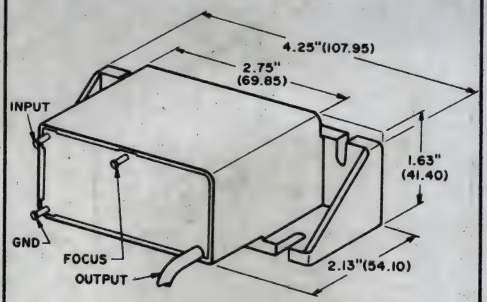


Fig. H6
ECG550

MOUNTING SLOTS .19" (4.83) Wide .40" (10.2) Long 3.38" (85.8) C_L to C_L

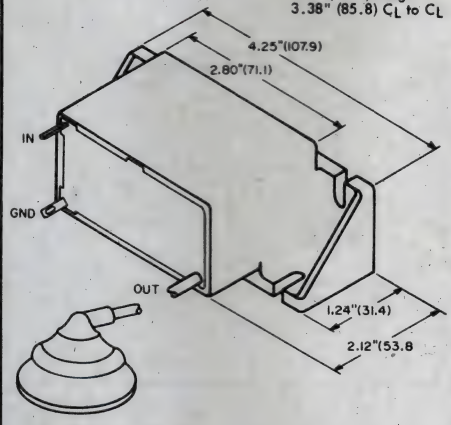


Fig. H7
ECG
531
532
533
537

MOUNTING HOLES - .19"(4.83) DIA. .19"(4.83) X .25"(6.35) 3.375"(85.7) ℄ TO ℄

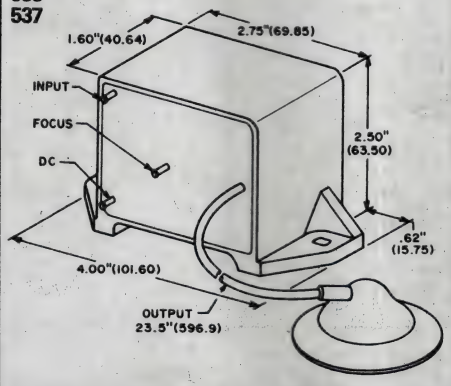


Fig. H8
ECG536A

MOUNTING HOLES - .19"(4.83) DIA. .19"(4.83) X .25"(6.35) 3.375"(85.7) ℄ TO ℄

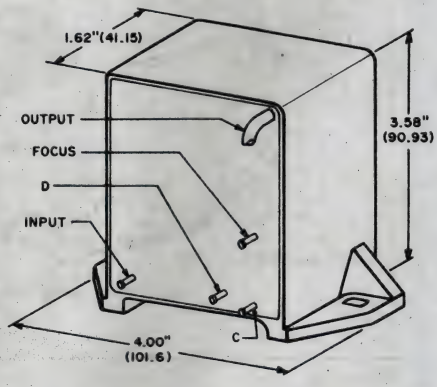
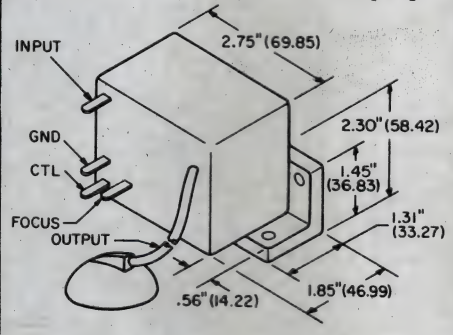


Fig. H9
ECG523/3306•

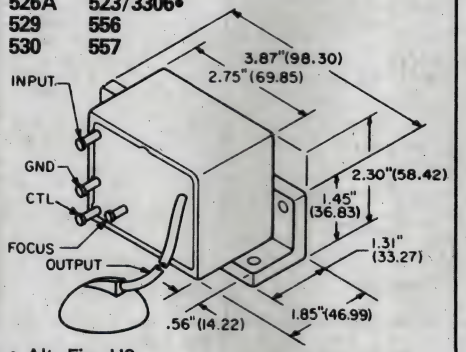
MOUNTING HOLES - .19" (4.83) x .25" (6.35) 3.39" (86.11) ℄ to ℄



• Alt. Fig. H10

Fig. H10
ECG
526A **523/3306•**
529 **556**
530 **557**

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄



• Alt. Fig. H9

Fig. H11
ECG535

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄

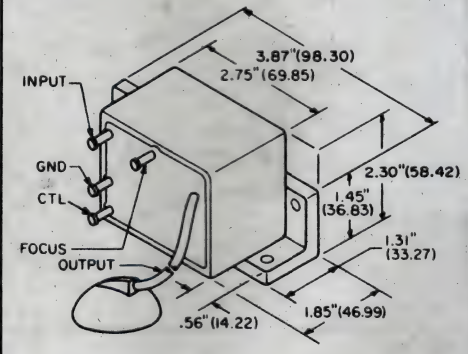


Fig. H12
ECG564

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄

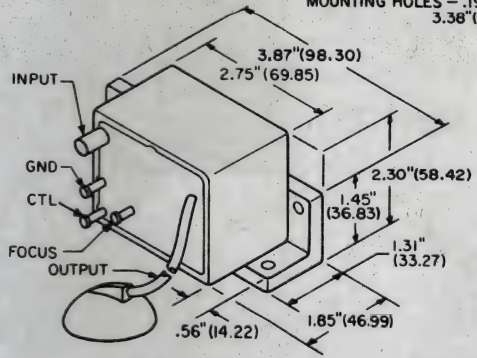
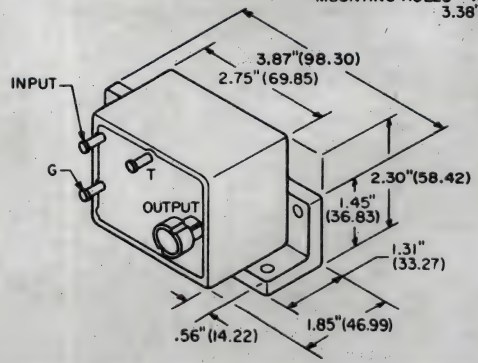


Fig. H13
ECG
565

MOUNTING HOLES – .19"(4.83) DIA. 3.38"(85.85) ℄ TO ℄



HV Multiplier Outlines (cont'd)

Fig. H14
ECG
549

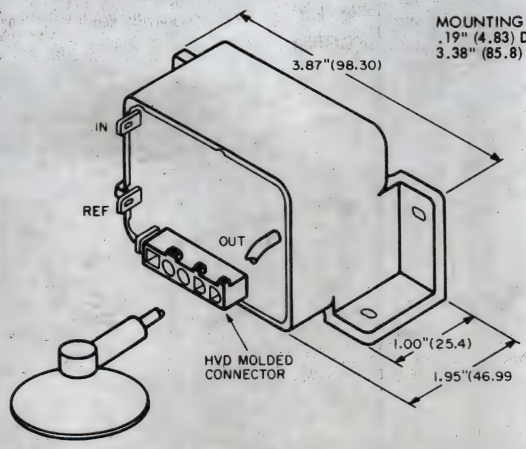


Fig. H15
ECG559

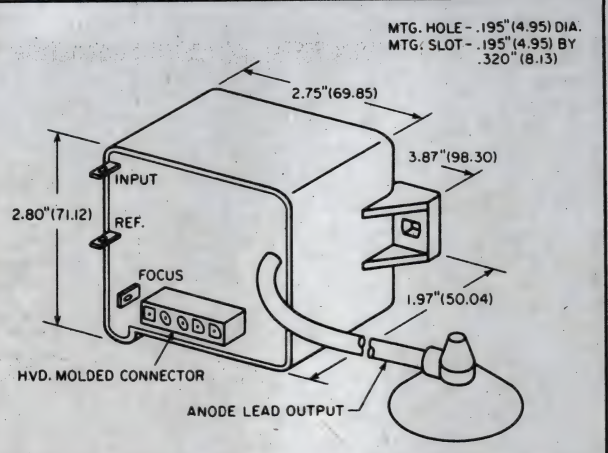


Fig. H16
ECG562

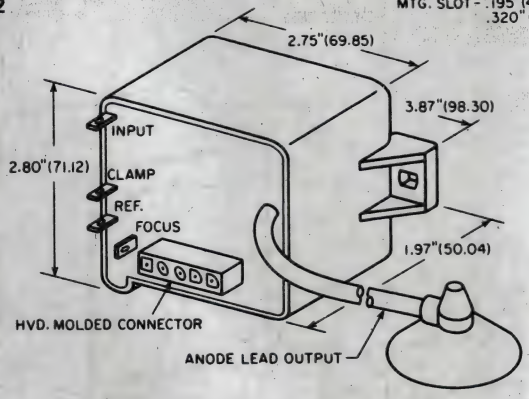


Fig. H17
ECG560

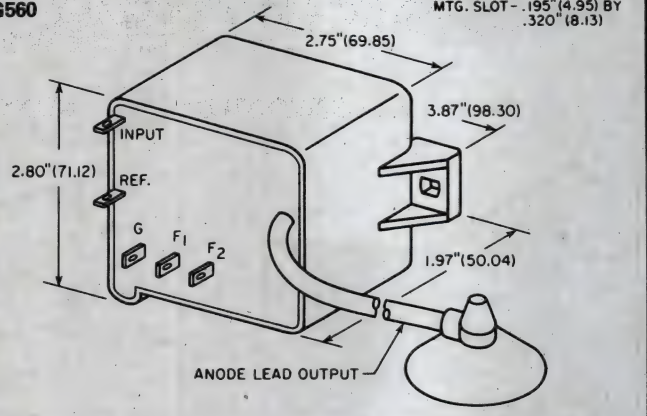


Fig. H18
ECG561

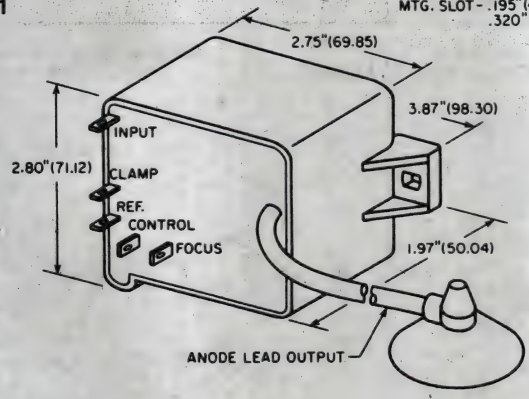
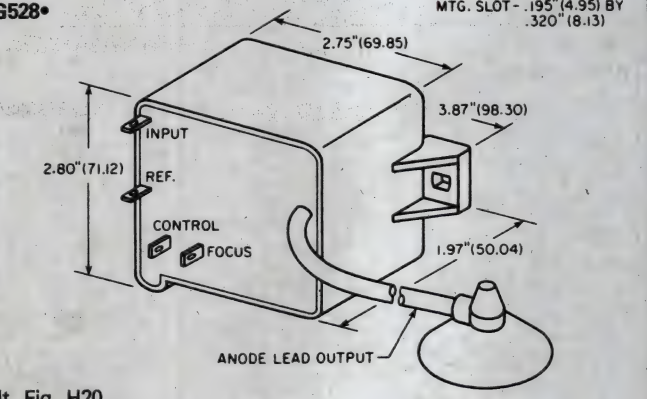
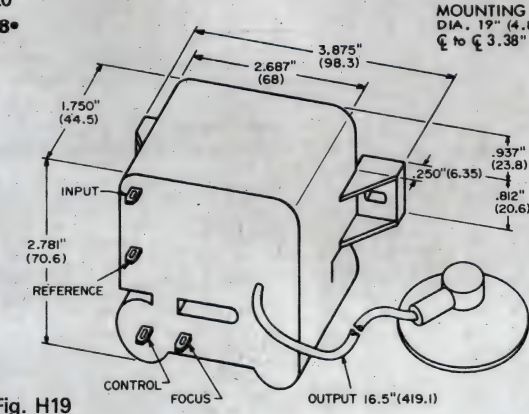


Fig. H19
ECG528•



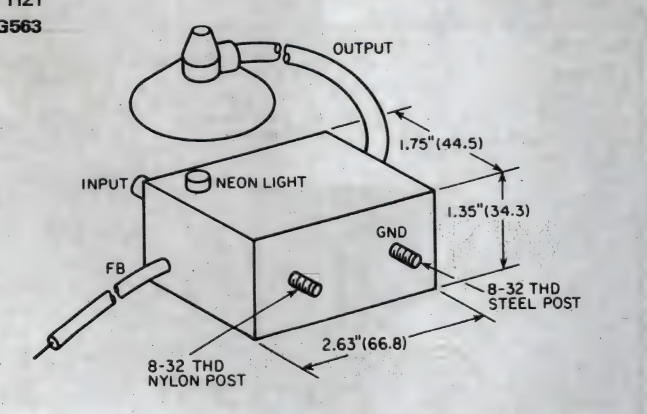
• Alt. Fig. H20

Fig. H20
ECG528•



• Alt. Fig. H19

Fig. H21
ECG563



HV Dividers/Focus Assemblies

ECG Type	Application and Description	Outline No.
HiDiv*-1	Resistive High Voltage Divider Assembly: 240 Megohms, tapped at 40 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H22
HiDiv-2	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H22
HiDiv-3	Resistive High Voltage Divider Assembly: 240 Megohms, tapped at 40 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H23
HiDiv-4	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV Max.	H24
HiDiv-12	Resistive High Voltage Divider Assembly: 300 Megohms, tapped at 50 Megohms; Total Dissipation - 4 Watts; 35 KV max.	H25

* Trademark of Philips ECG

E

Fig. H22
HiDiv-1
HiDiv-2

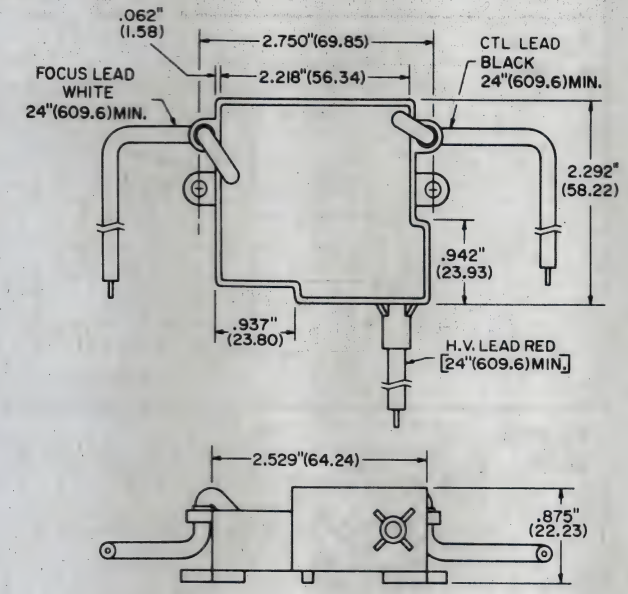


Fig. H23
HiDiv-3

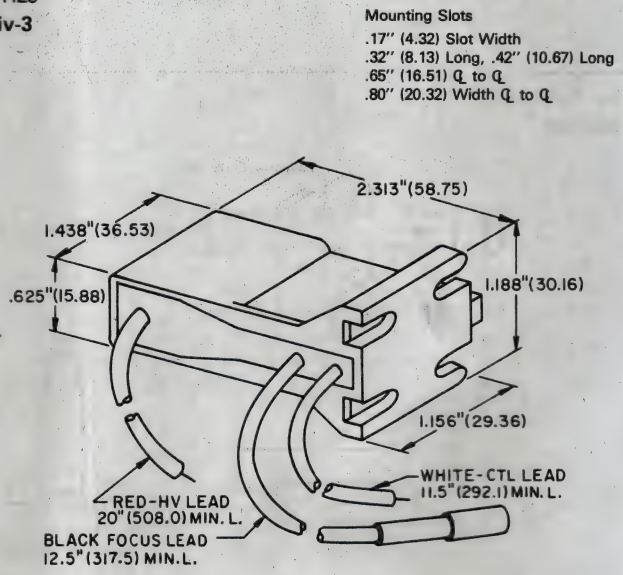


Fig. H24
HiDiv-4

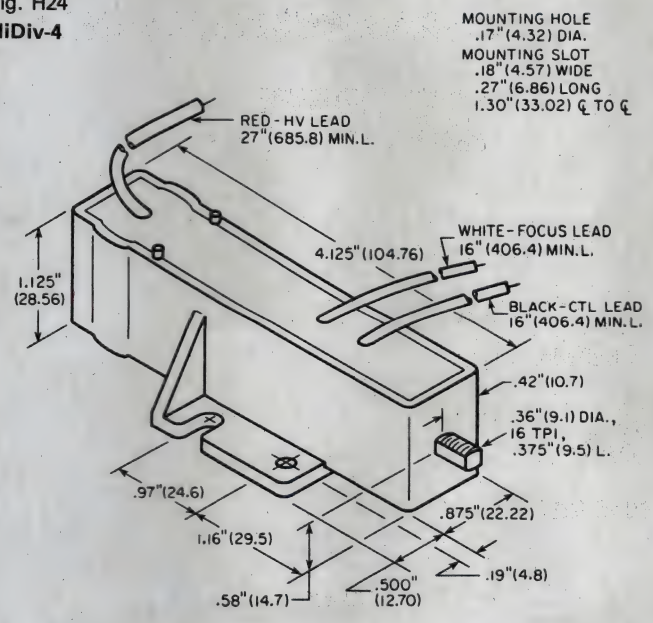
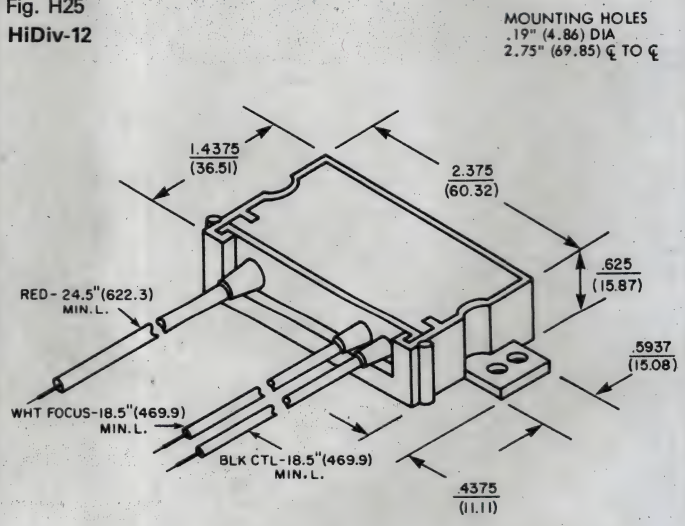


Fig. H25
HiDiv-12



HV Rectifiers (Silicon Industrial/Microwave Oven)

ECG Type	Minimum Breakdown Voltage V_B	Maximum Surge Current (Nonrep.) I_{FSM} A	Average Output Current I_O mA	Maximum Forward Voltage Drop V_{FM} V	Maximum Reverse Leakage Current I_{RM} μA	Fig. No.
ECG517	15kV at 1 μA	30	350 at TA 55°C	14 at 350 mA	1.0 at 12 kV	H49A
ECG540	12 kV at 100 μA	25	600 at TC 55°C	--	1.0 at 5 kV	H26
ECG542	15 kV at 10 μA	50	350 at TA 50°C	13.5 at 350 mA	1.0 at 12 kV	H28
ECG544	12 kV at 1.0 mA	25	500 at TA 40°C	12 at 500 mA	10 at 8 kV	H30
ECG548	12 kV at 100 μA	250	750 at TC 50°C	14 at 750 mA	1.0 at 10 kV	H34

DISCONTINUED

Fig. H26
ECG540

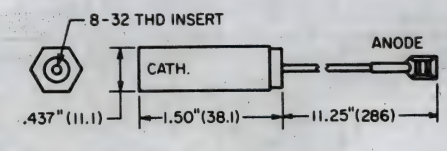


Fig. H28
ECG542

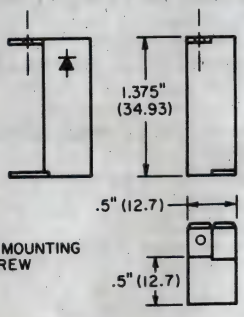


Fig. H30
ECG544

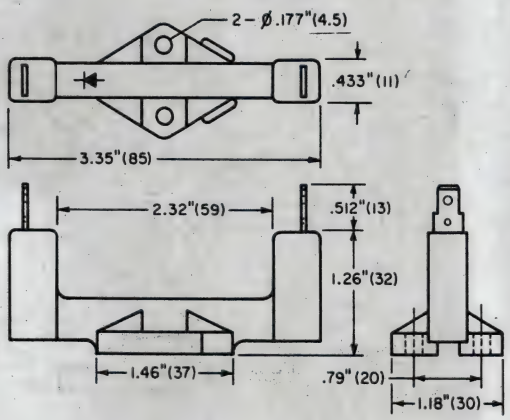


Fig. H34
ECG548

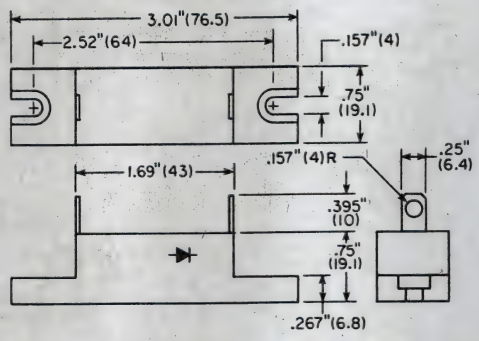
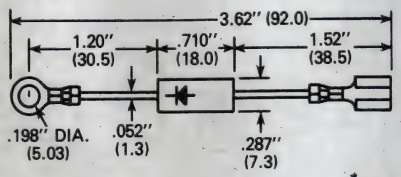


Fig. H49A
ECG517



HV Rectifiers (Solid State Replacement for TV)

ECG Type	Application Replaces Following Tube Types:	Peak Reverse Volts	Peak Repetitive Forward Current (mA)	Average Forward Current I_F (mA)	Forward Voltage Drop V_F (V)	Fig. No.
ECG508/R-3A3	1AU3, 1B3, 1G3, 1J3, 1K3, 1N2, 2CN3, 3A3, 3AW3, 3B2, 3CA3, 3CN3, 3CU3, 3CV3, 3CZ3	45,000	110	5	50 at 5 mA	H35
ECG509/R-3AT2	3AT2, 3AW2, 3BL2, 3BM2, 3BN2	45,000	110	5	50 at 5 mA	H35
ECG510/R-3DB3	3CY3, 3DB3, 3DJ3	45,000	110	5	50 at 5 mA	H35
ECG511/R-2AV2	1AU2, 1V2, 2AV2	9,000	100	5	20 at 5 mA	H36
ECG512/R-6DW4	6BA3, 6BH3, 6BS3, 6CH3, 6CJ3, 6CK3, 6CL3, 6CM3, 6DW4	6,000	1300	250	10 at 350 mA	H37
ECG514/R-3DS3	3DR3, 3DS3	45,000	110	5	50 at 5 mA	H35

E

Fig. H35

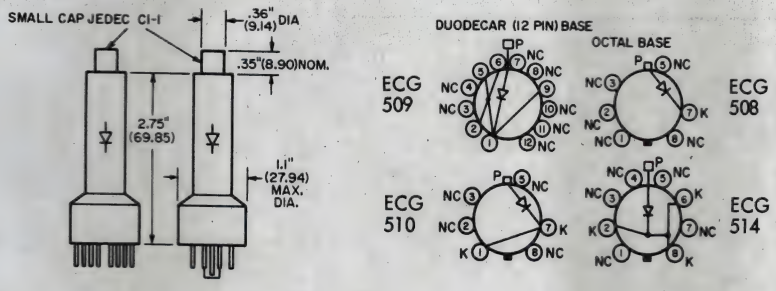


Fig. H36 ECG511

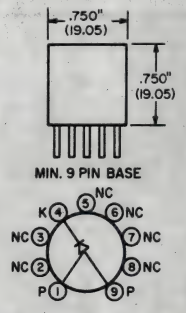
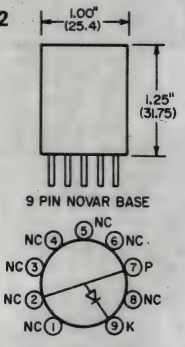
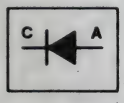


Fig. H37 ECG512



HV Rectifiers (Selenium)



ECG Type	Description and Application	Limit Conditions: PRV No-Load	Limit Conditions: Peak Input Pulse Volts	Operating Conditions: DC Output Volts	Operating Conditions: Peak Input Pulse Volts	Operating Conditions: Forward Current 50°C Max I_F (mA)	Operating Conditions: Forward Voltage Drop V_F (VDC)	Fig. No.
ECG118	TV HV Focus Rect	7,500	9,000	6,500	7,800	0.5	130 at 0.5 mA	H38
ECG119	TV HV Boost Rect	560	827	--	550	2.2	12 at 2.5 mA	H39
ECG502	TV HV Rect	12,400	14,500	11,000	13,200	0.5	220 at 2.5 mA	H40
ECG503	TV HV Rect	14,400	17,300	13,000	15,600	0.5	260 at 2.5 mA	H41
ECG504	TV HV Rect	19,500	23,400	18,000	21,600	0.5	360 at 3 mA	H42
ECG505	TV HV Rect	21,400	25,400	20,000	24,000	0.5	400 at 3 mA	H43

Fig. H38 ECG118

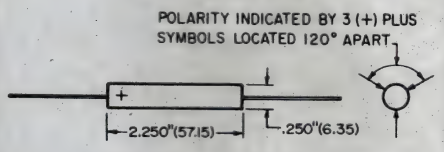


Fig. H39 ECG119

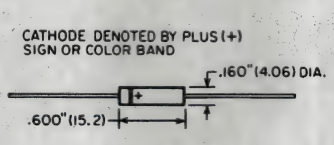


Fig. H40 ECG502

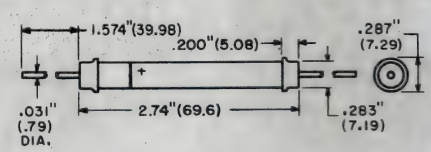


Fig. H41 ECG503

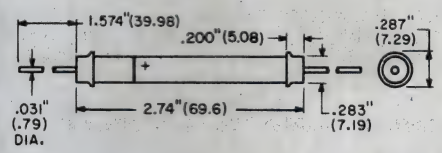


Fig. H42 ECG504

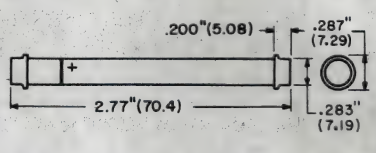
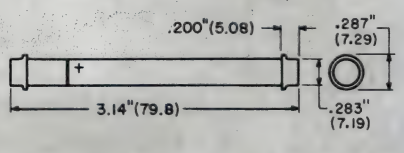


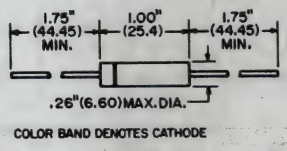
Fig. H43 ECG505



HV Rectifiers (Silicon)

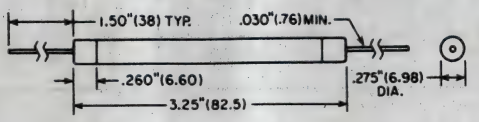
ECG Type	Application	Peak Reverse Volts	Peak Repetitive Forward Current (mA)	Average Forward Current I_F (mA)	Forward Voltage Drop V_F	Fig. No.
ECG513	DISCONTINUED TV HV Rect	45,000	200	5	75 V at 50 mA	H44
ECG518	TV HV Rect	10,000	---	5	20 V at 5 mA	H45
ECG527A	TV HV Rect	35,000	100	2.2	60 V at 10 mA	H47

Fig. H45 **ECG518**



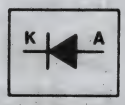
COLOR BAND DENOTES CATHODE

Fig. H47 **ECG527A**



(COLOR BAND DENOTES CATHODE)

Diodes and Rectifiers (General Purpose)



ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time trr	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG109	Gen Purp	Ge	100	200 mA	---	---	---			●		Z2
ECG110A	Gen Purp	Ge	40	50 mA	150 mA	---	---			●		Z2
ECG110MP	Matched Diode Pair	Ge	30	15 mA at 60°C	---	---	---	●		●		Z2
ECG112	UHF Mixer (Schottky)	Si	5	25 mA	---	---	.5 at 60 mA					Z4
ECG113A	Common Cathode Dual Diode, Center Tap, TV Horiz	Si	100	1.5 A	---	---	0.95 V at 1 A	●		●		Z15
ECG114	Series Dual Diodes, TV Horiz	Se	20	min 1.1 mA	---	---	---	●		●		Z12
ECG115	Common Anode, Dual Diode, TV Horiz AFC	Se	20	min 1.1 mA	---	---	---	●		●		Z12
ECG116	Gen Purp Rect	Si	600	1 A	---	---	0.8 V at 1 A			●		Z3
ECG117A	Gen Purp Rect, Metal Case	Si	1000	1.5 A	---	---	0.9 V			●		Z10
ECG120	Color TV Convg Rect	Se	18	65 mA	---	---	---			●		Z17
ECG125	Gen Purp Rect	Si	1000	2.5 A at 25°C Lead Temp	---	---	0.8 V at 1 A			●		Z3
ECG156	Gen Purp Rect	Si	1000	3 A	---	---	1.1 V at 1.5 A			●		Z6
ECG177	Fast Sw, Det, etc.	Si	200	160 mA	250 mA	50 ns	1.0 V at 100 mA		●			Z4
ECG178MP	Matched Diode Pair, AFC, AFT, etc.	Si	50	75 mA	100 mA	---	1.0 V at 5 mA	●				Z5
ECG506	Sw, Fast Recovery, Bst Damper, Blanking	Si	1400	2 A	3.5 A	500 ns	1.0 V at 1 A		●		●	Z6
ECG507	Gen Purp Rect, Gating, Centering	Si	50	250 mA	---	3 μs	1.0 V at 1 A			●		Z6
ECG515	Sw, Fast Recovery, SCR Defl Clamp	Si	800	3 A	9 A	1.3 μs	1.3 V at 4 A		●		●	Z8
ECG519	Fast Sw Diode	Si	100 (BRV)	200 mA	450 mA	4 ns	1.0 V at 10 mA		●			Z4
ECG525	Sw, Fast Recovery, Damper	Si	2000	1 A	---	500 ns (Fwd Rec)	2 V at 2 A		●		●	Z6A
ECG551	Sw, Fast Recovery, Damper, Metal Case	Si	1500	1 A	---	1 μs	1.5 V at 2 A		●		●	Z9
ECG552	Gen Purp Rect, Fast Recovery	Si	600	1 A	---	200 ns	1.5 V at 250 mA		●	●	●	Z3
ECG558	Gen Purp Rect, Fast Recovery, HV	Si	1500	1 A	---	250 ns	1.2		●	●	●	Z3
ECG569	Fast Sw, Soft Recovery	Si	600	3 A	100 A	200 ns	1.1 V		●	●	●	Z6A
ECG576	Sw, Ultra Fast Recovery	Si	400	5 A	150 A	35 ns	1.25 V at 5 A		●	●	●	Z6A
ECG577	Sw, Fast Recovery, HV	Si	1000	5 A	200 A	70 ns	1.7 V at 5 A		●	●	●	Z6A
ECG578	Schottky Barrier Rect	Si	90	1 A	50 A	---	.8 V at 1 A		●		●	Z3
ECG579	Schottky Barrier Rect	Si	90	3 A	150 A	---	.8 V at 3 A		●		●	Z6A
ECG580	Gen Purp Rect, Fast Recovery	Si	600	3 A	Single Surge 100 A	250 ns	1.3 V at 3 A		●	●	●	Z1A
ECG581	Gen Purp Rect, Fast Recovery	Si	400	8 A	Single Surge 150 A	200 ns	1.2 V at 3 A		●	●	●	Z41A
ECG582	TV Damper	Si	6000	300 mA	Single Surge 100 A	300 ns	8.0 V at 100 mA				●	Z17A

DISCONTINUED

Diodes and Rectifiers (General Purpose) (cont'd)

ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time trr	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG583	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	70	15 mA	---	1 ps	.41 V at 1 mA	●	●	●	●	Z4
ECG584	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	20	35 mA	---	1 ps	.41 V at 1 mA	●	●	●	●	Z4
ECG585	Schottky Barrier Rect	Si	40	1 A	25 A	---	.6 V at 1 A		●		●	Z3
ECG586	Schottky Barrier Rect	Si	40	3 A	80 A	---	.525 V at 3 A		●		●	Z6A
ECG587	Sw, Ultra Fast Recovery	Si	200	1 A	30 A	35 ns	.95 V at 1 A		●	●	●	Z3
ECG588	Sw, Ultra Fast Recovery	Si	200	3 A	125 A	35 ns	.95 V at 3 A		●	●	●	Z6A
ECG590	Common Cathode Dual Diode, Hi Speed Sw	Si	75	200 mA 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67
ECG591	Common Anode Dual Diode, Hi Speed Sw	Si	75	200 mA 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67

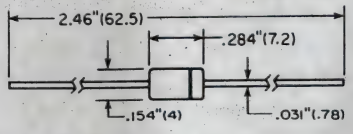
Diodes (Surface Mount)

ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time trr	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG592	Gen Purp, Sw	Si	200	200 mA	625 mA	50 ns	1 V at 200 mA		●	●		Z69
ECG593	Hi Speed Sw, Det	Si	75	250 mA	250 mA	6 ns	1 V at 250 mA		●		●	Z69
ECG594	Band Sw, $r_D = .7\ \Omega$ at 200 MHz	Si	35	100 mA	---	---	1.2 V at 100 mA					Z69
ECG595	Common Cathode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69
ECG596	Common Anode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69

Controlled Avalanche Diode

ECG Type	V_{RM} V Max	I_{ZSM} A Max	V_Z $I_Z = 1$ mA V Max	I_R µA Max
ECG570	130	1 (Pulse)	135 - 150	10

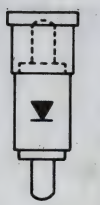
Fig. Z6B



Color Band Denotes Cathode

Microwave Mixer Diodes

Type No.	Test Freq. (MHz)	Noise Figure (dB)	I.F. IMPED. @ 30 MHz (Ohms)	VSWR Max. Ratio	Burn Out (ERGS)	Fig. No.
1N415C	9375	9.5	325-475	1.5	2.0	Z64
1N415E	9375	7.5	335-465	1.3	2.0	Z64
1N416C	3060	8.3	300-700	---	2.0	Z64
1N416E	3060	7.0	350-450	1.3	5.0	Z64



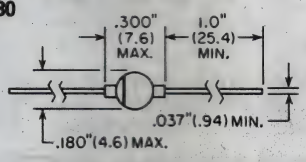
PIN Diodes

ECG Type	Description and Application	Max. Power (mW)	V (BR) R Min. (Volts)	IR Max. (nA)	CT Max. (pf)	LS Typ. (nH)	RA Max. (Ohms)	Fig. No.
ECG553	Si PIN Diode, UHF, VHF Switch	200	30	150	2	2.5	1.2	Z4
ECG555A	Si PIN Diode, Gen Purp & VHF Switch	250	35	100	1.2	---	0.7	Z11A

F

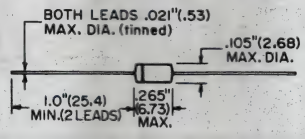
Diode and Rectifier Outlines

Fig. Z1A
ECG580



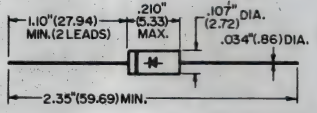
COLOR BAND INDICATES CATHODE END

Fig. Z2 **D07**
ECG
109
110MP



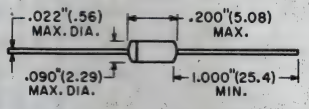
(COLOR BAND DENOTES CATHODE)

Fig. Z3 **DO-41**
ECG
116
125
552
558
578
585
587



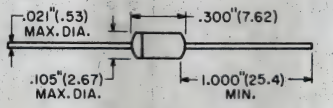
COLOR BAND DENOTES CATHODE

Fig. Z4 **DO-35**
ECG
112
177
519
553
583
584
600



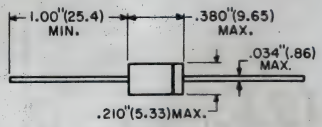
COLOR BAND DENOTES CATHODE

Fig. Z5
ECG178MP



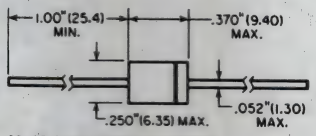
(COLOR BAND DENOTES CATHODE)

Fig. Z6
ECG
156
506
507



COLOR BAND DENOTES CATHODE

Fig. Z6A **DO-27**
ECG
525
569
576
577
579
586
588



COLOR BAND DENOTES CATHODE

Fig. Z7
ECG
606
607

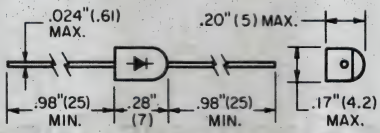


Fig. Z8
ECG515

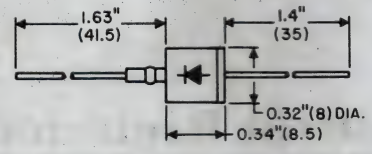
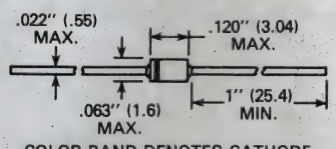
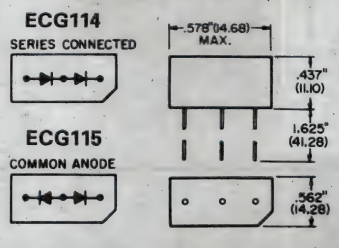


Fig. Z11A
ECG555A



COLOR BAND DENOTES CATHODE

Fig. Z12



Diode and Rectifier Outlines (cont'd)

Fig. Z13
ECG
610
611
612
613
614

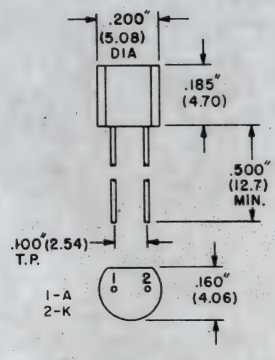


Fig. Z15
ECG113A

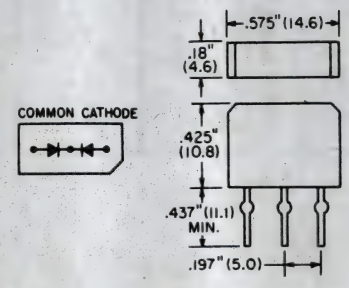


Fig. Z17
ECG120

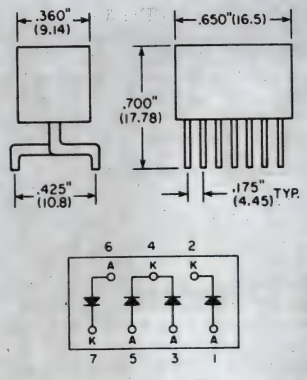


Fig. Z17A
ECG582

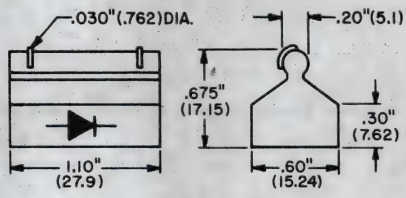


Fig. Z41A
ECG581

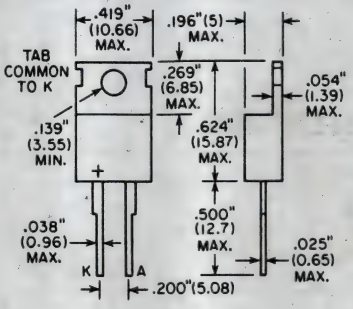
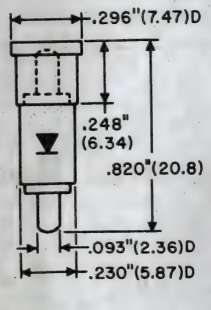


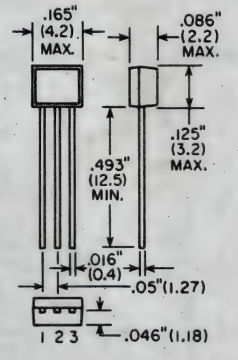
Fig. Z64
1N415C
1N415E
1N416C
1N416E



DIODE POLARITY IS REVERSED WHEN BRASS CAP IS REMOVED AND PLACED ON OPPOSITE END

Fig. Z67
ECG
590
591

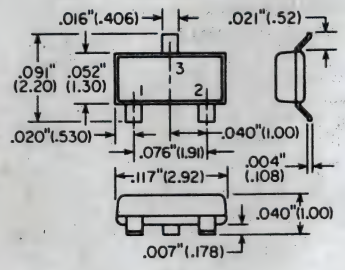
SP-92



ECG	1	2	3
590	A	K	A
591	K	A	K

Fig. Z69
ECG
592
593
594
595
596

SOT-23



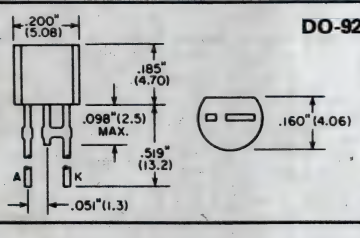
ECG	1	2	3
592	A	NC	K
593	A	NC	K
594	A	NC	K
595	A	A	K
596	K	K	A

Voltage Regulator for Electronic Tuner

ECG615A	Min.	Typ.	Max.	$T_A = 25°C$
Vz	31	33	35	V
$\Delta Vz/\Delta T$	−1	0	+1	mV/°C
P_D	200 mW ($T_A = 75°C$)			

Fig. Z13-2
ECG615A

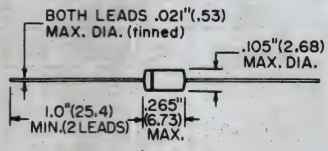
DO-92



Varistors (Temperature Compensating Diodes)

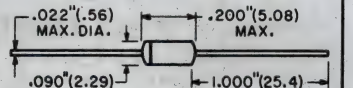
ECG Type	Description	Forward Current I_F mA	Forward Voltage V_F Min. Volts	Forward Voltage V_F Max. Volts	Change Per °C in mV	Fig. No.
ECG600	Silicon	10	0.63 at 3 mA	0.69 at 3 mA	2	Z4
ECG601	Silicon	20	0.56 at 1.5 mA	0.61 at 1.5 mA	1.5	Z4
ECG605A	Silicon	100	1.26 at 3 mA	1.36 at 3 mA	4.6	Z2

Fig. Z2 ECG605A



(COLOR BAND DENOTES CATHODE)

Fig. Z4 DO-35 ECG600 ECG601

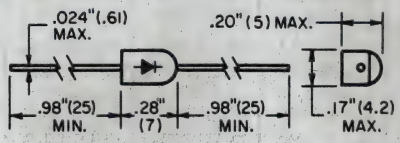


COLOR BAND DENOTES CATHODE

Varistors (Voltage Compensating Diodes)

ECG Type	Forward Characteristics	Maximum Forward DC Current	Maximum Surge Current for 10 msec	Reverse Characteristics
ECG606	1.8 V±0.2 V at 1 mA 2.3 V±0.25 V at 70 mA	150 mA	27 A	10 μA Max at 100 V
ECG607	2.35 V±0.25 V at 1 mA 3.0 V±0.3 V at 70 mA	100 mA	25 A	10 μA Max at 100 V

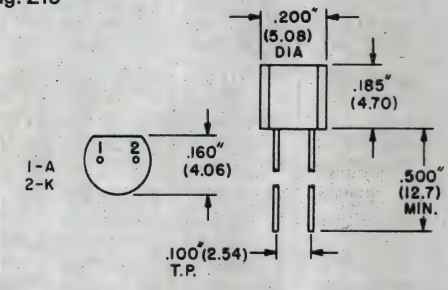
Fig. Z7 ECG 606 607



Varactors (Variable Capacitance Diodes)

ECG Type	Cap. at 4 Volts pF	Cap. Ratio C2/C30	Reverse Voltage V_R Volts Max.	Forward Current I_F mA Max.	Device Diss. P_D mW Max.
ECG610	6.8	2.7	30	200	280
ECG611	10.0	2.9	30	200	280
ECG612	12.0	2.9	30	200	280
ECG613	22.0	2.9	30	200	280
ECG614	33.0	3.2	30	200	280

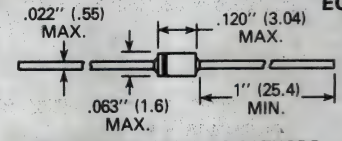
Fig. Z13 ECG 610 611 612 613 614



Matched Varactors (Variable Capacitance Diodes) (Matched Set of Four)

ECG Type	Matched Cap. at 3 Volts pF	Cap. Ratio C3/C25	Reverse Voltage V_R Volts Max.	Max. Osc. Freq. at 3 V GHz	Series Inductance L_S (nH)	Series Resistance R_S Max. Ohms
ECG616	11	5.5	30	24	2.5	0.8

Fig. Z11A ECG616



COLOR BAND DENOTES CATHODE

Varactors (Radio Tuning Diodes)

ECG Type	Application Band	Cap. I_n pF	Cap. I_n pF	Cap. Ratio	Reverse Voltage V_R Max Volts	Q Min. @ 100 MHz	Fig. No.
ECG617	FM Tuning	39 at 3 V	15 at 30 V	2.6	32	100 at 3 V	Z13-1
ECG618	AM Tuning	440 at 1.2 V	22 at 8 V	15.5	12	200 at 1 V	Z13-2

Fig. Z13-1 ECG617

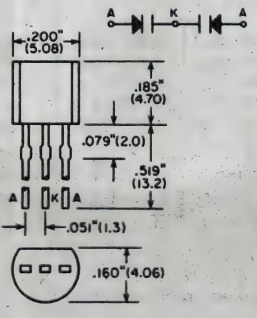
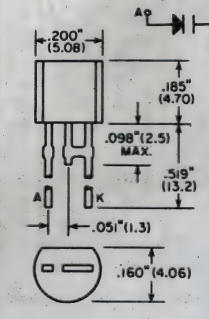


Fig. Z13-2 ECG618



Zener Diodes

Note: 10 watt and 50 watt Zeners listed have anode connected to stud. Add suffix letter "K" to the ECG number for cathode connected to stud. The ECG type numbers shown have a standard tolerance for the Zener voltage of ±5%.

Voltage (See Note for Tolerance)	Axial Lead			Stud Mount DO-4	Stud Mount DO-5
	Fig. No. Z3A		Z18	Z19	Z20
	½ Watt†	1 Watt†	5 Watt	10 Watt	50 Watt
2.4	ECG5000A	---	---	---	---
2.5	ECG5001A	---	---	---	---
2.7	ECG5002A	ECG5063A	---	---	---
2.8	ECG5003A	---	---	---	---
3.0	ECG5004A	ECG5065A	---	---	---
3.3	ECG5005A	ECG5066A	ECG5111A	ECG5172A	---
3.6	ECG5006A	ECG134A	ECG5112A	ECG5173A	---
3.9	ECG5007A	ECG5067A	ECG5113A	ECG5174A	ECG5240A
4.3	ECG5008A	ECG5068A	ECG5114A	ECG5175A	ECG5241A
4.7	ECG5009A	ECG5069A	ECG5115A	ECG5176A	ECG5242A
5.1	ECG5010A	ECG135A	ECG5116A	ECG5177A	ECG5243A
5.6	ECG5011A	ECG136A	ECG5117A	ECG5178A	ECG5244A
6.0	ECG5012A	ECG5070A	ECG5118A	ECG5179A	ECG5245A
6.2	ECG5013A	ECG137A	ECG5119A	ECG5180A	ECG5246A
6.8	ECG5014A	ECG5071A	ECG5120A	ECG5181A	ECG5247A
7.5	ECG5015A	ECG138A	ECG5121A	ECG5182A	ECG5248A
8.2	ECG5016A	ECG5072A	ECG5122A	ECG5183A	ECG5249A
8.7	ECG5017A	ECG5073A	ECG5123A	ECG5184A	ECG5250A
9.1	ECG5018A	ECG139A	ECG5124A	ECG5185A	ECG5251A
10.0	ECG5019A	ECG140A	ECG5125A	ECG5186A	ECG5252A
11.0	ECG5020A	ECG5074A	ECG5126A	ECG5187A	ECG5253A
11.5	---	ECG141A	---	---	---
12.0	ECG5021A	ECG142A	ECG5127A	ECG5188A	ECG5254A
13.0	ECG5022A	ECG143A	ECG5128A	ECG5189A	ECG5255A
14.0	ECG5023A	ECG144A	ECG5129A	ECG5190A	ECG5256A
15.0	ECG5024A	ECG145A	ECG5130A	ECG5191A	ECG5257A
16.0	ECG5025A	ECG5075A	ECG5131A	ECG5192A	ECG5258A
17.0	ECG5026A	ECG5076A	ECG5132A	ECG5193A	ECG5259A
18.0	ECG5027A	ECG5077A	ECG5133A	ECG5194A	ECG5260A
19.0	ECG5028A	ECG5078A	ECG5134A	ECG5195A	ECG5261A
20.0	ECG5029A	ECG5079A	ECG5135A	ECG5196A	ECG5262A
22.0	ECG5030A	ECG5080A	ECG5136A	ECG5197A	ECG5263A
24.0	ECG5031A	ECG5081A	ECG5137A	ECG5198A	ECG5264A
25.0	ECG5032A	ECG5082A	ECG5138A	ECG5199A	ECG5265A
27.0	ECG5033A	ECG146A	ECG5139A	ECG5200A	ECG5266A
28.0	ECG5034A	ECG5083A	ECG5140A	ECG5201A	ECG5267A
30.0	ECG5035A	ECG5084A	ECG5141A	ECG5202A	ECG5268A
33.0	ECG5036A	ECG147A	ECG5142A	ECG5203A	ECG5269A
36.0	ECG5037A	ECG5085A	ECG5143A	ECG5204A	ECG5270A
39.0	ECG5038A	ECG5086A	ECG5144A	ECG5205A	ECG5271A
43.0	ECG5039A	ECG5087A	ECG5145A	ECG5206A	ECG5272A
45.0	---	---	---	ECG5207A	ECG5273A
47.0	ECG5040A	ECG5088A	ECG5146A	ECG5208A	ECG5274A
50.0	---	---	---	ECG5209A	ECG5275A
51.0	ECG5041A	ECG5089A	ECG5147A	ECG5210A	ECG5276A
52.0	---	---	---	ECG5211A	ECG5277A
55.0	---	ECG148A	---	---	---
56.0	ECG5042A	ECG5090A	ECG5148A	ECG5212A	ECG5278A
60.0	ECG5043A	ECG5091A	ECG5149A	ECG5213A	ECG5279A
62.0	ECG5044A	ECG149A	ECG5150A	ECG5214A	ECG5280A
68.0	ECG5045A	ECG5092A	ECG5151A	ECG5215A	ECG5281A
75.0	ECG5046A	ECG5093A	ECG5152A	ECG5216A	ECG5282A
82.0	ECG5047A	ECG150A	ECG5153A	ECG5217A	ECG5283A
87.0	ECG5048A	ECG5094A	ECG5154A	ECG5218A	---
91.0	ECG5049A	ECG5095A	ECG5155A	ECG5219A	ECG5284A
100.0	ECG5050A	ECG5096A	ECG5156A	ECG5220A	ECG5285A
105.0	---	---	---	ECG5221A	ECG5286A
110.0	ECG5051A	ECG151A	ECG5157A	ECG5222A	ECG5287A
120.0	ECG5052A	ECG5097A	ECG5158A	ECG5223A	ECG5288A
123.0*	ECG5107T2	---	---	---	---
130.0	ECG5053A	ECG5098A	ECG5159A	ECG5224A	ECG5289A
140.0	ECG5054A	ECG5099A	ECG5160A	ECG5225A	ECG5290A
150.0	ECG5055A	ECG5100A	ECG5161A	ECG5226A	ECG5291A
160.0	ECG5056A	ECG5101A	ECG5162A	ECG5227A	ECG5292A
170.0	ECG5057A	ECG5102A	ECG5163A	ECG5228A	---
175.0	---	---	---	ECG5229A	ECG5293A
180.0	ECG5058A	ECG5103A	ECG5164A	ECG5230A	ECG5294A
190.0	ECG5059A	ECG5104A	ECG5165A	ECG5231A	ECG5295A
200.0	ECG5060A	ECG5105A	ECG5166A	ECG5232A	ECG5296A

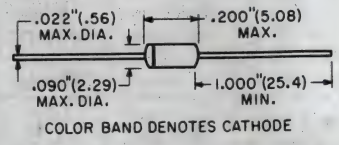
* 2% Tolerance

† ½ W and 1 W, 5% Tolerance Zeners are supplied 2 Per Pkg.

1% Tolerance - ½ Watt

ECG Type	Nominal Zener Voltage @ T_A=25°C V_Z @ I_{ZT}=20 mA*
ECG5010T1	5.1
ECG5011T1	5.6
ECG5013T1	6.2
ECG5019T1	10
ECG5021T1	12

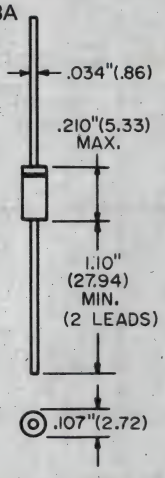
Fig. Z4



COLOR BAND DENOTES CATHODE

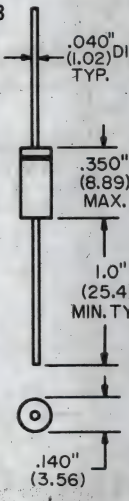
* I_{ZT} = Test Current

Fig. Z3A



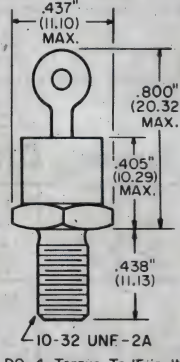
COLOR BAND DENOTES CATHODE

Fig. Z18



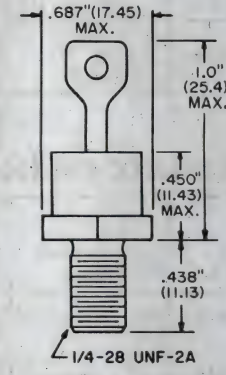
COLOR BAND DENOTES CATHODE

Fig. Z19



DO-4-Torque To 15 in-lbs. min; 20 in-lbs. max.

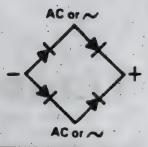
Fig. Z20



DO-5-Torque To 25 in-lbs. min; 30 in-lbs. max.

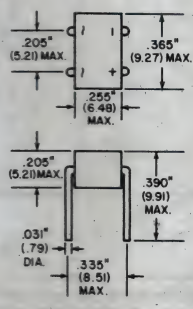
Bridge Rectifiers (Silicon)

Single-Phase

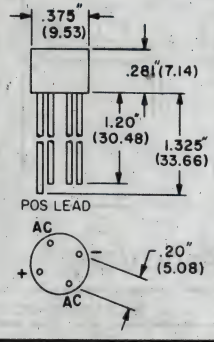


Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)				
	1 A	1.5 A	2 A	4 A	
100			ECG166		
200			ECG167	ECG5309	ECG5318
400		ECG5304	ECG168		
600	ECG5332	ECG5305	ECG169	ECG5310	ECG5319
800		ECG5306			
1000	ECG5334	ECG5307	ECG170	ECG5311	ECG5320
Peak Forward Surge Current (Amps)	50	50	60	250	200
Max. Forward Voltage Per. Element V_F (Volts)	1.0	1.0	1.0	1.0	1.0
T_A at Rated I_O (°C) Max	+40	+25	+25	+40	+50
Fig. No.	Z21	Z22	Z23	Z23-1	Z68A

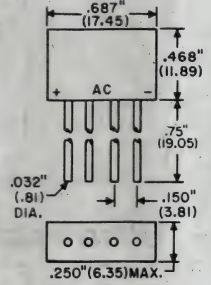
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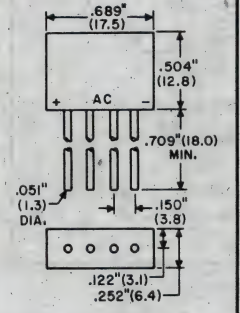
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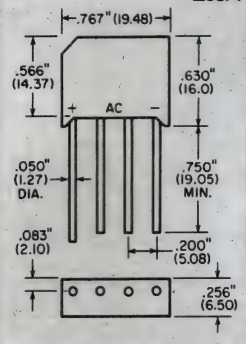
Z23



Z23-1

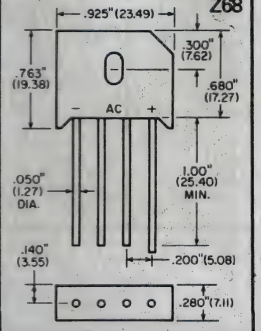


Z68A

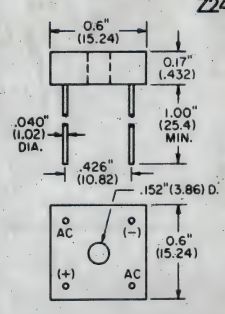


Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)					
	6 A	8 A	25 A	40 A	80 A	100 A
100		ECG5312				
200	ECG5329	ECG5313	ECG5322	ECG5340		
400		ECG5314	ECG5324			
600	ECG5330	ECG5315	ECG5326	ECG5342	ECG5346	ECG5348
800		ECG5316	ECG5327			
1000	ECG5331	ECG5317	ECG5328	ECG5344		
Peak Forward Surge Current (Amps)	200	125	300	400	800	1000
Max. Forward Voltage Per. Element V_F (Volts)	1.0	1.2	1.2	1.1	1.6	1.4
T_A at Rated I_O (°C) Max	+40	+50	+60	+60	+85	+80
Fig. No.	Z68	Z24	Z25		Z65	

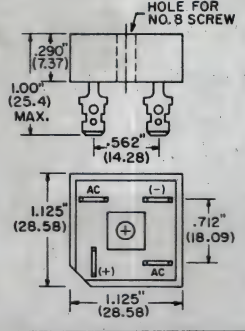
Z68



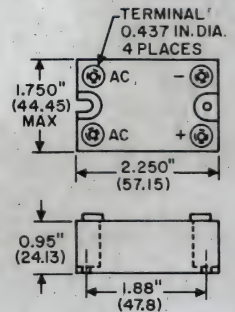
Z24



Z25

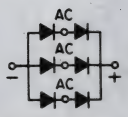


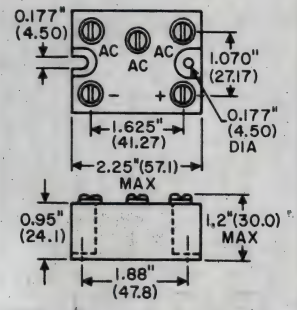
Z65



Full Wave Rectifiers

Three-Phase

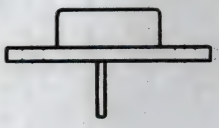


Peak Reverse Voltage (PRV Volts)	I_o, Average Rectified Forward Current (Amps)	
	60 A	**100 A**
200		
400		
600	ECG5335	ECG5338
800		
1000		
Peak Forward Surge Current (Amps)	500	800
Max. Forward Voltage Per Element V_F (Volts)	1.25	1.25
T_C at Rated I_o (°C) Max.	+70	+100
Fig. No.	Z66	
Package		

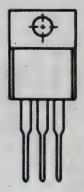
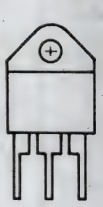
Standard Recovery

Peak Reverse Voltage (PRV Volts)	I_o, Average Rectified Forward Current (Amps)
	30 A (15 A/Leg)
200	ECG6200
400	ECG6202
600	ECG6204
I_{FM} Surge (Per Diode)	250 A
T_C @ Rated I_o Max (°C)	+100
Forward Voltage Drop @ Rated I_o, V_F (Volts) (Per Diode)	1 Typ 1.2 Max
Fig. No.	Z43
Package	TO-3 Case/Cathode 

Fast Recovery

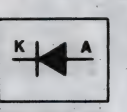
Reverse Recovery Time, Trr = 200 ns Max	
Peak Reverse Voltage (PRV Volts)	I_o, Average Rectified Forward Current (Amps)
	30 A (15 A/Leg)
200	ECG6206
400	ECG6208
600	ECG6210
I_{FM} Surge (Per Diode)	150 A
T_C @ Rated I_o Max (°C)	+100
Forward Voltage Drop @ Rated I_o, V_F (Volts) (Per Diode)	1 Typ 1.4 Max
Fig. No.	Z43
Package	TO-3 Case/Cathode 

Ultra Fast Recovery

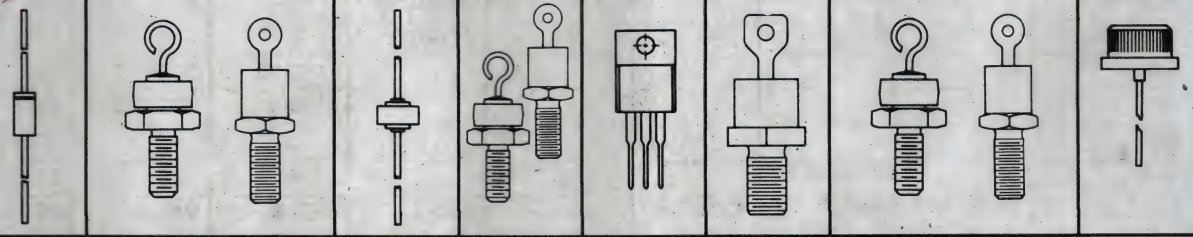
Peak Reverse Voltage (PRV Volts)	I_o, Average Rectified Forward Current (Amps)				
	16 A (8 A/Leg)			**30 A (15 A/Leg)**	
200	ECG6240	ECG6244		ECG6246	
400					
600			ECG6241		ECG6247
I_{FM} Surge (Per Diode)	100 A	200 A	100 A	200 A	150 A
T_C @ Rated I_o Max (°C)	+150	+100	+150	+150	+145
Forward Voltage Drop @ Rated I_o, V_F (Volts) (Per Diode)	.90	.95	1.5	.85	1.5
Reverse Recovery Time (ns)	35	35	50	35	60
Fig. No.	Z41B			Z41C	
Package	TO-220 			TO-3P (TO-218) 	

Industrial Rectifiers

Note: Standard polarity is cathode to case.
* Indicates polarity is anode to case.



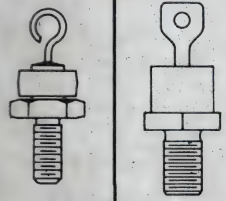
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)									
	3 A		6 A	6 A/22 A	12 A		15 A	16 A	20 A	25 A
50	ECG5800	ECG5830	ECG5850		ECG5870		ECG5940	ECG5892	ECG5912	
50		ECG5831*	ECG5851*		ECG5871*		ECG5941*	ECG5893*	ECG5913*	
100	ECG5801			ECG5812						
200	ECG5802	ECG5834	ECG5854		ECG5874		ECG5944	ECG5896	ECG5916	
200		ECG5835*	ECG5855*		ECG5875*		ECG5945*	ECG5897*	ECG5917*	
400	ECG5804	ECG5838	ECG5858	ECG5814	ECG5878		ECG5948	ECG5900	ECG5920	ECG5962
400		ECG5839*	ECG5859*		ECG5879*		ECG5949*	ECG5901*	ECG5921*	ECG5963*
600	ECG5806	ECG5842	ECG5862	ECG5815	ECG5882	ECG6013	ECG5952	ECG5904	ECG5924	
600		ECG5843*	ECG5863*		ECG5883*		ECG5953*	ECG5905*	ECG5925*	
800	ECG5808	ECG5846	ECG5866		ECG5886			ECG5908	ECG5928	ECG5966
800		ECG5847*	ECG5867*		ECG5887*			ECG5909*	ECG5929*	ECG5967*
1000	ECG5809	ECG5848	ECG5868	ECG5817	ECG5890			ECG5910	ECG5932	
1000		ECG5849*	ECG5869*		ECG5891*			ECG5911*	ECG5933*	
I_{FM} Surge	150 A	40 A	150 A	400 A	250 A	300 A	250 A	300 A	400 A	300 A
T_C at Rated I_O (°C) Max	+105 (T_L)	+150	+150	See # Note	+150	+80	+150	+150	+150	+100
V_F at Rated I_O	.9 V Typ 1.0 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.8 V Typ .9 V Max	.9 V Typ 1.1 V Max	1.0 V Typ 1.6 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max
Fig. No.	Z18A	Z19		Z26	Z19	Z41B	Z20	Z19		Z27
Package	Axial	DO-4		Axial	DO-4	TO-220	DO-5	DO-4		Press Fit



I_O = 6 A with PC Board Mtg., T_A = 60°C, I_O = 22 A, 1/8" Leads, T_L = 60°C

Fast Recovery

Reverse Recovery Time, T_{rr} = 200 ns Max		
Peak Reverse Voltage (PRV Volts)	I_O (Amps)	
	12 A	40 A
200	ECG5818	ECG6006
200	ECG5819*	ECG6007*
400	ECG5820	ECG6008
400	ECG5821*	ECG6009*
600	ECG5822	ECG6010
600	ECG5823*	ECG6011*
I_{FM} Surge	200 A	350 A
T_C at Rated I_O (°C) Max	+100	+100
V_F at Rated I_O	.9 V Typ 1.1 V Max	1.0 V Typ 1.4 V Max
Fig. No.	Z19	Z20
Package	DO-4	DO-5



Ultra Fast Recovery

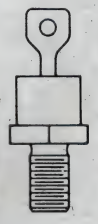
Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)		
	8 A		15 A
200	ECG597		ECG599
400			
600		ECG598	
I_{FM} Surge (Per Diode)	100 A	100 A	200 A
T_C @ Rated I_O Max (°C)	+125	+125	+150
Forward Voltage Drop @ Rated I_O, V_F (Volts) (Per Diode)	1.3	1.5	1.0
Reverse Recovery Time (ns)	35	60	35
Fig. No.	Z41A		
Package	TO-220 (2-Pin)		

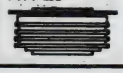


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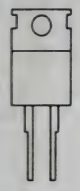
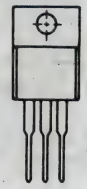
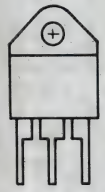
Industrial Rectifiers (cont'd)

Note: Standard polarity is cathode to case.
* Indicates polarity is anode to case.

Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)								
	40 A	50 A	60 A	70 A	85 A	150 A	300 A	450 A	550 A
50	ECG5980		ECG6020	ECG6048					
50	ECG5981*		ECG6021*	ECG6049*					
100	ECG5982		ECG6022	ECG6050					
100	ECG5983*		ECG6023*	ECG6051*					
200	ECG5986		ECG6026	ECG6054	ECG6074				
200	ECG5987*		ECG6027*	ECG6055*	ECG6075*				
300	ECG5988								
300	ECG5989*								
400	ECG5990	ECG5826	ECG6034	ECG6060		ECG6154	ECG6354		
400	ECG5991*	ECG5827*	ECG6035*	ECG6061*		ECG6155*	ECG6355*		
500	ECG5992								
500	ECG5993*								
600	ECG5994		ECG6040	ECG6064	ECG6076	ECG6156	ECG6356		ECG6102
600	ECG5995*		ECG6041*	ECG6065*	ECG6077*	ECG6157*	ECG6357*		ECG6103*
800	ECG5998	ECG5828	ECG6042	ECG6068					
800	ECG5999*	ECG5829*	ECG6043*	ECG6069*					
1000	ECG6002		ECG6044	ECG6072		ECG6158	ECG6358		
1000	ECG6003*		ECG6045*	ECG6073*		ECG6159*	ECG6359*		
1200					ECG6078				ECG6104
1200					ECG6079*				ECG6105*
1400						ECG6162	ECG6362		
1400						ECG6163*	ECG6363*		
1600								ECG6106	
1600								ECG6107*	
I_{FM} Surge	500 A	600 A	700 A	1200 A	1500 A	2100 A	5000 A	8500 A	10,000 A
T_C at Rated I_O (°C) Max	+150	+150	+125	+125	+120	+130	+130	+120	+125
V_F at Rated I_O	1.0 V Typ 1.2 V Max	.9 V Typ 1.0 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.1 V Max	1.0 V Typ 1.1 V Max	1.0 V Typ 1.2 V Max	1.1 V Typ 1.45 V Max	1.0 V Typ 1.1 V Max
Fig. No.	Z20	Z28	Z20			Z29	Z30	Z31	
Package	DO-5 	Press Fit 	DO-5 			DO-8 	DO-9 	SR-75 	

Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)		
	500 A	1200 A	2200 A
600	ECG6110	ECG6113	ECG6116
1200	ECG6112	ECG6115	ECG6118
I_{FM} Surge	6500 A	12,500 A	30,000 A
T_C at Rated I_O (°C) Max	+110	+105	+105
V_F at Rated I_O	1.4 V Typ 1.85 V Max	1.2 V Typ 1.6 V Max	1.1 V Typ 1.45 V Max
Fig. No.	Z32	Z33	Z34
Package	HR-16 	HR-23 	HR-29 

Schottky Barrier Rectifiers

Peak Reverse Voltage (PRV Volts)	I_O, Average Rectified Forward Current (Amps)						
	10 A	12 A* (6 A/Leg)	20 A* (10 A/Leg)	30 A* (15 A/Leg)		35 A	60 A
40	---	ECG6085	---	---	---	---	---
45	ECG6083	---	---	ECG6087	ECG6090	ECG6084	ECG6094
100	---	---	ECG6086	---	---	---	---
I_{FM} Surge (A)	150	140/Leg	150/Leg	150/Leg	200/Leg	600	800
T_C @ Rated I_o (°C) Max	+120	+120	+130	+130	+105	95	95
Forward Voltage Drop @ Rated I_o, V_F (V)	.60	.65/Leg	.85/Leg	.73/Leg	.72/Leg	.60	.65
Fig. No.	Z41A	Z41B			Z41C	Z19	Z20
Package	TO-220	TO-220			TO-3P(TO-218)	DO-4	DO-5
Available in Cathode to Case Only							

* Dual Rectifiers

Industrial Rectifier Outlines

Fig. Z18A **Axial**

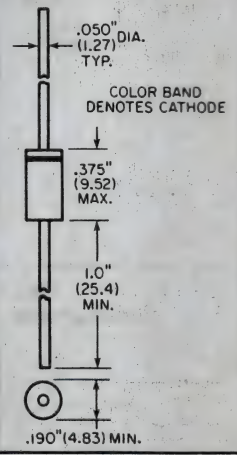


Fig. Z19 **DO-4**

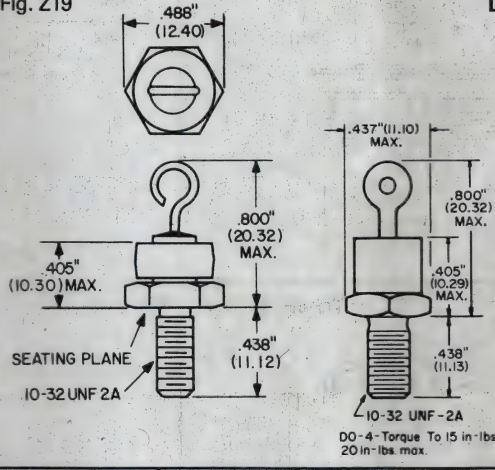


Fig. Z20 **DO-5**

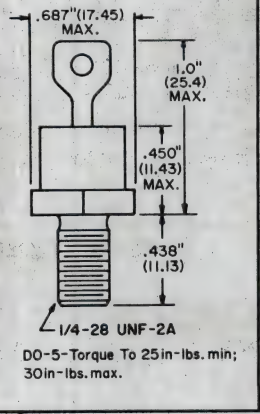
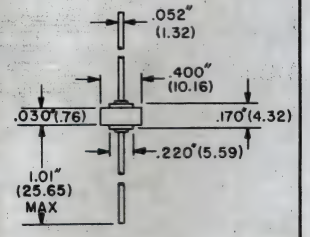


Fig. Z26 **Axial**



Note: I_O = 6A with PC Board Mtg., T_A = 60°C; I_O = 22A, 1/8" Leads, T_L = 60°C

Fig. Z27 **Press Fit**

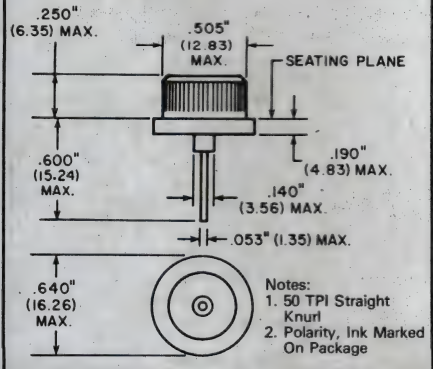


Fig. Z28 **Press Fit**

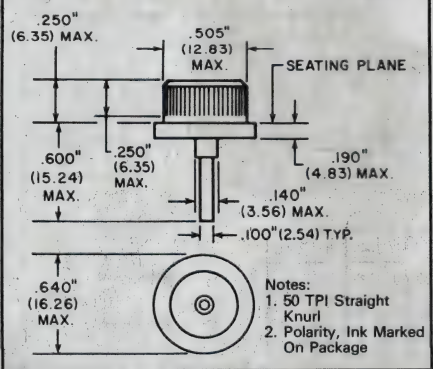
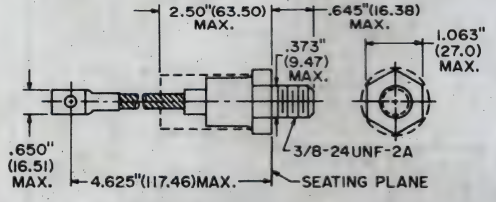


Fig. Z29 **DO-8**

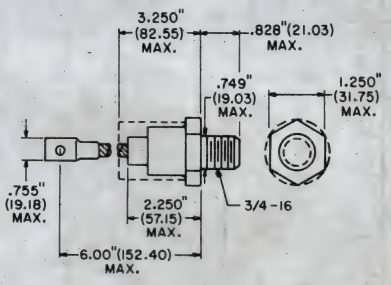


Torque to 90 in-lbs min.
100 in-lbs max

F

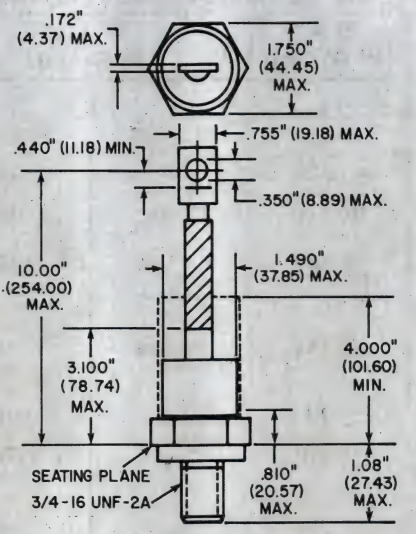
Industrial Rectifier Outlines (cont'd)

Fig Z30 **DO-9**



Torque to 275 in-lbs. Min;
320 in-lbs. Max

Fig. Z31 **SR-75**



Torque to 360 in-lbs. Max

Fig. Z32 **HR-16**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 1400 Lbs (6.2 KN)

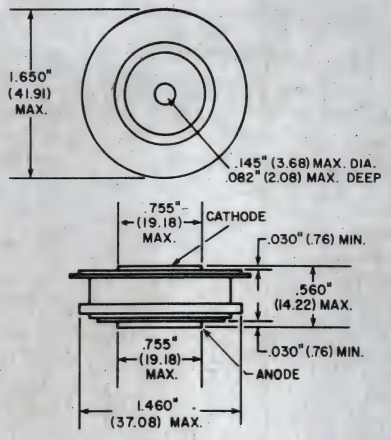


Fig. Z33 **HR-23**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 2400 Lbs (10.7 KN)

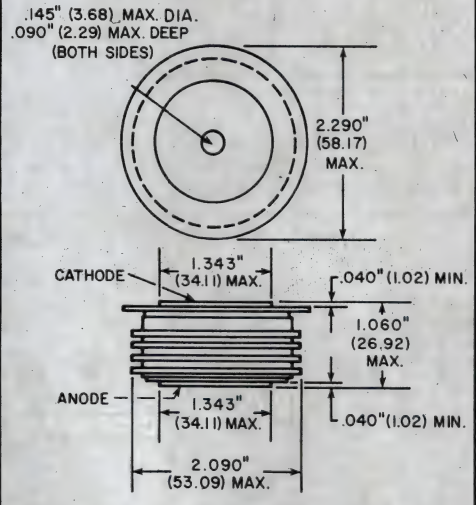


Fig. Z34 **HR-29**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 6000 Lbs (26.7 KN)

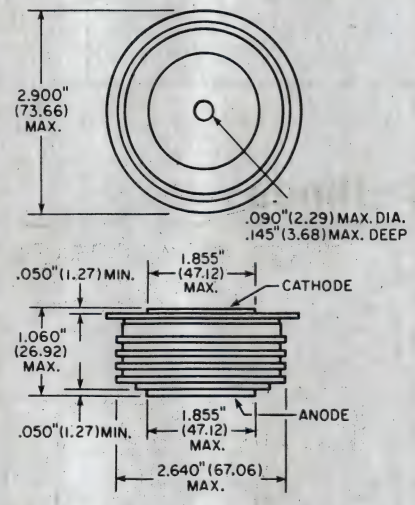


Fig. Z41A **TO-220 (2-Pin)**

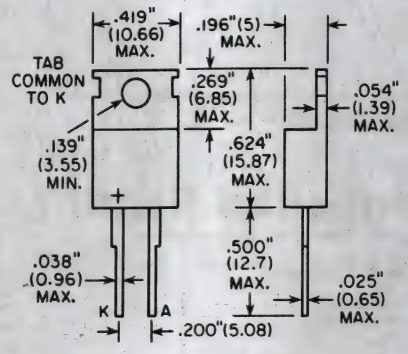
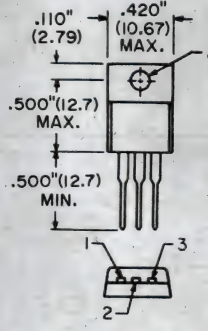
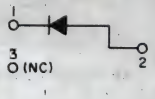


Fig. Z41B **TO-220**



† Internal Circuit
for ECG6013



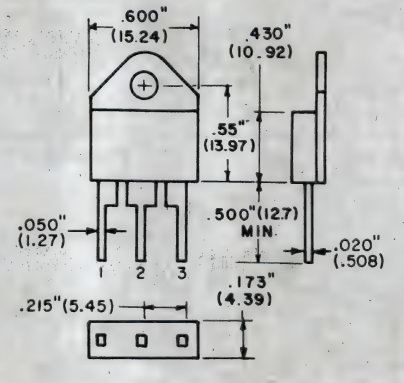


• Internal Circuit
for ECG6244



ECG	1	2	3	TAB
6013†	K	A	NC	NC
6085	A	K	A	K
6086	A	K	A	K
6087	A	K	A	K
6240	A	K	A	K
6241	A	K	A	K
6244•	K	A	K	A

Fig. Z41C **TO-3P (TO-218)**



ECG	1	2	3	TAB
6090	A	K	A	K
6246	A	K	A	K
6247	A	K	A	K

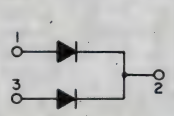
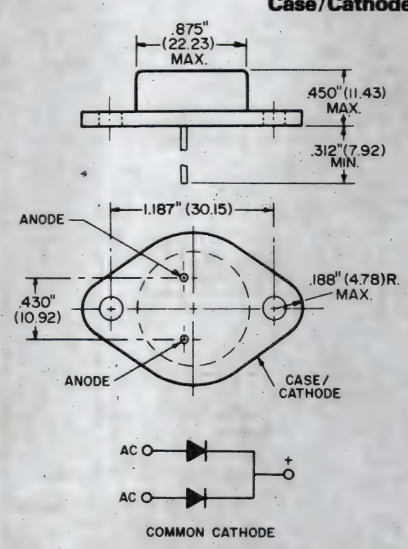


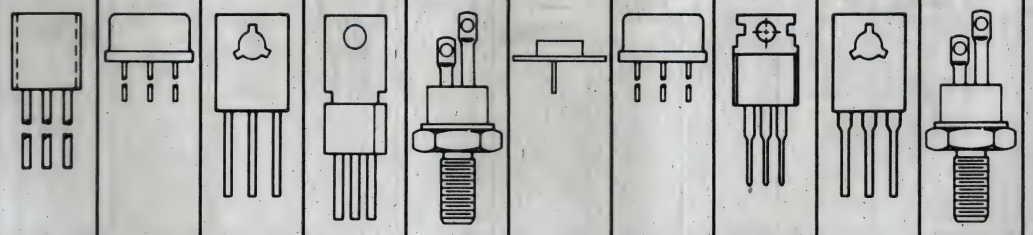
Fig. Z43 **TO-3**
Case/Cathode



Silicon Controlled Rectifiers (SCR)

Phase Control - SCR

V_{DRM}	I_T RMS - All Conduction Angles		I_T Max Forward Current (Amps)								I_T Ave - Conduction Angle = 180°	
RMS	.8A	3 A	4 A		5 A		*7 A	8 A			10 A	
Av.	.5 A	1.9 A	2.5 A		3.2 A		4.3 A	5.1 A			6.2 A	
30	ECG5400		ECG5411	ECG5452								
50				ECG5453	ECG5470				ECG5442	ECG5481		
60	ECG5401		ECG5412									
100	ECG5402		ECG5413	ECG5454	ECG5471					ECG5482		
200	ECG5404	ECG5408	ECG5414	ECG5455	ECG5472	ECG5511	ECG5427		ECG5444	ECG5483	ECG5417	
400	ECG5405	ECG5409	ECG5415	ECG5457	ECG5474	ECG5512	ECG5428	ECG5437	ECG5446	ECG5485	ECG5418	ECG5426
600	ECG5406	ECG5410	ECG5416	ECG5458	ECG5476	ECG5513	ECG5429	ECG5438	ECG5448	ECG5487	ECG5419	
I_{GT} Min	200 µA #	10 mA	200 µA #	200 µA #	10 mA	15 mA	15 mA	200 µA #	30 mA	20 mA	15 mA	200 µA #
V_{GT} Max (V)	0.8	1.5	1.0	0.8	1.5	2.0	1.5	1.5	1.5	1.5	1.5	0.8
I_{Surge} (A)	6.0	30	25	20	100	60	100	100	80	100	100	100
I_{Hold} Min (mA)	5.0	20	5.0	3.0	25	20	20	6.0	40	25	30	3.0
V_{GFM} (V)	8.0	10	6.0	6.0	6.0	10	6.0	5.0	6.0	10	5.0	5.0
V_{GRM} (V)	8.0	10	6.0	6.0	6.0	5.0	6.0	5.0	6.0	10	5.0	5.0
V_F on (V) Max	1.7	1.6	2.0	2.2	2.0	2.8	2.6	2.0	1.5	1.3	1.6	1.6
P_G Av (W)	.01	0.3	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temp. T_j°C	−65 to +125	−40 to +125	−40 to +110		−40 to +110		−65 to +100	−40 to +110		−40 to +100	−40 to +110	
dv/dt (Typ) V/µsec	30	30	10		50	200	100	10	50	50	20	
Fig. No.	Z36	Z35	Z38	Z40	Z48	Z42	Z35	Z41	Z39	Z48	Z41	
Package	TO-92	TO-5M	TO-126	TO-202	TO-64	TO-66	TO-5M	TO-220	TO-127	TO-64	Isolated Tab TO-220	



Return Gate to Cathode through 1000 ohms minimum.
* If I_{TRMS} exceeds 4 A, anode connection must be made to case.

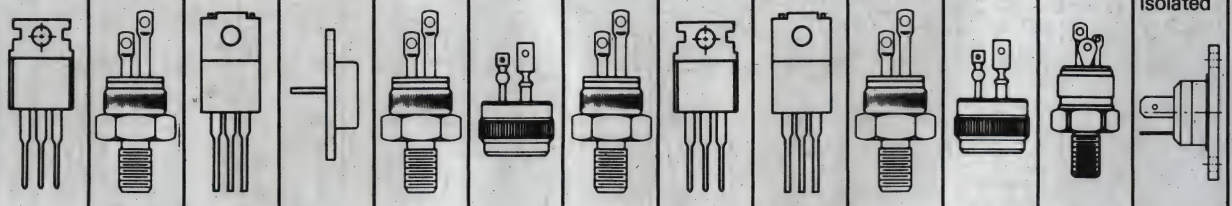
Package Outlines - See Page 1-112

discontinued

G

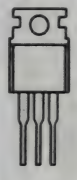
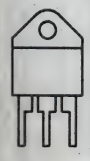
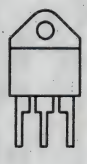
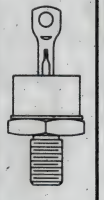
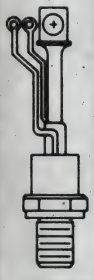
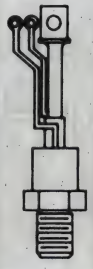
Phase Control - SCR (cont'd)

V_{DRM}	I_T RMS - All Conduction Angles	I_T Max Forward Current (Amps)									I_T Ave - Conduction Angle = 180°			
	RMS	10 A			12.5 A	16 A	20 A	25 A			35 A			40 A
	Av.	6.2 A			8 A	10 A	13 A	16 A			22 A			25 A
50		ECG5461				ECG5501		ECG5521	ECG5550		ECG5541			
100		ECG5462	ECG5491			ECG5502		ECG5522			ECG5542			
200		ECG5463	ECG5492			ECG5504	ECG5514	ECG5524	ECG5552		ECG5543	ECG5517	ECG5562	
400		ECG5465	ECG5494		ECG314	ECG5507	ECG5515	ECG5527	ECG5554		ECG5545	ECG5518	ECG5564	
600		ECG5466	ECG5496			ECG5509	ECG5516	ECG5529	ECG5556		ECG5547	ECG5519	ECG5566	ECG5534A
800		ECG5468		ECG5440				ECG5531	ECG5558	ECG5460	ECG5548			
I_{GT} Min (mA)		15	15	15	40	25	15	40	40	40	40	40	40	50
V_{GT} Max (V)		1.5	2.0	1.5	2.0	2.5	2.0	2.0	1.5	1.5	1.5	2.0	1.6	2.0
I_{Surge} (A)		100	200	100	200	125	200	150	300	300	325	350	350	440
I_{Hold} Min (mA)		20	20	20	50	25	20	50	40	40	50	50	50	75
V_{GFM} (V)		10	10	5	10	10	10	10	10	10	10	10	10	10
V_{GRM} (V)		5.0	10	5	5.0	5.0	5.0	5.0	10	10	10	10	10	10
V_F on Max (V)		1.8	2.5	1.8	1.8	2.5	2.4	2.0	1.8	1.8	1.5	1.8	1.4	1.8
P_G Av (W)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1
Operating Temp. T_j°C		−40 to +100		−40 to +110	−40 to +100	−65 to +125	−40 to +100	−65 to +125	−40 to +125		−40 to +100			−40 to +125
dv/dt (Typ) V/μsec		100	30	50	100	30	50	30	50	100	50			500
Fig. No.		Z41	Z49	Z41D	Z43	Z49	Z46	Z49	Z41	Z41D	Z49	Z46	Z50	Z45A
Package		TO-220	TO-48	TO-220J	TO-3	TO-48	1/2" Press Fit	TO-48	TO-220	TO-220J	TO-48	1/2" Press Fit	Isolated Stud	TO-3 Flange Isolated



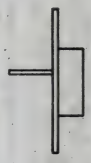
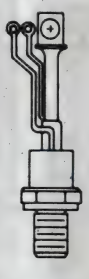
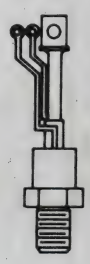
Package Outlines - See Page 1-112

Phase Control - SCR (cont'd)

V_{DRM}	$I_{T\ RMS}$ - All Conduction Angles				I_T Max Forward Current (Amps)						$I_{T\ Ave}$ - Conduction Angle = 180°
	RMS	40 A	50 A	55 A	80 A	125 A		275 A	470 A	550 A	850 A	1880 A
	Av.	25 A	32 A	35 A	50 A	80 A		175 A	300 A	350 A	550 A	1200 A
200					ECG5567	ECG5570	ECG5575	ECG5580	ECG5590		ECG5594	
400				ECG5539								
600					ECG5568	ECG5572	ECG5577	ECG5582	ECG5591	ECG5587	ECG5595	ECG5598
800		ECG5536	ECG5538	ECG5540								
1200					ECG5569	ECG5574	ECG5579	ECG5584	ECG5592	ECG5589	ECG5596	ECG5599
I_{GT} Min (mA)		40	80	40	100	100	100	150	150	150	150	200
V_{GT} Max (V)		1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I_{Surge} (A)		400	500	600	1200	1800	1800	5500	5500	10,000	10,000	27,000
I_{Hold} Min (mA)		60	150	60	200	200	200	300	300	300	300	500
V_{GFM} (V)		10	10	10	20.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
V_{GRM} (V)		10	5	5	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
V_F on (V) Max		1.8	1.9	1.8	2.5	2.2	2.2	1.5	1.5	2.0	2.0	1.7
P_G Av (W)		0.5	1.0	0.8	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Operating Temp. T_j°C		−40 to +125	−40 to +125	−40 to +125	−40 to +125	−40 to +125		−40 to +125	−40 to +125	−40 to +125	−40 to +125	−40 to +125
dv/dt (Max) V/μsec		50	500	375	200	300	300	300	300	300	300	300
Non-Repetitive di/dt Max Amps/μsec		--	--	--	200	800	800	800	800	800	600	800
Fig. No.		Z41	Z40A	Z40A	Z47	Z52	Z51	Z53	Z55	Z54	Z56	Z57
Package		TO-220 	TO-218 Isolated Tab 	TO-218 	TO-65 	TO-94 	TO-83 	TO-93 	HT-16 	ST-75 	HT-23 	HT-29 

Package Outlines - See Page 1-112

High Speed - SCR (Switching)

V_{DRM}	I_T RMS - All Conduction Angles	I_T Max Forward Current (Amps)				I_T Ave - Conduction Angle = 180°			
	RMS	8 A	35 A	125 A		275 A	400 A	475 A	700 A
	Av.	5 A	16 A	80 A		175 A	250 A	300 A	450 A
600		ECG5351A	ECG5360	ECG5368	ECG5371	ECG5374	ECG5380	ECG5377	ECG5386
1200				ECG5369	ECG5372	ECG5375	ECG5381	ECG5378	ECG5387
I_{GT} Min (mA)		50	180	150	150	150	150	150	150
V_{GT} Max (V)		2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I_{Surge} (A)		90	180	1400	1400	4500	4500	8000	8000
V_{GRM} (V)		--	10	5.0	5.0	5.0	5.0	5.0	5.0
V_F on (V) Max		1.6	2.05	2.0	2.0	1.85	1.85	2.6	2.6
P_G Av (W)		--	1.0	3.0	3.0	3.0	3.0	3.0	3.0
Operating Temp. T_j°C		−40 to +100	−65 to +125	−40 to +125		−40 to +125	−40 to +125	−40 to +125	−40 to +125
Repetitive d_i/d_t Amps/μsec Max		300	100	150	150	300	300	400	400
Non-Repetitive d_i/d_t Amps/μsec Max		500	400	800	800	800	800	800	800
d_v/d_t (Max) V/μsec		400	200	200	200	300	300	300	300
Turn-Off Time t_q μsec Max		2.9	15	10	15	10	20	25	25
Fig. No.		Z42	Z49	Z51	Z52	Z53	Z55	Z54	Z56
Package		TO-66	TO-48	TO-83	TO-94	TO-93	HT-16	ST-75	HT-23
									

Package Outlines - See Page 1-112

Gate Turn-Off - SCR (For TV Applications)

ECG Type	Description/ Application	V_{DRM} Volts	$I_{T RMS}$ Amps	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{GO} (mA)	V_{GO} (Volts)	Package	
									Case	Fig. No.
ECG276	Gate Turn Off SCR	1250	5	80	75	1.5	−450	7	TC-9	Z44
ECG279A	Gate Turn Off SCR	350	.25	3	.38	1.5	−115	3	SC-51	Z37

TV Horizontal Deflection - SCR

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG230	TV Horizontal Deflection Trace Switch	700	5	80	50	2.0	100	2.5	TO-66	Z42
ECG231	TV Horizontal Deflection Commutating Switch	600	5	80	50	2.0	100	4.3	TO-66	Z42

TV Power Supply Switching - SCR

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG5424	SCR, Hi Speed Sw, Power Supply Control Regulator	400	4.7	55	20	3	135	4.0	TO-220	Z41
ECG5425	SCR, Hi Speed Power Supply Control	525	5	80	40	2.7	20	2.5	TO-66	Z42



Integrated Thyristor/Rectifiers (ITR)

ECG Type	Description/ Application	V_{DRM} (Volts)	$I_{T RMS}$ (Amps)	I_{Surge} (Amps)	I_{GT} (mA)	V_{GT} (Volts)	I_{Hold} (mA)	Turn-Off Time T_Q (μsec)	Package	
									Case	Fig. No.
ECG308	TV Horizontal Deflection Commutating Switch	800	5	70	50	3.5	100	5.5	TO-66	Z42
ECG308P	TV Horizontal Deflection Commutating Switch	750	8	80	45	4.0	---	4.2	TO-220	Z41
ECG310	TV Horizontal Deflection Trace Switch	800	5	70	50	3.5	100	3.0	TO-66	Z42
ECG310P	TV Horizontal Deflection Trace Switch	750	8	80	45	4.0	---	2.4	TO-220	Z41

Package Outlines - See Page 1-112

SCR Outlines

Fig. Z35 **TO-5M**

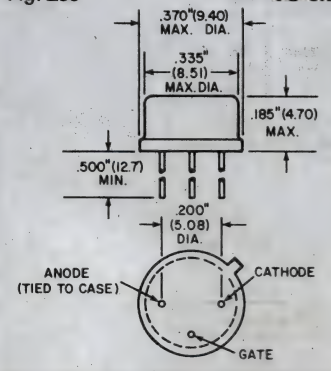
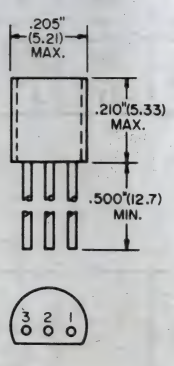
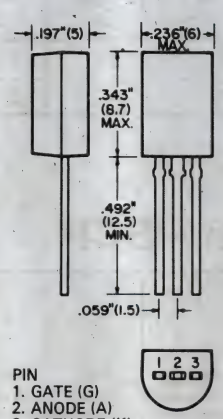


Fig. Z36 **TO-92**



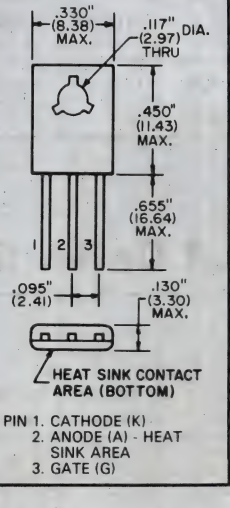
PIN
1. CATHODE (K)
2. GATE (G)
3. ANODE (A)

Fig. Z37 **SC-51**



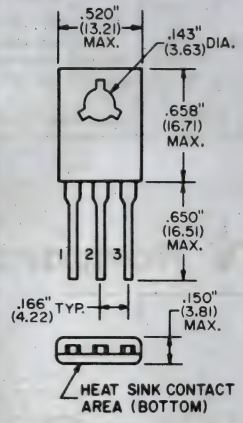
PIN
1. GATE (G)
2. ANODE (A)
3. CATHODE (K)

Fig. Z38 **TO-126**



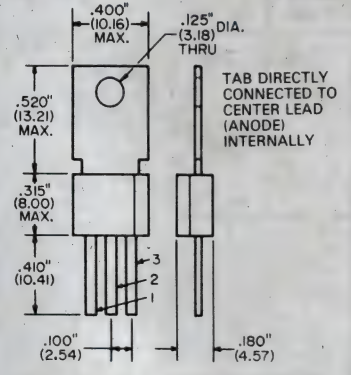
PIN 1. CATHODE (K)
2. ANODE (A) - HEAT SINK AREA
3. GATE (G)

Fig. Z39 **TO-127**



PIN 1. CATHODE (K)
2. ANODE (A) - HEAT SINK AREA
3. GATE (G)

Fig. Z40 **TO-202**



PIN 1. CATHODE
2. ANODE
3. GATE LEAD ADJACENT TO CHAMBER

Fig. Z40A **TO-218**

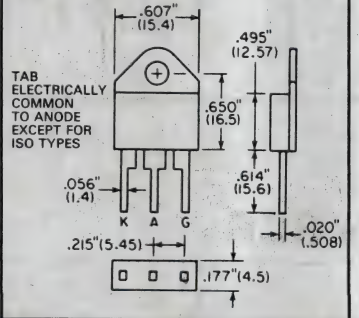


Fig. Z41

ECG	1	2	3	TAB
308P	G	A	K	A
310P	G	A	K	A
5417	K	A	G	Iso
5418	K	A	G	Iso
5419	K	A	G	Iso
5424	K	A	G	A
5426	K	A	G	Iso
5437	K	A	G	A
5438	K	A	G	A
5461	K	A	G	A

ECG	1	2	3	TAB
5462	K	A	G	A
5463	K	A	G	A
5465	K	A	G	A
5466	K	A	G	A
5468	K	A	G	A
5550	K	A	G	A
5552	K	A	G	A
5554	K	A	G	A
5556	K	A	G	A
5558	K	A	G	A

Fig. Z41 **TO-220**

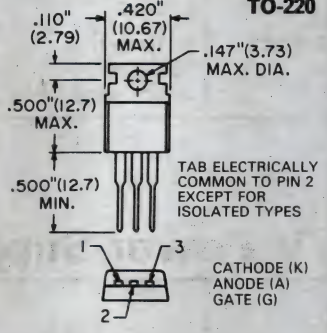
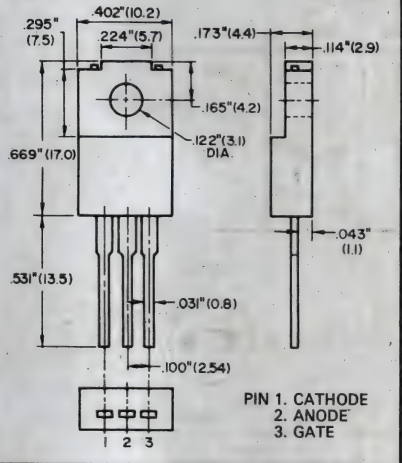
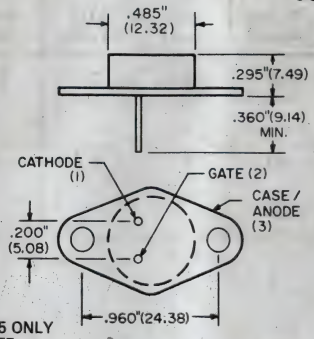


Fig. Z41D **TO-220J**



PIN 1. CATHODE
2. ANODE
3. GATE

Fig. Z42 **TO-66**



FOR ECG5425 ONLY
PIN 1. GATE
2. CATHODE

Fig. Z43 **TO-3**

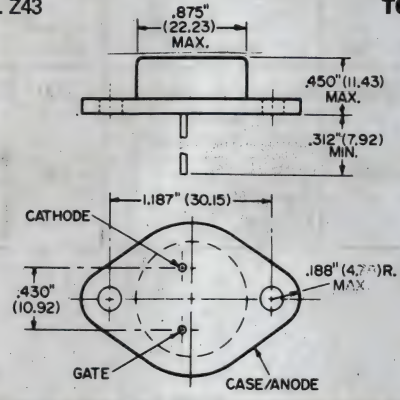


Fig. Z44 **TC-9**

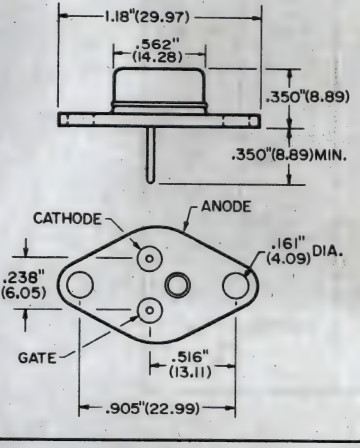
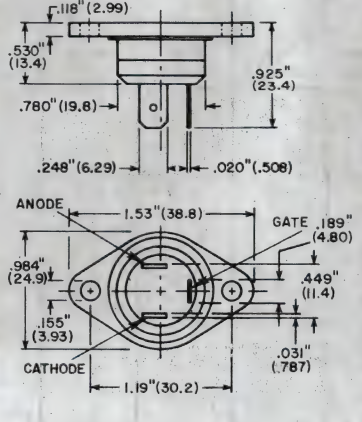


Fig. Z45A **TO-3 Flange Isolated**



ALL TERMINALS ELECTRICALLY
ISOLATED FROM CASE

Fig. Z46 **1/2" Press Fit**

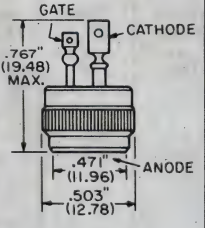
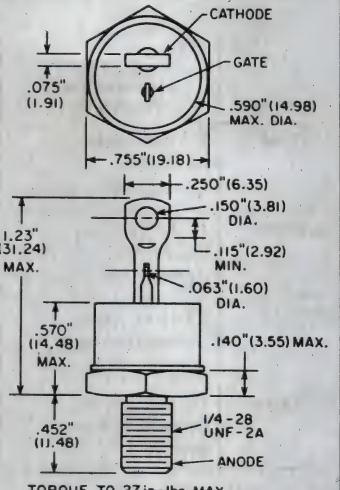


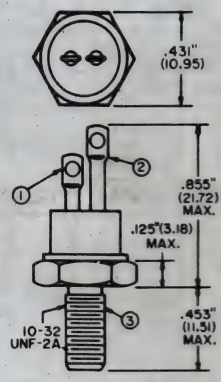
Fig. Z47 **TO-65**



TORQUE TO 27 in-lbs MAX.

SCR Outlines (cont'd)

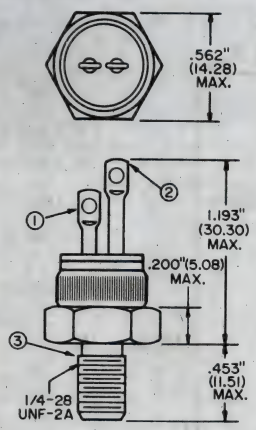
Fig. Z48 **TO-64**



PIN
1. GATE (G)
2. CATHODE (K)
3. ANODE (A)

Torque to 12 in-lbs min; 15 in-lbs max

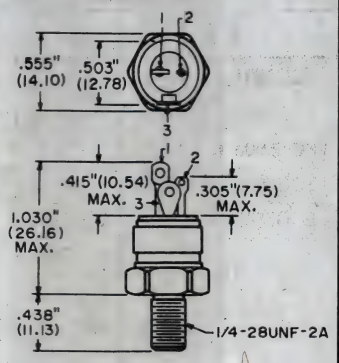
Fig. Z49 **TO-48**



PIN 1. GATE (G)
2. CATHODE (K)
3. ANODE (A)

Torque to 25 in-lbs min; 30 in-lbs max

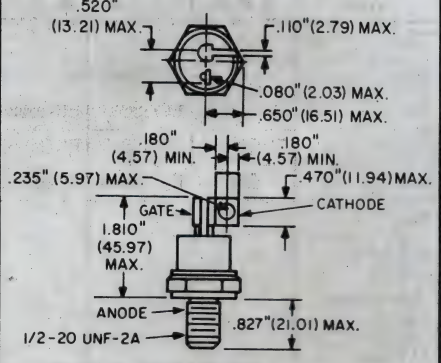
Fig. Z50 **TO-48 Isolated Stud**



PIN 1 CATHODE
2 GATE
3 ANODE

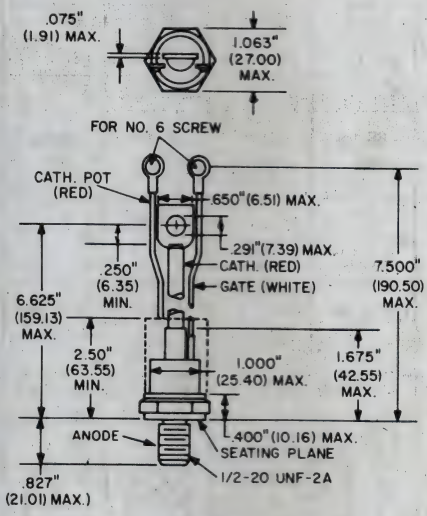
Torque to 25 in-lbs min; 30 in-lbs max

Fig. Z51 **TO-83**



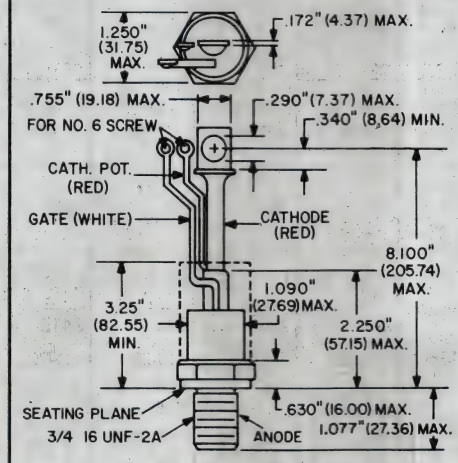
TORQUE TO 130 IN-LBS. MAX.

Fig. Z52 **TO-94**



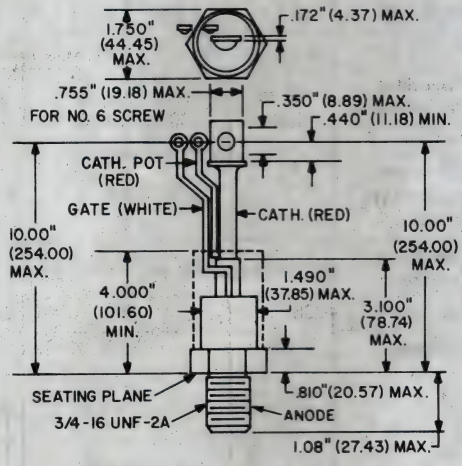
Torque to 130 in-lbs. Max.

Fig. Z53 **TO-93**



Torque to 300 in-lbs. Max.

Fig. Z54 **ST-75**



Torque to 360 in-lbs. Max.

Fig. Z55 **HT-16**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 1400 Lbs (6.2 KN)

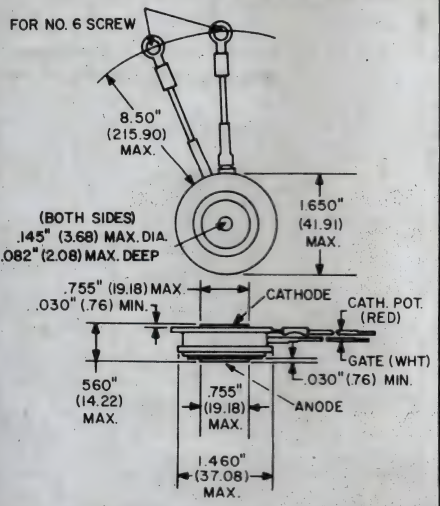


Fig. Z56 **HT-23**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 2400 Lbs (10.7 KN)

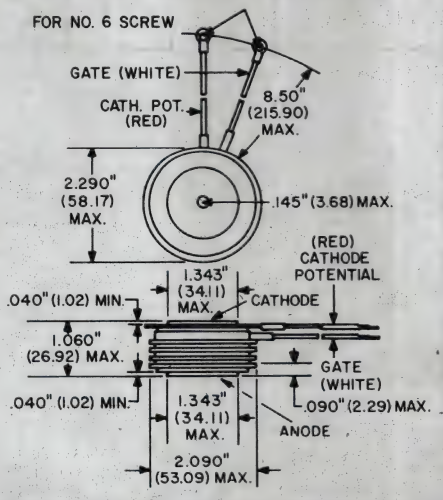
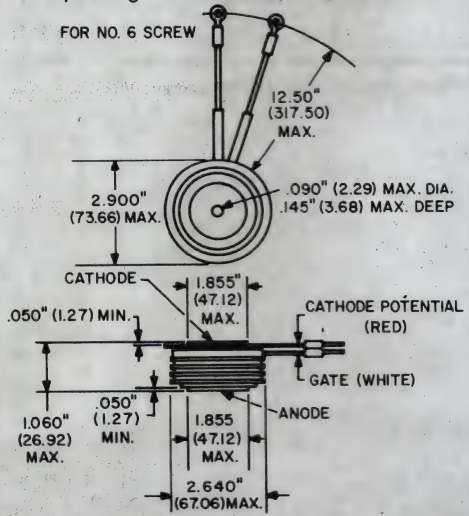


Fig. Z57 **HT-29**

Min. Test Pressure 200 Lbs (.9 KN)
Operating Pressure 5500 Lbs (24.5 KN)

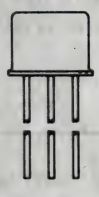


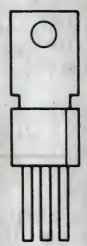
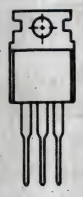
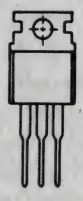
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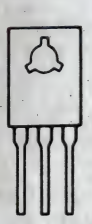
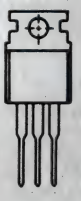
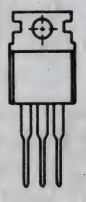
TRIACS



V_{RRM} DC or Peak Volts	$I_{T\ RMS}$ Max Forward Current (Amps)											
	0.8 A	2.5 A		4 A		8 A			10 A			
50				ECG5601					ECG5612	ECG5622	ECG5631	
100		ECG5640	ECG5650	ECG5602					ECG5613	ECG5623	ECG5632	
200	ECG5655	ECG5641	ECG5651	ECG5603					ECG5614	ECG5624	ECG5633	
400	ECG5656	ECG5642	ECG5652	ECG5605	ECG5629	ECG5608	ECG5638		ECG5616	ECG5626	ECG5635	
600	ECG5657	ECG5643	ECG5653	ECG5607		ECG5609			ECG5618	ECG5628	ECG5637	ECG5645
800						ECG5610		ECG5620				
I_{GT} Min (mA) Quadrants I & III	5.0	25	3.0	30	3.0	10	10	35 Quads I, II, III	50	50	50	50
I_{GT} Min (mA) Quadrants II & IV	5.0	40	3.0	---	3.0	10	10	70 Quad IV	75	---	50*	75
V_{GT} Max (V)	2.0	2.2	2.2	2.5	2.0	2.5	2.0	1.5	2.5	2.0	2.5	2.5
I_{Surge} Max (A)	8.0	25	25	30	40	80	80	60	100	100	100	120
I_{Hold} Min (mA)	20	35	5.0	30	5.0	15	10	20	50	50	50	50
V_{on} Max (V)	1.5	1.8	2.2	2.0	1.6	1.5	1.6	1.7	1.8	1.8	1.65	1.6
V_{GM} (V)	±5.0	±5.0	±5.0	±5.0	±5.0	±10	±5.0	±10	±5.0	±5.0	±10	±5.0
P_G Av (W)	.01	.05	.05	.5	.3	.5	.4	.5	.5	.5	.5	.5
Operating Temperature T_J °C	−40 to +110	−65 to +100	−40 to +90	−40 to +110	−40 to +110	−40 to +110	−40 to +110	−40 to +120	−65 to +100	−40 to +100	−40 to +100	−40 to +110
Off State dv/dt (Typ) V/μsec	20	100	5	5	10	25	25	100	5	5	50	60
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,III	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,III	I,II,III	I,II,III,IV
Fig. No.	Z36	Z61		Z38	Z40	Z41	Z41	Z41D	Z39		Z41	Z41
Package	TO-92	TO-5		TO-126	TO-202	TO-220	TO-220 Isolated Tab	TO-220J	TO-127		TO-220	TO-220 Isolated Tab

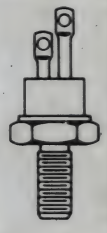
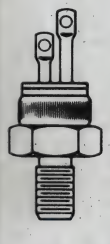
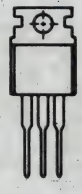
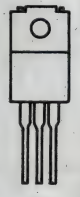
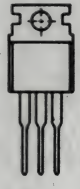
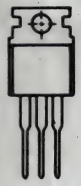
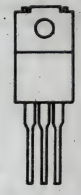




* 3 Mode device not specified in Quadrant IV

Package Outlines - See Page 1-116

TRIACS (cont'd)

VRRM DC or Peak Volts	I_T RMS Max Forward Current (Amps)								
	12 A	15 A		16 A	25 A				
50							ECG5681		
100							ECG5682		
200		ECG5673	ECG56004		ECG56015	ECG56019	ECG5683		
400		ECG5675	ECG56006		ECG56016	ECG56020	ECG5685		
600	ECG5667A	ECG5677	ECG56008		ECG56017		ECG5687	ECG5672	
800	ECG5668A		ECG56010	ECG5671	ECG56018				ECG5699
1000	ECG5669A								
I_{GT} Min (mA) Quadrants I & III	100	50	40	35 Quads I,II,III	50 Quads I,II,III	50	75	80	50 Quads I,II,III
I_{GT} Min (mA) Quadrants II & IV	100	80	75	70 Quad IV	75 Quad IV	50	100	100*	80 Quad IV
V_{GT} Max (V)	2.5	2.5	2.5	1.5	2.5	2.5	3.0	2.5	2.0
I_{Surge} Max (A)	120	100	150	150	250	200	225	250	250
I_{Hold} Min (mA)	100	75	40	30	50	70	75	80	50
V_{on} Max (V)	2.2	1.8	1.6	1.5	1.85	1.8	1.9	1.8	2.0
V_{GM} (V)	---	±5.0	±10	±10	±10	±10	±5.0	±10	±5.0
P_G Av (W)	1	.5	.5	.5	.5	.5	.75	.8	.5
Operating Temperature T_J °C	−40 to +125	−65 to +100	−40 to +125	−40 to +125	−40 to +125	−40 to +110	−40 to +100	−40 to +110	−40 to +125
Off State dv/dt (Typ) V/μsec	100	100	50	100	40	60	100	60	40
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III	I,II,III,IV
Fig. No.	Z48A	Z49	Z41	Z41D	Z41	Z41	Z49	Z59	Z41D
Package	TO-64 Metric 	TO-48 	TO-220 	TO-220J 	TO-220 	TO-220 Isolated Tab 	TO-48 	3/4" Swedge TO-3 (Isolated Flange) 	TO-220J 

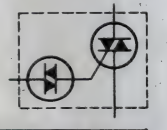
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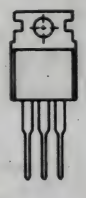
G

* 3 Mode device not specified in Quadrant IV

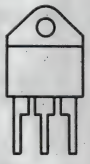
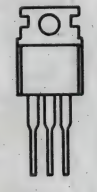
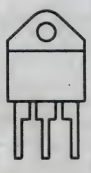
Package Outlines - See Page 1-116

TRIAC with Internal Trigger DIAC



ECG Type	I_T RMS Amps	VRRM DC or Pk Volts	Operating Quadrants	V_{BO} (V)	I_{BO} (μA)	Max Ratings V_F (on) Volts	Max Ratings I_{Surge} Amps	Max Ratings I_{Hold} mA	Oper Temp T_J °C	Off State dv/dt V/μsec	Fig. No.	Package: TO-220 Isolated Tab
ECG5646	**10 A**	600	I, II, III, IV	35 Min	200	1.6	110	50	−40 to +100	60	Z41	

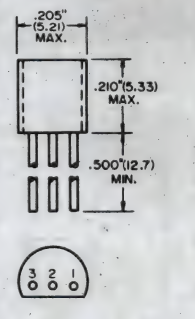
TRIACS (cont'd)

V_{RRM} DC or Peak Volts	I_T RMS Max Forward Current (Amps)						
	40 A						45 A
200	ECG5693	ECG56022		ECG5688			
400	ECG5695	ECG56024		ECG5689	ECG56030		
600	ECG5697	ECG56026	ECG5679	ECG5690	ECG56031		ECG56033
800						ECG56028	
1000							
I_{GT} Min (mA) Quadrants I & III	50	50	50	50	100 Quads I,II,III	50	50 Quads I,II,III
I_{GT} Min (mA) Quadrants II & IV	80	80	50*	80	150 Quad IV	75	100 Quad IV
V_{GT} Max (V)	2.5	2.5	2.5	2.5	1.5	2.0	1.5
I_{Surge} Max (A)	300	300	300	300	300	350	300
I_{Hold} Min (mA)	60	60	75	60	100	75	80
V_{on} Max (V)	2.0	2.0	1.8	2.0	1.8	1.8	1.8
V_{GM} (V)	±10	±10	±10	±10	±10	±10	±10
P_{G} Av (W)	.75	.75	.8	.75	1	.5	1
Operating Temperature T_J °C	−65 to +110	−65 to +110	−40 to +110	−40 to +110	−40 to +125	−40 to +125	−40 to +125
Off State dv/dt (Typ) V/μsec	100	100	60	100	250	50	250
Operating Quadrants	I,II,III,IV	I,II,III,IV	I,II,III	I,II,III,IV	I,II,III,IV	I,II,III,IV	I,II,III,IV
Fig. No.	Z49	Z50	Z63	Z62	Z40A	Z41	Z40A
Package	TO-48 	TO-48 Isolated Stud 	Square Pak TO-3 (Isolated Flange) 	1/2" Press Fit 	TO-218 Isolated Tab 	TO-220 	TO-218 

* 3 Mode device not specified in Quadrant IV

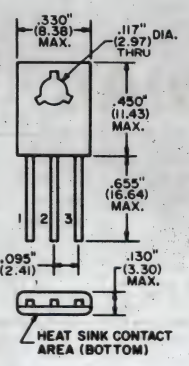
TRIAC Outlines

Fig. Z36 **TO-92**



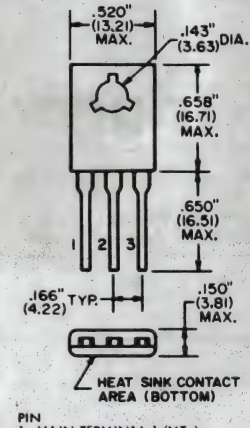
1. MAIN TERMINAL 1 (MT_1)
2. GATE (G)
3. MAIN TERMINAL 2 (MT_2)

Fig. Z38 **TO-126**



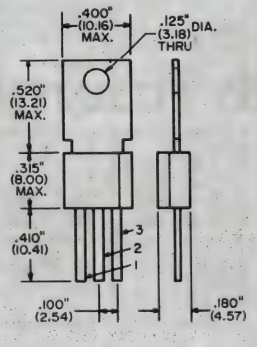
PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2) HEAT SINK AREA
3. GATE (G)

Fig. Z39 **TO-127**



PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2) HEAT SINK AREA
3. GATE (G)

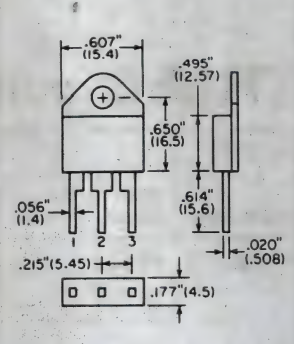
Fig. Z40 **TO-202**



1. MT1
2. MT2
3. GATE

TAB COMMON TO PIN 2

Fig. Z40A **TO-218**

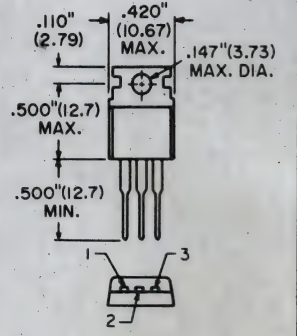


1. MAIN TERMINAL 1
2. MAIN TERMINAL 2
3. GATE

Tab Electrically Common to Pin 2 Except for Isolated Types

TRIAC Outlines (cont'd)

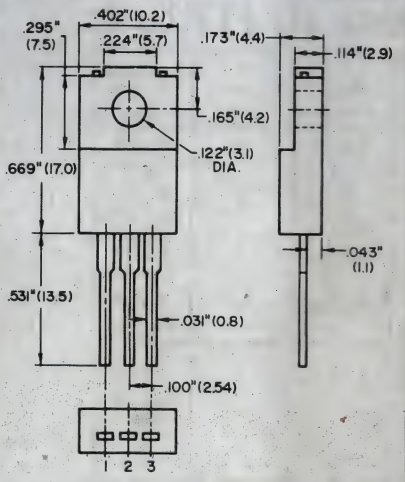
Fig. Z41 **TO-220**



PIN
1. MAIN TERMINAL 1 (MT_1)
2. MAIN TERMINAL 2 (MT_2)
3. GATE (G)

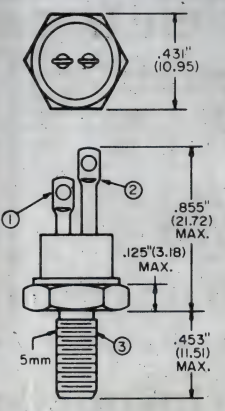
Tab Electrically Common to Pin 2 except for Isolated Types

Fig. Z41D **TO-220J**



1. MAIN TERMINAL 1
2. MAIN TERMINAL 2
3. GATE

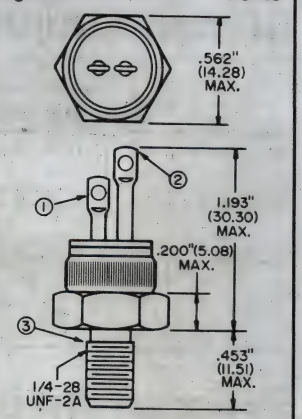
Fig. Z48A **TO-64M**



PIN
1. GATE (G)
2. MAIN TERMINAL 1 (MT_1)
3. MAIN TERMINAL 2 (MT_2)

Torque to 12 in-lbs min.
15 in-lbs max

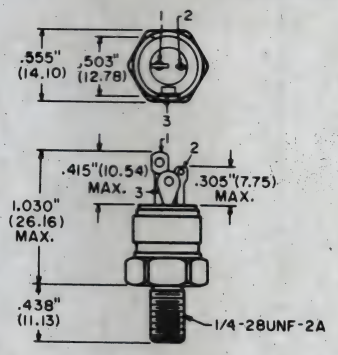
Fig. Z49 **TO-48**



PIN
1. GATE (G)
2. MAIN TERMINAL 1 (MT_1)
3. MAIN TERMINAL 2 (MT_2)

Torque to 25 in-lbs min;
30 in-lbs max

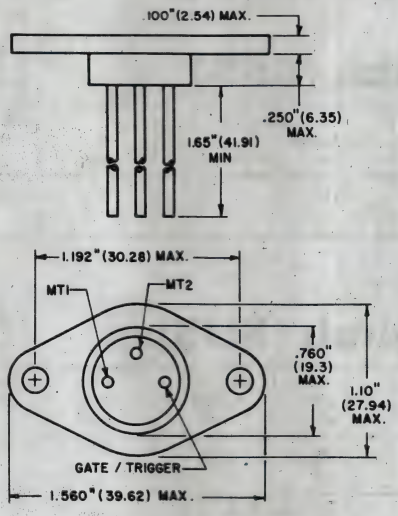
Fig. Z50 **TO-48 Isolated Stud**



PIN
1. MAIN TERMINAL 1
2. GATE
3. MAIN TERMINAL 2

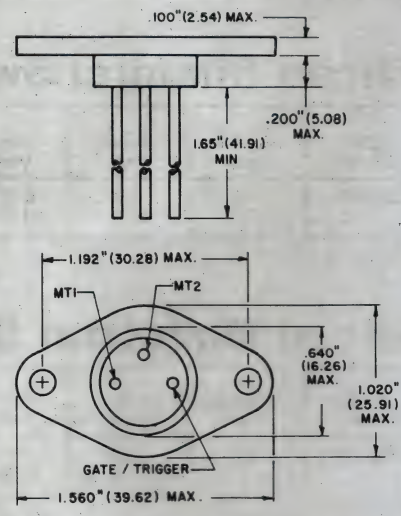
Torque to 25 in-lbs min;
30 in-lbs max

Fig. Z59 **3/4" Swedge TO-3 Isolated Flange**



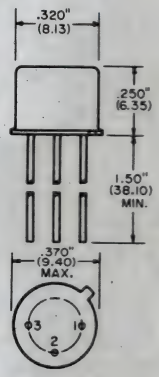
All Terminals Electrically Isolated from Case.

Fig. Z60 **5/8" Swedge TO-3 Isolated Flange**



All Terminals Electrically Isolated from Case.

Fig. Z61 **TO-5**



PIN 1. MAIN TERMINAL 1 (MT_1)
PIN 2. GATE (G)
PIN 3. MAIN TERMINAL 2 (MT_2)
COMMON TO CASE

Fig. Z62 **1/2" Press Fit**

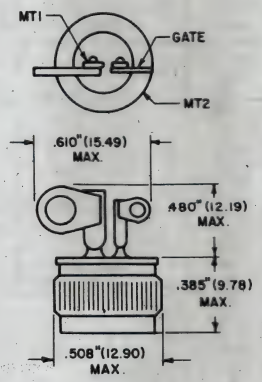
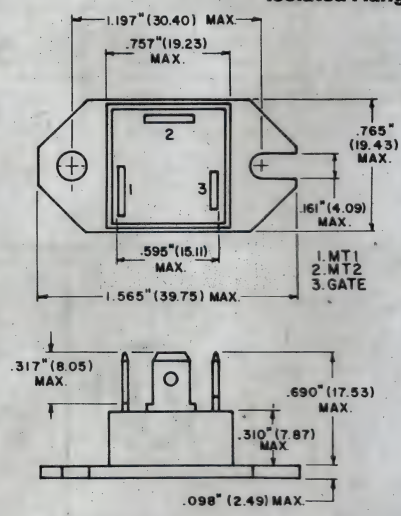


Fig. Z63 **Square Pak TO-3 Isolated Flange**



All Terminals Electrically Isolated from Case.

G

Special Purpose Devices

Silicon Unijunction Transistors (UJT)



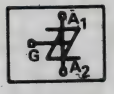
ECG Type	I_E mA	η Min	η Max	R_{BBO} (Kohms) Min	R_{BBO} (Kohms) Max	Inter-Base Volts	P_D mW	I_{EO} μ Amps	I_V (Min) mA	Package/ Outline No.
ECG6400B	50	0.54	0.67	4	12	55	450	1 Max	8	TO-39 Fig. S1
ECG6401	50	0.56	0.75	4.7	9.1	35	300	0.05 Typ	4	TO-18 Fig. S2
ECG6409 DISCONTINUED	50	0.68	0.82	4.7	9.1	35	300	0.01 Typ	8	TO-18 Fig. S2
ECG6410 DISCONTINUED	50	0.70	0.85	4.0	9.1	35	300	.005 Typ	4	TO-92 Fig. S3

Programmable Unijunction Transistor (PUT)



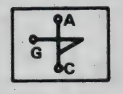
ECG Type	Forward Anode Current I_T mA	Gate Current I_G mA	BV_{GKF} Volts	BV_{GKR} Volts	V_{AKR} Volts	P_D mW	Package/ Outline No.
ECG6402 DISCONTINUED	150 (2 A Pk)	±20	40	−5	±40	300	Fig. S3

Silicon Bilateral Switch (SBS)



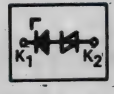
ECG Type	I_{FM} Rep Amps	I_F Max mA	V_S Volts	I_S Max μA	I_H mA	P_D mW	Package/ Outline No.
ECG6403	1.0	175	6 Min 10 Max	500	1.5	300	Fig. S3

Silicon Unilateral Switch (SUS)



ECG Type	I_{FM} Rep Amps	I_F Max mA	V_S Volts	I_S Max μA	I_H mA	P_D mW	Package/ Outline No.
ECG6404	1.0	175	6 Min 10 Max	500	1.5	300	Fig. S3

Silicon Asymmetrical Switch (SAS)



ECG Type	I_{FM} Rep Amps	I_F Max mA	V_S Volts	I_S Max μA	Output Pulse Volts	P_D mW	Package/ Outline No.
ECG6405 DISCONTINUED	0.5	200	VS1, 14 to 18 VS2, 7 to 9	80	3.5 Min	350	Fig. S3

Fig. S1 TO-39

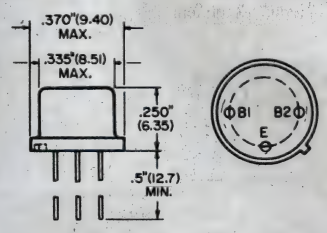


Fig. S2 TO-18

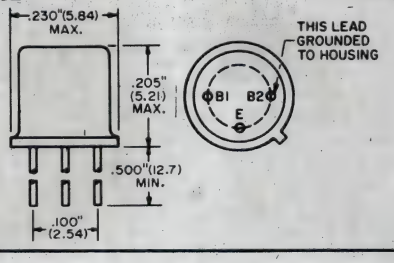
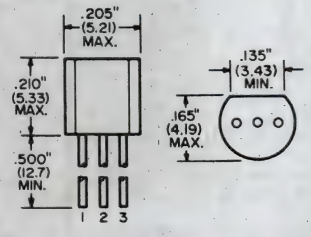
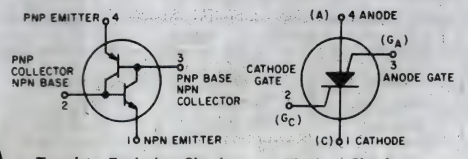


Fig. S3 TO-92



ECG	1	2	3
6403	A_1	G	A_2
6404	A	G	C
6410	B_1	E	B_2

Special Purpose Devices (cont'd)



Transistor Equivalent Circuit Thyristor Circuit

Silicon Controlled Switch (SCS)

ECG Type		BVCBO Volts	BVEBO Volts	BVCER Volts	HFE Min	IGT Max mA	VGT Max Volts	IT Max mA	IT Pk Max mA	ITSM Max mA	IH Max mA	PD Max mW	Package/ Outline No.
ECG239	PNP	−70	−70	−70	0.1	1.0	0.8	50	100	500	1.0	200	TO-72 Fig. S8
	NPN	70	5	70	15	1.0	1.2						

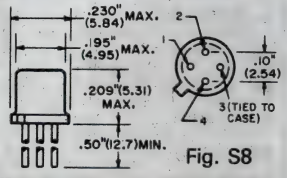
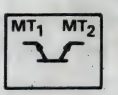


Fig. S8

Bilateral Trigger Diodes (DIAC's)



ECG Type	IPulse Amps	VBO (+) Volts	VBO (−) Volts	IBO (+) Max mA	IBO (−) Max mA	ΔVF Volts	ΔVR Volts	PD mW DO-7	PD mW TO-92	Package/ Outline No.
ECG6407*	2	28±4	28±4	1	1	6	6	250	300	DO-7 Fig. S9 TO-92 Fig. S10
ECG6408*	2	32±4	32±4	1	1	6	6	250	300	
ECG6411	2	40±5	40±5	1	1	6	6	250	--	DO-7 Fig. S9
ECG6412	2	63±7	63±7	1	1	6	6	250	--	

* May be shipped in either case style.

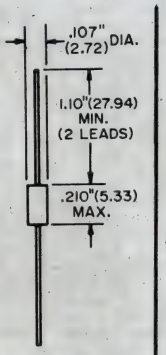


Fig. S9

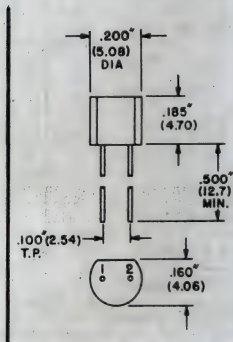
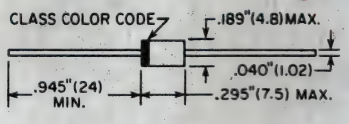


Fig. S10

Bidirectional Diode Thyristors (SYDAC)

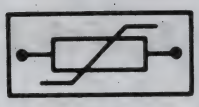
ECG Type	Breakover Voltage VBO (Volts)	Holding Current IH (mAmps)	Effective Current ITRMS (Amps)	Surge Current ISurge (Amps)	On Voltage VT (Volts)	Power Diss. PD (mWatts)	Band Color *	Package Case	Package Fig. No.
ECG6415	45 to 60	50	1	13	1.5 Max	850	Red	DO-201	S16
ECG6416	55 to 65	50	1	13	1.5 Max	850	Gold		
ECG6417	95 to 113	50	1	13	1.5 Max	850	Orange		
ECG6418	104 to 118	50	1	13	1.5 Max	850	Blue		
ECG6419	110 to 125	50	1	13	1.5 Max	850	Green		



* Band Color denotes rated VBO and is not cathode band.

H

Overvoltage Transient Suppressors
Metal Oxide Varistors (MOV)



ECG Type	Maximum Voltage			Nominal Varistor Voltage VNOM (Volts)	Energy WTM (Joules)	Peak Current ITM (Amps)	Transient Power Dissipation PD (Watts)	Figure No.
	RMS VACM (Volts)	DC VDCM (Volts)	Clamping VCL (Volts)					
ECG1V010	10	14	42	18	.8	250	.25	S11-1
ECG2V010	10	14	39	18	3.5	1000	.6	S11-2
ECG1V014	14	18	47	22	.9	250	.25	S11-1
ECG2V014	14	18	43	22	4.0	1000	.6	S11-2
ECG1V015	15	20	52	24	1.0	250	.25	S11-1
ECG2V015	15	20	48	24	4.5	1000	.6	S11-2
ECG1V017	17	22	57	27	1.0	250	.25	S11-1
ECG2V017	17	22	53	27	5.0	1000	.6	S11-2
ECG1V020	20	26	68	33	1.2	250	.25	S11-1
ECG2V020	20	26	64	33	6.0	1000	.6	S11-2
ECG1V025	25	30	77	39	1.5	250	.25	S11-1
ECG2V025	25	30	77	39	10.0	1000	.6	S11-2
ECG1V030	30	37	93	47	1.8	250	.25	S11-1
ECG2V030	30	37	93	47	10.0	1000	.6	S11-2
ECG1V035	35	45	107	56	2.2	250	.25	S11-1
ECG2V035	35	45	103	56	10.0	1000	.6	S11-2
ECG1V040	40	55	135	68	2.5	250	.25	S11-1
ECG2V040	40	55	135	68	12.0	1000	.6	S11-2
ECG1V050	50	66	152	82	3.0	250	.25	S11-1
ECG2V050	50	66	147	82	14.0	1000	.6	S11-2
ECG1V060	60	85	165	100	4.0	1200	.25	S11-1
ECG2V060	60	85	165	100	20.0	4500	.6	S11-2
ECG1V075	75	100	195	120	5.0	1200	.25	S11-1
ECG2V075	75	100	195	120	20.0	4500	.6	S11-2
ECG1V095	95	125	245	150	6.0	1200	.25	S11-1
ECG2V095	95	125	245	150	25.0	4500	.6	S11-2
ECG1V115	115	153	295	171	9.0	1200	.25	S11-1
ECG2V115	115	153	300	171	30.0	4500	.6	S11-2
ECG1V130	130	175	340	208	10.0	1200	.25	S11-1
ECG2V130	130	175	340	208	35	4500	.6	S11-2
ECG524V13	130	175	340	208	70	6500	1.0	S11
ECG1V150	150	200	395	240	11	1200	.25	S11-1
ECG2V150	150	200	395	240	40	4500	.6	S11-2
ECG524V15	150	200	395	240	80	6500	1.0	S11
ECG1V175	175	225	440	270	12	1200	.2	S11-1
ECG524V17	175	225	440	270	90	6500	1.0	S11
ECG1V250	250	330	650	390	17	1200	.25	S11-1
ECG2V250	250	330	650	390	70	4500	.6	S11-2
ECG524V25	250	330	650	390	130	6500	1.0	S11
ECG1V275	275	350	700	430	20.0	1200	.25	S11-1
ECG2V275	275	350	700	430	75.0	4500	.6	S11-2
ECG524V27	275	350	700	430	140	6500	1.0	S11
ECG1V300	300	385	765	470	20.0	1200	.25	S11-1
ECG2V300	300	385	765	470	80.0	4500	.6	S11-2
ECG524V30	300	385	765	470	150	6500	1.0	S11
ECG2V420	420	560	1110	680	90.0	4500	.6	S11-2
ECG524V42	420	560	1110	680	160	6500	1.0	S11
ECG2V480	480	640	1240	750	105	4500	.6	S11-2
ECG524V48	480	640	1240	750	180	6500	1.0	S11

Overvoltage Transient Suppressors (Surge Clamping Diodes)
Unidirectional (DC)

ECG Type	Application	Reverse Standoff Voltage V_R (Volts)	Breakdown Voltage		Maximum Ratings: Clamping Voltage V_C (Volts)			Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
			V_{BR} (Volts)	@ I_T (mA)	@ I_{pp} = 120 A	@ I_{pp} = 60 A	@ I_{pp} = 30 A		
ECG4900	Designed to Protect 5.0 V, TTL, DTL and MOS Circuitry	5.0	6.0	1.0	8.5	8.0	7.6	1500	S14

ECG Type	Reverse Standoff Voltage V_R (Volts)	Breakdown Voltage V_{BR} (Volts)			@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C (Volts)	Temperature Coefficient of V_{BR} (% °C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
		Min.	Nom.	Max.						
ECG4902	5.80	6.45	6.8	7.14	10	143	10.5	.057	1500	S14
ECG4918	11.10	12.4	13	13.7	1.0	82.0	18.2	.081	1500	
ECG4926	15.30	17.1	18	18.9	1.0	59.5	25.2	.088	1500	
ECG4928	17.10	19.0	20	21.0	1.0	54.0	27.7	.090	1500	
ECG4934	23.10	25.7	27	28.4	1.0	40.0	37.5	.096	1500	
ECG4950	43.60	48.5	51	53.6	1.0	21.4	70.1	.102	1500	
ECG4958	58.10	64.6	68	71.4	1.0	16.3	92.0	.104	1500	
ECG4988	171.0	190.0	200	210.0	1.0	5.5	274.0	.108	1500	

Bidirectional (AC)

ECG Type	Description	Abs. Max. RMS V_{AC} (Volts)	Breakdown Voltage V_{BR} Peak Volts	@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C	Temp. Coefficient of V_{BR} (%/°C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
ECG4901	Designed for Bidirectional Protection of Data Transmission, Digital Controls, Computer Systems, Etc.	3.50	6.0	10	166	9.4	.051	1500	S14
ECG4903		4.00	6.8	10	143	10.5	.057	1500	S14

ECG Type	Abs. Max. RMS V_{AC} (Volts)	Breakdown Voltage V_{BR} Peak Volts			@ I_T (mA)	Peak Pulse Current I_{pp} (Amps)	Maximum Ratings: Clamping Voltage @ I_{pp} V_C (Volts)	Temp. Coefficient of V_{BR} (%/°C)	Peak Pulse Power (1 msec) PP (Watts)	Fig. No.
		Min.	Nom.	Max.						
ECG4919	7.80	12.4	13	13.7	1	82.0	18.2	.081	1500	S14
ECG4927	10.80	17.1	18	18.9	1	59.5	25.2	.088	1500	S14
ECG4929	12.00	19.0	20	21.0	1	54.0	27.7	.090	1500	S14
ECG4935	16.00	25.7	27	28.4	1	40.0	37.5	.096	1500	S14
ECG4951	30.00	48.5	51	53.6	1	21.4	70.1	.102	1500	S14
ECG4959	41.00	64.6	68	71.4	1	16.3	92.0	.104	1500	S14
ECG4989	121.0	190.0	200	210.0	1	5.5	274.0	.108	1500	S14

Note: A Surge Clamping Diode is normally selected according to the reverse "Stand Off Voltage" (VR) which should be equal to or greater than the DC or continuous peak operating level. Typical response time equals 1 pico second.

Symbols

V_R, Reverse Stand Off Voltage: Applied reverse voltage to assure a non-conductive condition. (See note)

V_{BR}, Breakdown Voltage: This is the minimum breakdown voltage the device will exhibit and is used to assure that conduction does not occur prior to this voltage level at 25°C.

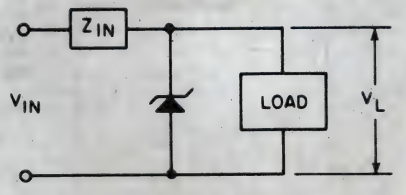
V_C, Maximum Clamping Voltage: The maximum peak voltage which will appear across the device when it is subjected to the peak pulse current in a one millisecond time interval.

PP, Peak Pulse Power at 1 msec duration.

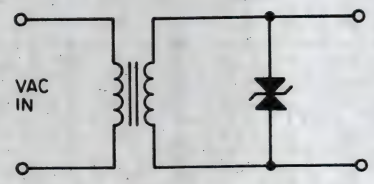
I_{pp}, Peak Pulse Current.

Typical Protection Circuits

Unidirectional (DC)



Bidirectional (AC)



Overvoltage Transient Suppressor Outlines

Fig. S11

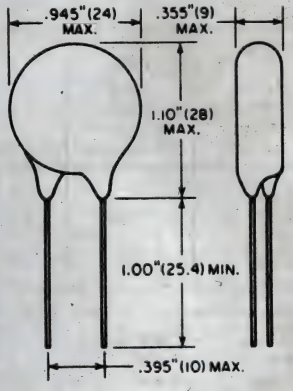


Fig. S11-1

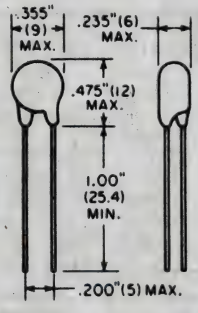


Fig. S11-2

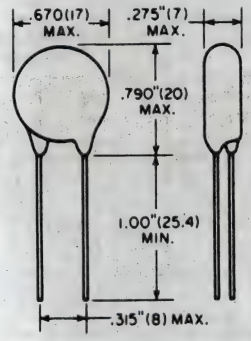
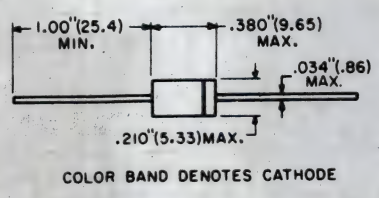


Fig. S14

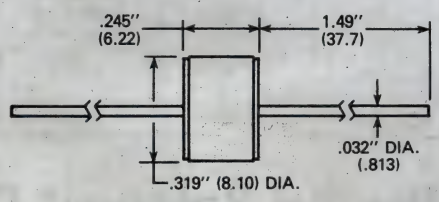


Note: Bidirectional Suppressors do not have polarity bands.

Surge Arresters (Gas Filled)

ECG Type	DC Breakdown Voltage			Impulse Breakdown @ (100 V/μs) Maximum Voltage	Maximum Capacitance Between Electrodes @ 1 MHz (pF)
	Nominal Voltage (VDC)	Min. Volts	Max. Volts		
ECG15040	75	60	90	400	1.0
ECG15041	90	72	108	400	1.0
ECG15042	110	88	132	450	1.0
ECG15043	145	116	174	500	1.0
ECG15044	230	195	265	600	1.0
ECG15045	300	255	345	700	1.0
ECG15046	350	297	403	750	1.0
ECG15047	470	400	540	850	1.0
ECG15048	600	510	690	1000	1.0
ECG15049AC	120VAC	225	---	700	1.0
ECG15050AC	240VAC	425	---	800	1.0

Fig. SA-1



Specifications

Surge Life
- 10A 10/1000 μs Pulse ..... 2500 Operations
- 500A 10/1000 μs Pulse ..... 1000 Operations
- AC Suffix ..... 300 Operations

Surge Current
- 8/20 ..... 20 kA

AC Current
- 10 Operations 60 Hz for 1 sec, with 3 min. intervals 20
- AC Suffix 5

AC Current
- 11 Cycles 60 Hz ..... 20 A
- AC Suffix ..... 10 A

Insulation Resistance
- 100 VDC ..... 10,000 Megohms

Operating Temperature ..... −65°C to +125°C

Response Time (Typical) ..... <100 nsec.

Typical Circuit Applications

Application	Protected Equipment	ECG Type
CATV	Trunk Amplifier	15043
	Cable Extender, Splitter, Grounding Block, Converter Box, 30 & 60 VAC Power Supply	15044
AC Line Protection	117 VAC Line	15049AC
	220 VAC Line, All AC Loads	15050AC
Communication	Modem	15046
	Antenna Connected Equipment	15041, 15043 & 15044
Power Supplies	Voltage Doubler, Capacitors, Voltage Regulator, Rectifier Diodes	15044 & 15047
Computer	Data Lines	15041 & 15044

Application	Protected Equipment	ECG Type
Test Equipment	Meter Inputs	15040 & 15045
Capacitive Discharge	Ignition Circuit Components, Pulse Generator Components	15044 & 15046
Signal Lines (Single Ended)	Alarm Circuits	15040
Communications (Lightning)	Telephone Line (Normal Mode)	15046
Power Line (Lightning)	AC Wall Outlet (Long Branch Ckt) 120 VAC	15049AC
	Breaker Box (Short Branch Ckt) 240 VAC	15050AC
Process Control (24 MA Signal Loop)	Instrumentation Circuits	15040 & 15041

Quartz Crystals

Color Subcarrier Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Load Capacitance pF	Capacitance (Pin to Pin) pF Max	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG358	3.579545	±.003	Parallel Reson. 18 ± .5	7	100	+20 to +65	±.003	S12
ECG358C	3.579545	±.005	18	---	100	0 to +70	±.005	S18

Parallel Resonant Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Load Capacitance pF	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG650	1.000	±.005	13	500	0 to +70	±.02	S17
ECG651	2.000	±.005	20	200	0 to +70	±.02	S17
ECG652	4.000	±.005	20	100	0 to +70	±.02	S18
ECG653	5.000	±.005	20	50	0 to +70	±.02	S18
ECG654	10.245	±.005	32	25	0 to +70	±.01	S18

DISCONTINUED

Series Resonant Crystals

ECG Type	Frequency MHz	Frequency Tolerance % at 25°C	Effective Resistance Ohms Max.	Operating Temperature Range °C	Temperature Drift %	Figure No.
ECG655	4.0000	±.005	100	0 to +70	±.02	S18
ECG656	4.9152	±.005	50	0 to +70	±.02	S18
ECG657	6.1440	±.005	50	0 to +70	±.02	S18
ECG658	10.0000	±.005	20	0 to +70	±.02	S18
ECG659	18.0000	±.005	20	0 to +70	±.02	S18
ECG660	18.4320	±.005	20	0 to +70	±.02	S18
ECG661	20.0000	±.005	20	0 to +70	±.02	S18
ECG662	22.1184	±.005	20	0 to +70	±.02	S18

Ceramic Resonator

ECG Type	Frequency kHz	Frequency Tolerance % at 25°C	Effective Resistance Ohms Max.	Capacitance pF	Volts Max.	Figure No.
ECG649	503.5	±1.0	30	500	50	S19

Fig. S12 Color Osc.

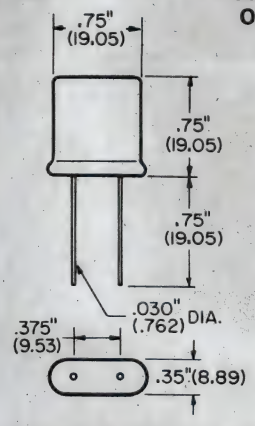


Fig. S17 HC-33 Case

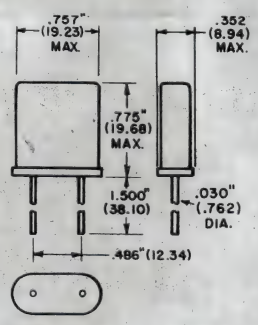


Fig. S18 HC-18 Case

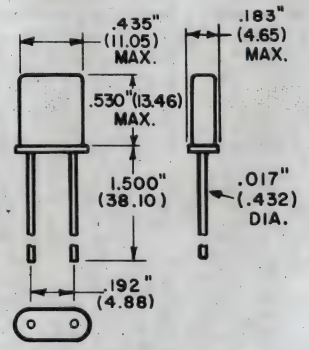
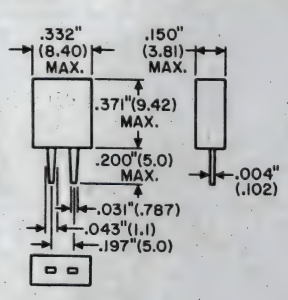
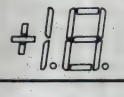


Fig. S19 Ceramic Resonator



Opto-Electronic Devices

Numeric LED Displays

ECG Type	Description	Color	Digit Des.	Current Per Segment (mA)	Reverse Voltage Per Segment (V)	Power Diss. P_t (mW)	Fig. No.
ECG3050	.270"; Com Anode; LHDP	Red		30	10	750	P30
ECG3051	.270"; Com Anode; Polarity/Overflow	Red		30	10	480	P31
ECG3052	.3"; Com Anode; RHDP	Red		30	5	700	P32
ECG3053		Orange		20	3	400	
ECG3054		Green		20	3	400	
ECG3055		Yellow		20	3	400	
ECG3056	.3"; Com Cathode; RHDP	Red		30	5	700	P32
ECG3057		Red		25	3	700	
ECG3058		Orange		20	3	400	
ECG3059		Green		20	3	400	
ECG3060		Yellow		20	3	400	
ECG3061	.3"; Com Anode; LHDP	Red		30	5	700	P33
ECG3062		Orange		20	3	400	
ECG3063		Green		20	3	400	
ECG3064		Yellow		20	3	400	
ECG3065	.3''; Com Anode; Polarity/Overflow	Red		30	5	350	P34
ECG3068	.4"; Com Anode; RHDP	Red		30	5	700	P35
ECG3069	.4"; Com Cathode; RHDP	Red		30	5	700	P36
ECG3070	.4"; Com Anode; RHDP	Orange		20	5	400	P35
ECG3071	.4"; Com Cathode; RHDP	Orange		20	5	400	P36
ECG3074	.560"; Com Anode; RHDP; 2-Digit	Red		20	5	800	P37
ECG3075	.560"; Com Cathode; RHDP; 2-Digit	Red		20	5	800	
ECG3076	.560"; Com Anode; RHDP; 1-1/2 Digit	Red		20	5	650	P38
ECG3077	.560"; Com Cathode; RHDP; 1-1/2 Digit	Red		20	5	650	
ECG3078	.560"; Com Anode; RHDP	Red		20	5	400	P39
ECG3079	.560"; Com Cathode; RHDP	Red		20	5	400	
ECG3080	.8"; Com Anode; RHDP	Red		20	3	400	P40

LHDP - Left Hand Decimal Point
RHDP - Right Hand Decimal Point

J

K

Numeric LED Display Outlines

Fig. P30

ECG3050 - Red

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. Dec P_t Cathode
7. E – Cathode
8. D – Cathode
9. Common Anode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

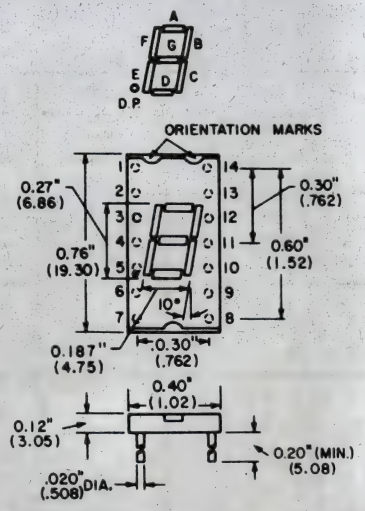


Fig. P31

ECG3051 - Red

1. Anode Common C/D
2. No Connection
3. No Connection
4. No Connection
5. No Connection
6. No Connection
7. D – Cathode
8. C – Cathode
9. No Connection
10. B – Cathode
11. A – Cathode
12. No Connection
13. No Connection
14. Anode Common A/B

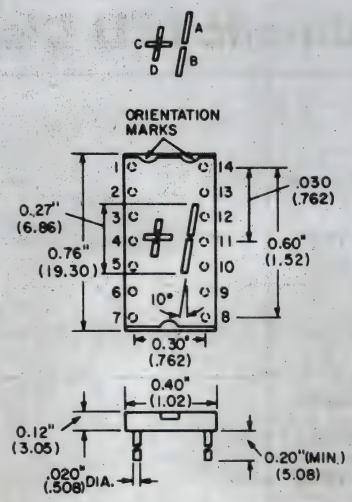


Fig. P32

ECG3052 - Red
ECG3053 - Orn
ECG3054 - Grn
ECG3055 - Yel

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. No Connection
7. E – Cathode
8. D – Cathode
9. Dec P_t Cathode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

ECG3056 - Red
ECG3058 - Orn
ECG3059 - Grn
ECG3060 - Yel

1. F – Anode
2. G – Anode
3. No Pin
4. Common Cathode
5. No Pin
6. E – Anode
7. D – Anode
8. C – Anode
9. Dec P_t Anode
10. No Pin
11. No Pin
12. Common Cathode
13. B – Anode
14. A – Anode

ECG3057 - Red

1. No Pin
2. Common Cathode
3. F – Anode
4. G – Anode
5. E – Anode
6. D – Anode
7. No Pin
8. No Pin
9. Common Cathode
10. Dec P_t Anode
11. C – Anode
12. B – Anode
13. A – Anode
14. No Pin

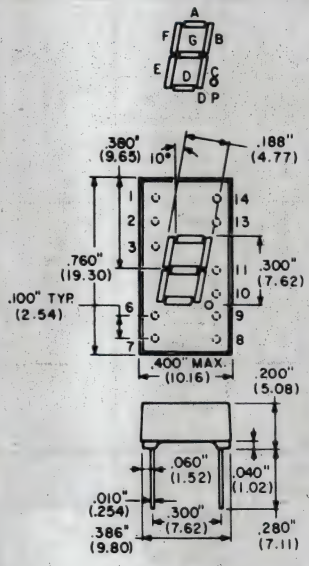


Fig. P33

ECG3061 - Red
ECG3062 - Orn
ECG3063 - Grn
ECG3064 - Yel

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. Dec P_t Cathode
7. E – Cathode
8. D – Cathode
9. No Connection
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

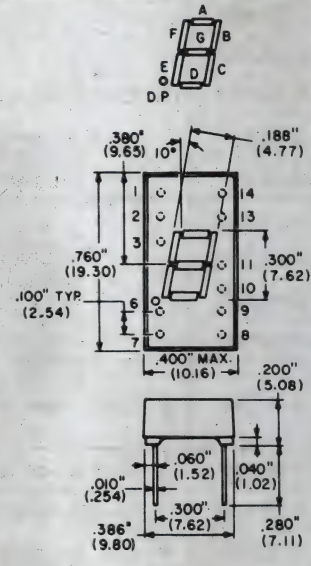


Fig. P34

ECG3065 - Red

1. Common Anode C/D
2. No Pin
3. Common Anode C/D
4. No Pin
5. No Pin
6. No Pin
7. D – Cathode
8. C – Cathode
9. No Connection
10. B – Cathode
11. A – Cathode
12. No Pin
13. No Pin
14. Common Anode A/B

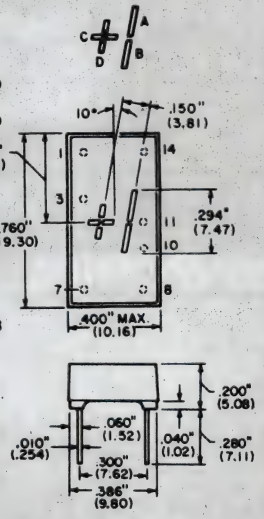


Fig. P35

ECG3068 - Red
ECG3070 - Orn

1. A – Cathode
2. F – Cathode
3. Common Anode
4. No Pin
5. No Pin
6. No Connection
7. E – Cathode
8. D – Cathode
9. Dec P_t Cathode
10. C – Cathode
11. G – Cathode
12. No Pin
13. B – Cathode
14. Common Anode

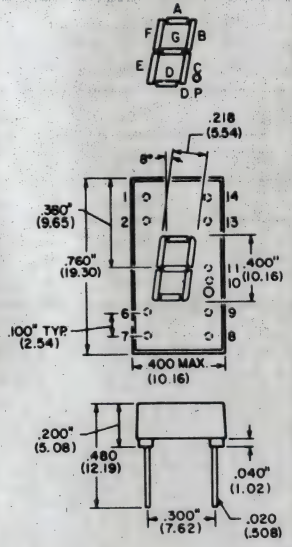
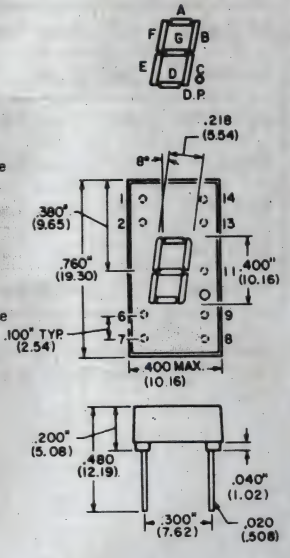


Fig. P36

ECG3069 - Red
ECG3071 - Orn

1. F – Anode
2. G – Anode
3. No Pin
4. Common Cathode
5. No Pin
6. E – Anode
7. D – Anode
8. C – Anode
9. Dec P_t Anode
10. No Pin
11. No Pin
12. Common Cathode
13. B – Anode
14. A – Anode



Numeric LED Display Outlines (cont'd)

Fig. P37

ECG3074 - Red	ECG3075 - Red
1. E – Cathode - 1	1. E – Anode - 1
2. D – Cathode - 1	2. D – Anode - 1
3. C – Cathode - 1	3. C – Anode - 1
4. Dec P_t Cathode - 1	4. Dec P_t Anode - 1
5. E – Cathode - 2	5. E – Anode - 2
6. D – Cathode - 2	6. D – Anode - 2
7. G – Cathode - 2	7. G – Anode - 2
8. C – Cathode - 2	8. C – Anode - 2
9. Dec P_t Cathode - 2	9. Dec P_t Anode - 2
10. B – Cathode - 2	10. B – Anode - 2
11. A – Cathode - 2	11. A – Anode - 2
12. F – Cathode - 2	12. F – Anode - 2
13. Common Anode - 2	13. Common Cathode - 2
14. Common Anode - 1	14. Common Cathode - 1
15. B – Cathode - 1	15. B – Anode - 1
16. A – Cathode - 1	16. A – Anode - 1
17. G – Cathode - 1	17. G – Anode - 1
18. F – Cathode - 1	18. F – Anode - 1

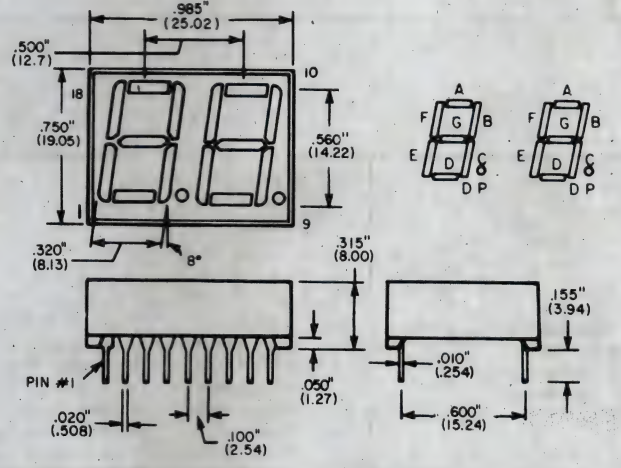


Fig. P38

ECG3076 - Red	ECG3077 - Red
1. C – Cathode - 1	1. C – Anode - 1
2. D – Cathode - 1	2. D – Anode - 1
3. B – Cathode - 1	3. B – Anode - 1
4. Dec P_t Cathode - 1	4. Dec P_t Anode - 1
5. E – Cathode - 2	5. E – Anode - 2
6. D – Cathode - 2	6. D – Anode - 2
7. G – Cathode - 2	7. G – Anode - 2
8. C – Cathode - 2	8. C – Anode - 2
9. Dec P_t Cathode - 2	9. Dec P_t Anode - 2
10. B – Cathode - 2	10. B – Anode - 2
11. A – Cathode - 2	11. A – Anode - 2
12. F – Cathode - 2	12. F – Anode - 2
13. Common Anode - 2	13. Common Cathode - 2
14. Common Anode - 1	14. Common Cathode - 1
15. A – Cathode - 1	15. A – Anode - 1
16. No Connection	16. No Connection
17. No Connection	17. No Connection
18. No Connection	18. No Connection

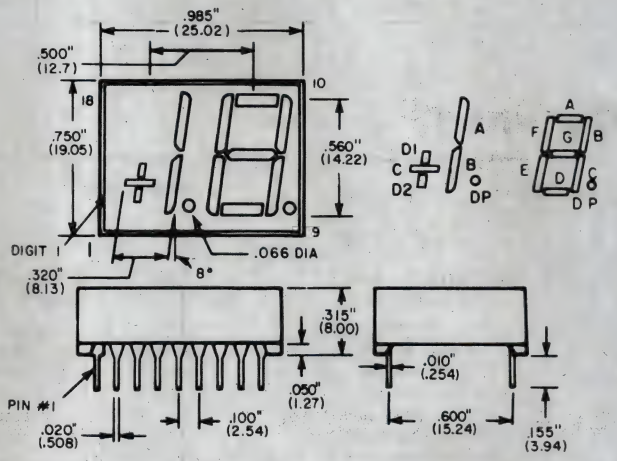


Fig. P39

ECG3078 - Red	ECG3079 - Red
1. E – Cathode	1. E – Anode
2. D – Cathode	2. D – Anode
3. Common Anode	3. Common Cathode
4. C – Cathode	4. C – Anode
5. Dec P_t Cathode	5. Dec P_t Anode
6. B – Cathode	6. B – Anode
7. A – Cathode	7. A – Anode
8. Common Anode	8. Common Cathode
9. F – Cathode	9. F – Anode
10. G – Cathode	10. G – Anode

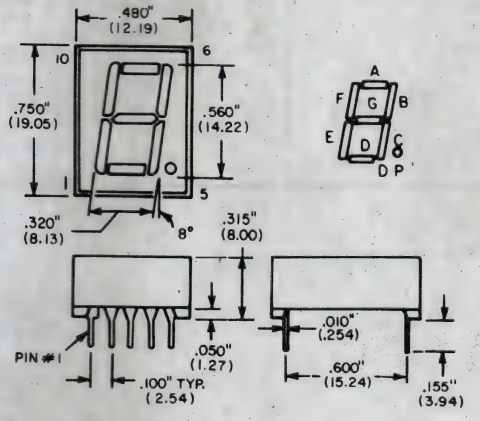
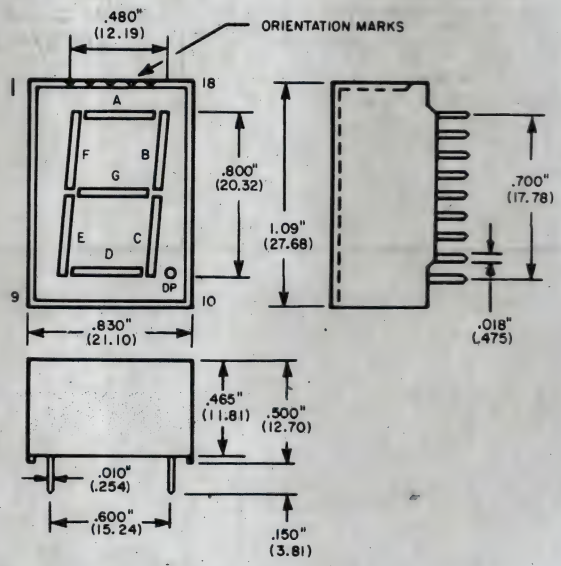


Fig. P40

ECG3080 - Red	
1. No Pin	10. Decimal Point
2. Segment A	11. Segment D
3. Segment F	12. Common Anode
4. Common Anode	13. Segment C
5. Segment E	14. Segment G
6. Common Anode	15. Segment B
7. No Connection	16. No Pin
8. No Pin	17. Common Anode
9. No Pin	18. No Pin



K

Bar Graph LED Displays

ECG Type	Description	Viewed Color	Total Power Dissipation P_t (mW)	Ratings Per Element				Fig. No.
				Max Forward Voltage V_F (V)	Max Reverse Voltage V_R (V)	Max Forward Current I_F (mA)	Typical Luminous Intensity MCD	
ECG3111	5-Element, Com Anode	Red	100	1.9	3	15	.15	P43
ECG3112	5-Element, Com Anode	Green	200	2.05	3	20	.20	P43
ECG3113	9-Element, Com Anode	Red	300	1.9	3	15	.30	P44
ECG3114	9-Element, Com Anode	Green	300	2.05	3	20	.20	P44
ECG3115	10-Element, Separate Anodes and Cathodes	Hi-Efficiency Red	750	2.5	3	20	2.0	P45
ECG3116	10-Element, Separate Anodes and Cathodes	Green	750	3.0	3	20	2.0	P45
ECG3117	10-Element, Separate Anodes and Cathodes	Yellow	750	3.0	3	20	2.0	P45

Outlines

Fig. P43

ECG3111 - Red
ECG3112 - Grn

1. Common Anode
2. D_1 Cathode
3. D_2 Cathode
4. D_3 Cathode
5. D_4 Cathode
6. D_5 Cathode
7. Common Anode

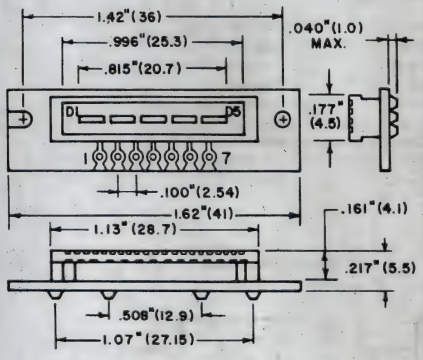


Fig. P44

ECG3113 - Red
ECG3114 - Grn

1. Common Anode
2. D_1 Cathode
3. D_2 Cathode
4. D_3 Cathode
5. D_4 Cathode
6. D_5 Cathode
7. D_6 Cathode
8. D_7 Cathode
9. D_8 Cathode
10. D_9 Cathode
11. Common Anode

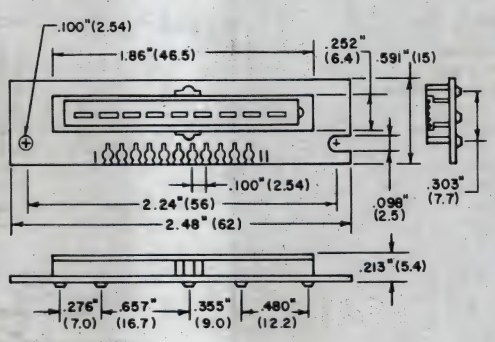
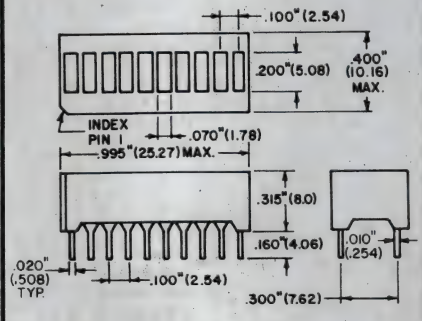


Fig. P45

ECG3115 - Red
ECG3116 - Grn
ECG3117 - Yel

1. D_1 Anode
2. D_2 Anode
3. D_3 Anode
4. D_4 Anode
5. D_5 Anode
6. D_6 Anode
7. D_7 Anode
8. D_8 Anode
9. D_9 Anode
10. D_{10} Anode
11. D_{10} Cathode
12. D_9 Cathode
13. D_8 Cathode
14. D_7 Cathode
15. D_6 Cathode
16. D_5 Cathode
17. D_4 Cathode
18. D_3 Cathode
19. D_2 Cathode
20. D_1 Cathode



Multi-Lamp LED Arrays

ECG Type	Description	Viewed Color	Ratings Per Lamp						Fig. No.
			Max Power Dissipation P_t (mW)	Max Forward Voltage V_F (V)	Max DC Reverse Voltage V_R (V)	Max Forward Current I_F (mA)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	
ECG3150	5 Lamp Rectangular LED Array for Bar Graph, Level and VU Meters	Red	70	1.9	3.0	30	50	.4	P41
ECG3151		Green	70	2.1	3.0	30	50	.7	P41
ECG3152		Yellow	70	2.1	3.0	30	50	1.5	P41
ECG3153		Red	70	1.9	3.0	30	50	.5	P42
ECG3154		Green	70	2.1	3.0	30	50	1.2	P42
ECG3155		Yellow	70	2.1	3.0	30	50	1.5	P42
ECG3156	7 Lamp Rectangular LED Array for Bar Graph, Level and VU Meters	Red	70	2.8	4.0	15	50	.6	P48
ECG3157		Green	90	2.8	4.0	20	50	1.5	P48
ECG3158		Yellow	90	2.8	4.0	20	50	1.5	P48

Outlines

Fig. P41

ECG3150 - Red
ECG3151 - Grn
ECG3152 - Yel

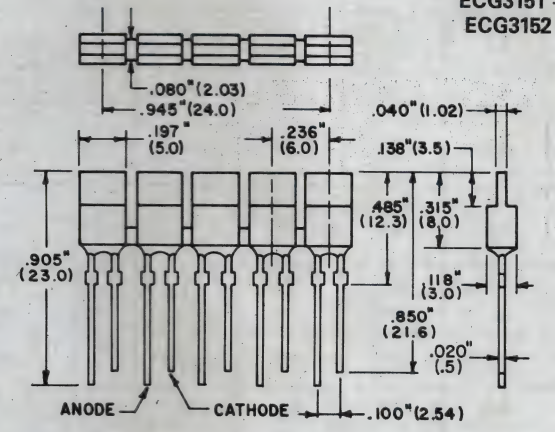


Fig. P42

ECG3153 - Red
ECG3154 - Grn
ECG3155 - Yel

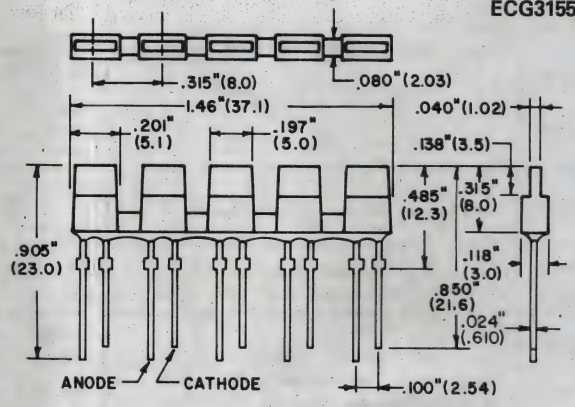
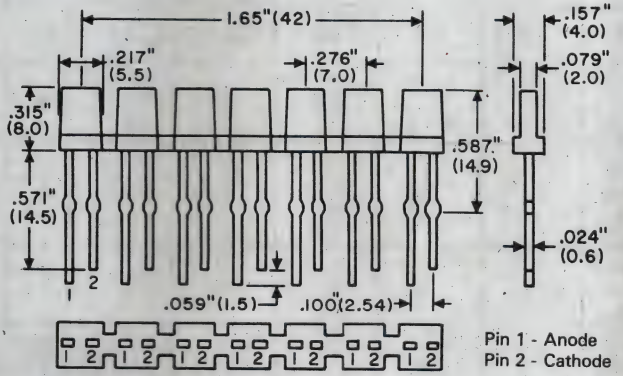


Fig. P48

ECG3156 - Red
ECG3157 - Grn
ECG3158 - Yel



Pin 1 - Anode
Pin 2 - Cathode

K

Discrete LED Indicators

ECG Type	Description/Application	Viewed Color	Forward Voltage V_F (V)	Reverse Voltage V_R (V)	Max DC Forward Current I_F (mA)	Maximum Power Diss. P_D (mW)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	Qty Per Pkg	Fig. No.
ECG3000	Indicator Lights, Diagnostic and Panel Displays, Printed Circuit Board Indicators, Miniature Low Profile Package	Clear Red	1.65	5.0	40	80	80	1.4	4	P1
ECG3001		Flooded Red	1.65	5.0	40	80	80	1.0	4	P1
ECG3002		Clear Yellow	2.10	5.0	35	105	80	1.0	2	P1
ECG3003		Clear Green	2.20	5.0	35	105	80	1.0	2	P1
ECG3004	Diagnostic or Indicator Lights in Low-Power/Low Current Environments, MOS Compatible	Red	1.60	5.0	35	105	25	2.0	2	P2
ECG3007	General Purpose Indicators, Developmental Projects, Breadboards	Red	1.68	5.0	50	100	70	2.5	4	P3
ECG3008		Bright Red	2.00	5.0	35	105	90	5.0	2	P3
ECG3009		Orange	2.00	5.0	35	105	90	5.0	2	P3
ECG3010		Green	2.20	5.0	35	105	90	1.0	2	P3
ECG3011		Yellow	2.10	5.0	35	105	90	3.0	2	P3
ECG3012A	Panel Circuit Indicators, Low Drive Power, High Intensity Visible Emission	Diffused Red	2.20	4.0	25	70	30	3.5	4	P4A
ECG3013A		Clear Red Jewel	2.80	4.0	25	70	30	3.5	4	P5A
ECG3014A		Green	2.8	4.0	25	70	30	10	2	P4A
ECG3015A		Clear Green Jewel	2.10	4.0	25	70	30	12	2	P5A
ECG3016	**Two Color** Panel Circuit Indicator	Red or Green	2.10	4.0	25	75	90	.6	2	P6
ECG3018	Instruments, Printed Circuit Board Indicators, Boardmounted Panel Display	Soft Red	1.65	5.0	100	180	90	1.6	2•	P7
ECG3019		Soft Red	1.65	5.0	100	180	60	3.0	2•	P7
ECG3020	Computers, General Purpose Indicators, Instruments, Test Systems, Mini- and Micro-Processors, Process Controlled Industrial Systems, Sorting Machines, Assembly Equiment, Vending Machines, Telephone Equipment, Backlight Panels. High Intensity Indicators in Four Colors	Flooded Red	1.70	5.0	100	180	80	1.6	2•	P8
ECG3021		Yellow	2.10	5.0	35	105	65	6.0	2•	P8
ECG3022		Bright Red	2.00	5.0	35	105	65	6.0	2•	P8
ECG3023		Orange	2.00	5.0	35	105	65	6.0	2•	P8
ECG3024		Diffused Green	2.20	5.0	35	105	65	1.5	2•	P8
ECG3025	Instruments, Printed Circuit Board Indicators, Boardmounted Panel Display	Red	1.80	5.0	100	180	40	3.0	2•	P9
ECG3026	**Polarity** Indication Tri-State Indicator, Flow Direction Display, Instruments, Tester Displays, Educational Aids	Red or Green	1.65 - R 2.20 - G	--	70 - R 35 - G	200	50	.5 - G 1.5 - R	1•	P10
ECG3030	**Flashing Red** LED with Integral IC. Applications Include Status Indicators and Warning Lights, Pulse Rate = 3 Hz Typ at 5 V_{DC}	Flashing Red	Max V Applied 5.25	.4	20	--	40	1.2	1	P9A
ECG3130	**Flashing Yellow** LED with Integral IC. For Status Indicators and Warning Lights, Pulse Rate = 2.5 Hz Typ at 5 V	Flashing Yellow	Max V Applied 5.25	.4	20	--	40	3	1	P9A
ECG3131	**Flashing Green** LED with Integral IC. For Status Indicators and Warning Lights, Pulse Rate = 2.5 Hz Typ at 5 V	Flashing Green	Max V Applied 5.25	.4	20	--	40	2	1	P9A

• Package includes 2 piece panel mounting grommets consisting of 1 lamp holder and 1 collar for each device.

Discrete LED Indicators (cont'd)

ECG Type	Description/Application	Viewed Color	Forward Voltage V_F (V)	Reverse Voltage V_R (V)	Max DC Forward Current I_F (mA)	Maximum Power Diss. P_D (mW)	Typical Viewing Angle Degrees	Typical Luminous Intensity MCD	Qty Per Pkg	Fig. No.
ECG3160	**Rectangular** LEDS. Applications Include Bar Graph Displays, Level Meters, Panel Displays, Instrumentation and General Purpose Indicators	Red	1.90	3.0	30	70	50	.4	5	P12
ECG3161		Green	2.10	3.0	30	70	50	.7	5	P12
ECG3162		Yellow	2.10	3.0	30	70	50	2.0	5	P12
ECG3163		Red	1.90	3.0	30	70	50	.4	5	P13
ECG3164		Green	2.10	3.0	30	70	50	.7	5	P13
ECG3165		Yellow	2.10	3.0	30	70	50	1.5	5	P13
ECG3166		Red	1.90	3.0	30	70	50	.5	5	P14
ECG3167		Green	2.10	3.0	30	70	50	.7	5	P14
ECG3168		Yellow	2.10	3.0	30	70	50	2.0	5	P14
ECG3169	Square LED, Used as Level Indicator, Panel Display and General Purpose	Diffused Red	2.8	5.0	20	--	--	1.5	5	P49
ECG3170		Diffused Green	2.8	5.0	20	--	--	2.0	5	P49
ECG3171		Diffused Yellow	2.8	5.0	20	--	--	2.0	5	P49
ECG3172	Triangular LED, Used as Location Indicator and Line Finder	Diffused Red	2.8	4.0	25	70	50	.4	5	P50
ECG3173		Diffused Green	2.8	4.0	30	90	50	1.0	5	P50
ECG3174		Diffused Yellow	2.8	4.0	30	90	50	1.0	5	P50
ECG3180	P. C. Mount. LED, Used as Panel Indicators, Backlight Legends, Light Arrays. Mounting Grommet Supplied With Each LED	Red	2.5	5.0	35	200	120	4.5	2	P51
ECG3181		Green	3	5.0	30	200	120	4.5	2	P51
ECG3182		Yellow	2.5	5.0	25	200	120	4.5	2	P51

Discrete LED Indicator Outlines

Fig. P1

ECG3000 - Red
ECG3001 - Red
ECG3002 - Yel
ECG3003 - Grn

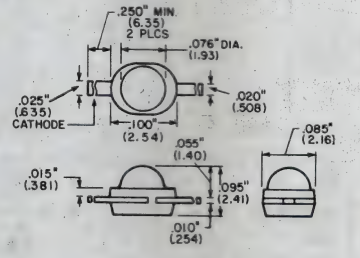


Fig. P2

ECG3004 - Red

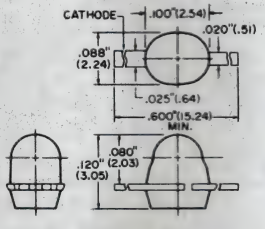


Fig. P3

ECG3007 - Red
ECG3008 - Red
ECG3009 - Orn
ECG3010 - Grn
ECG3011 - Yel

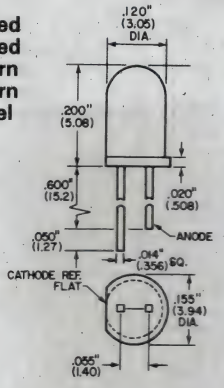


Fig. P4A

ECG3012A - Red
ECG3014A - Grn

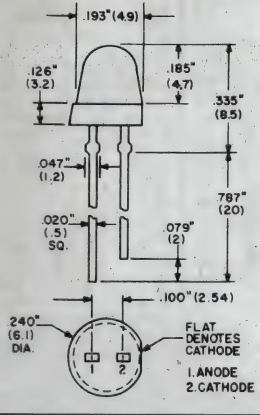
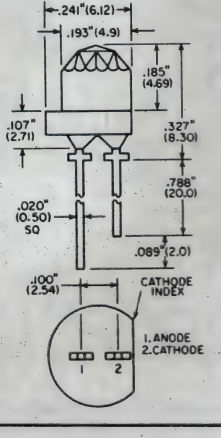


Fig. P5A

ECG3013A - Red
ECG3015A - Grn



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Discrete LED Indicator Outlines (cont'd)

Fig. P6

ECG3016 - Red or Grn

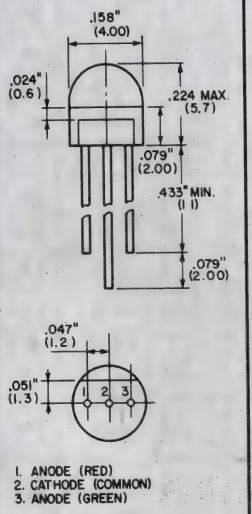


Fig. P7

ECG3018 - Red
ECG3019 - Red

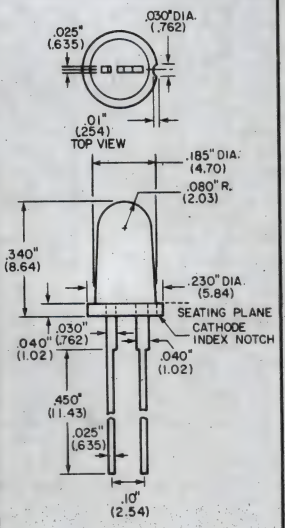


Fig. P8

ECG3020 - Red
ECG3021 - Yel
ECG3022 - Red
ECG3023 - Orn
ECG3024 - Grn

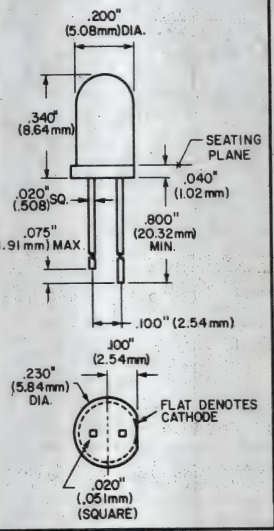


Fig. P9

ECG3025 - Red

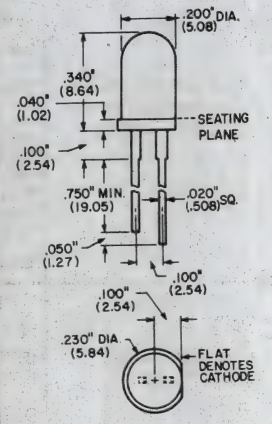
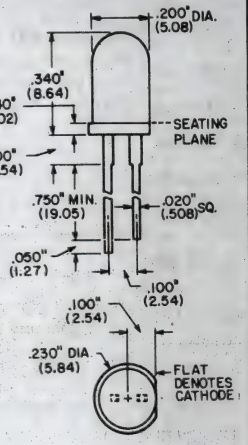


Fig. P9A

ECG3030 -• Flashing Red
ECG3130 - Flashing Yel
ECG3131 - Flashing Grn



• Alt. Fig. P11

Fig. P10

ECG3026 - Red or Grn

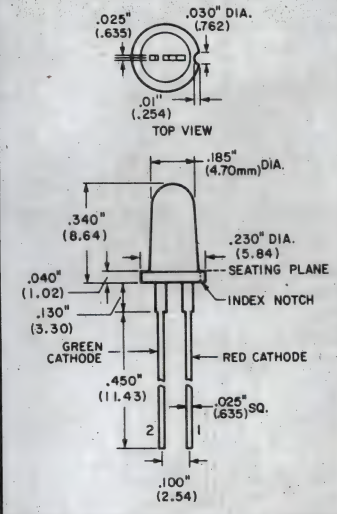
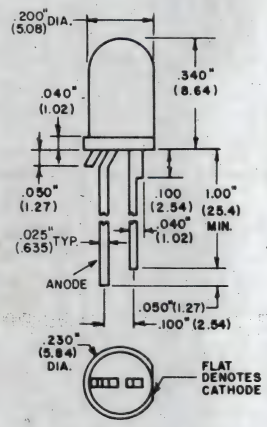


Fig. P11

ECG3030 -• Flashing Red



• Alt. Fig. P9A

Fig. P12

ECG3160 - Red
ECG3161 - Grn
ECG3162 - Yel

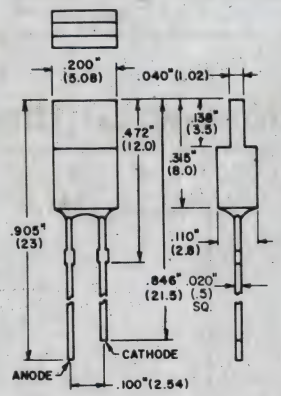


Fig. P13

ECG3163 - Red
ECG3164 - Grn
ECG3165 - Yel

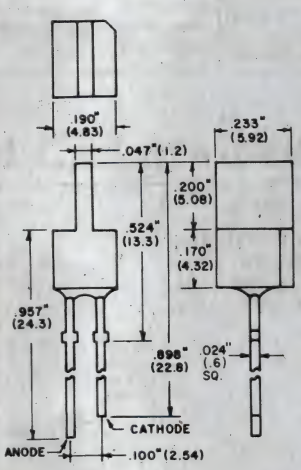


Fig. P14

ECG3166 - Red
ECG3167- Grn
ECG3168 - Yel

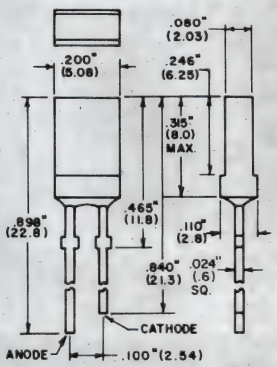


Fig. P49

ECG3169 - Red
ECG3170 - Grn
ECG3171 - Yel

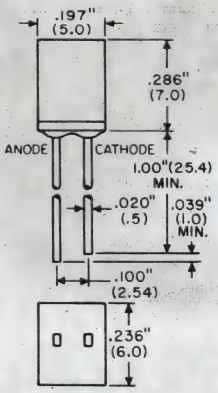


Fig. P50

ECG3172 - Red
ECG3173 - Grn
ECG3174 - Yel

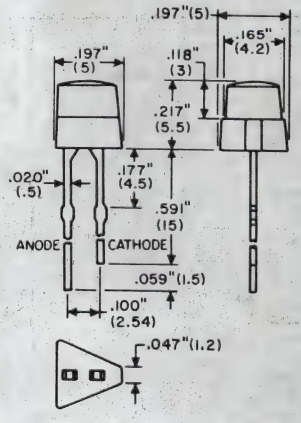
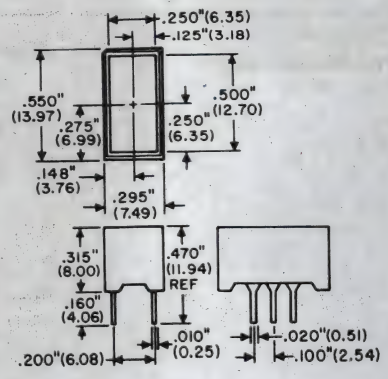


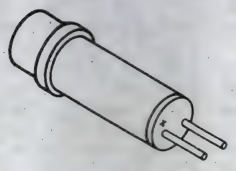
Fig. P51

ECG3180 - Red
ECG3181 - Grn
ECG3182 - Yel





LED Cartridge Indicator



- **Integrated circuit compatibility**
- **Solid state reliability**
- **Immune to shock and vibration**
- **Polarized; terminal base is keyed**

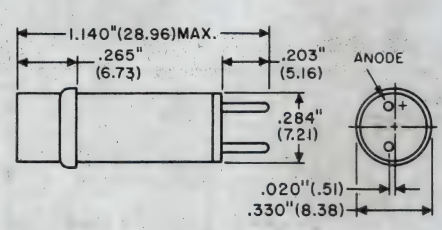
The ECG32XX series can be used as direct replacements for existing incandescent lamp cartridges operating from a DC power source.

The ECG32XX series are compatible with integrated circuits and may be driven directly by RTL, DTL and TTL logic.

(Operating Temperature Range, T_{opg} = −55°C to +70°C)

ECG Type	Viewed Color	Rated Voltage (V)	Forward Current (Typ)
ECG3200	Red	5 - 6 VDC	18 mA
ECG3201	Green		
ECG3202	Amber		

Fig. P53
ECG3200 - Red
ECG3201 - Grn
ECG3202 - Amber



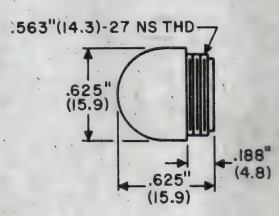
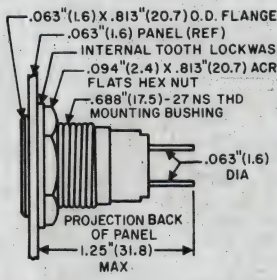
Note: Panel mounting clip included

See Page 1-364 for optional cartridge connector (ECG201)

Miniature Incandescent Pilot Light Assembly



- **Panel mounting through 11/16" clearance hole**
- **6 or 120 V typ (T-2)**
- **Red stovepipe screw-in lens cap**
- **Includes mounting hardware and bulb**
- **Quick connect terminals (.205), Faston™**

ECG Type	Volts	Avg (Amps) Current	Red Lens Cap	Base Assembly	Lamp Type
ECG206	6	.140			T-2 With Telephone Slide Base (PSB type) 
ECG207	120	.025			

DISCONTINUED

TM = Amp Corp.

Infrared Emitting Diodes

ECG Type	Description	Min Power Output Po	Max Forward Voltage VF (V)	Reverse Voltage VR (V)	DC Forward Current IF (mA)	Power Diss. P/Case (m/W)	Peak Emission Wavelength λp (nM)	Response Time (nS)	Beam Angle ⊖ HI (Deg)	Fig. No.
ECG3017	Infrared Emitting Diode for TV Remote Control, 15 mW @ I_f = 100 mA	15 mW	1.7	5	150	210	950	400	60	P9
ECG3027	PN Gallium Arsenide	1 mW	1.5	5	100	150	900	100	15	P16
ECG3028	PN Gallium Arsenide	200 μW	1.5	3	150	200	900	50	15	P17
ECG3029A*	PN Gallium Arsenide	2 mW	1.8	6	50	150	900	1000	30	P18A
ECG3099	Bi-Directional IR LED	1.8 mW	1.5	3	50	75	940	---	15	P56

* 2 Per Pkg.

Outlines

Fig. P9
ECG3017

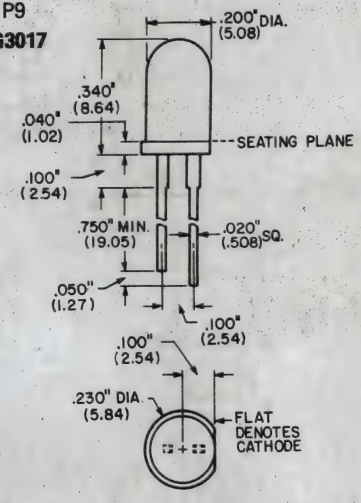


Fig. P16
ECG3027

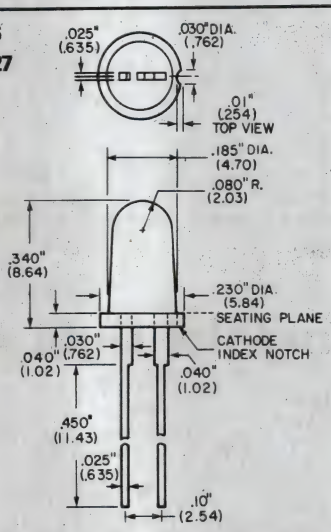


Fig. P17
ECG3028

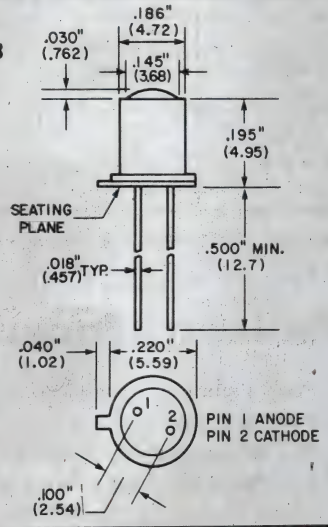


Fig. P18A
ECG3029A

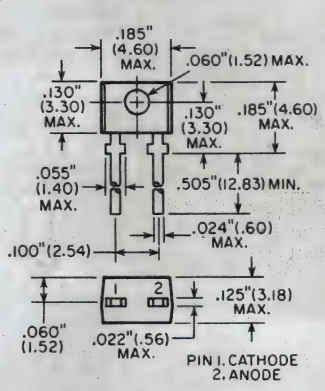
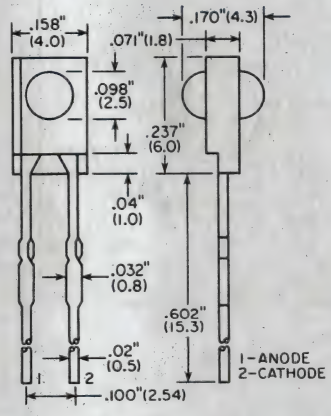


Fig. P56
ECG3099



Phototransistor Detectors

ECG Type	Description	Collector to Base Voltage BV_{CBO} (V)	Max Collector Current I_C (mA)	Max Dark Current I_D at 25°C (nA)	Min Light Current I_L (mA)	Max Power Dissipation at 25°C P_t (mW)	Rise Time t_r (μS)	Fig. No.
ECG3031	NPN, Si, Visible and IR	80	40	20 at V_{CE} 5V	6	200	2 Typ	P19
ECG3032	NPN, Si, Visible and IR	80	40	20 at V_{CE} 5V	12	200	2 Typ	P20
ECG3034A	NPN, Si, Visible and IR	30 (V_{CEO})	100	100 at V_{CE} 10V	.7	150	---	P18B
ECG3035A	NPN, Si-Darlington Amp h_{fe} = 2.0 K, Visible and IR	60	100	100 at V_{CE} 10V	5	150	75	P18A
ECG3036	NPN, Si-Darlington, Visible and IR	40	250	100 at V_{CE} 10V	12	250	40 Typ	P22
ECG3037	NPN, Si, Visible and IR	50	50	500 at V_{CE} 30V	10	150	2 Typ	P23
ECG3038	NPN, Si-Darlington, Visible and IR	25	20	20 at V_{CE} 10V	5	50	1.5 Typ	P24
ECG3120	NPN, Si, Visible and IR	20 (V_{CEO})	20	500 at V_{CE} 10V	1	100	10 Max	P52
ECG3121	NPN, Si, Darlington Visible and IR	20 (V_{CEO})	30	500 at V_{CE} 10V	.5	100	100 Typ	P52
ECG3122	NPN, Si, Darlington, IR, Visible Cut-off, Narrow Acceptance	35 (V_{CEO})	50	1 μA at V_{CE} 10V	1.5	75	80	P59
ECG3123	NPN, Si, Darlington, IR, Visible Cut-off	35 (V_{CEO})	50	1 μA at V_{CE} 10V	.2	75	80	P60

Phototransistor Detector Outlines

Fig. P18A
ECG3035A

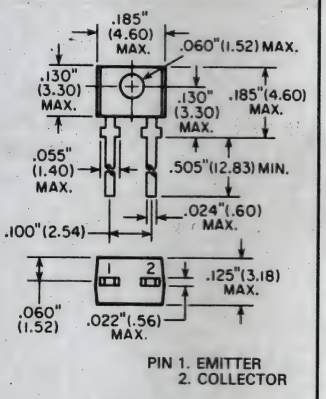


Fig. P18B
ECG3034A

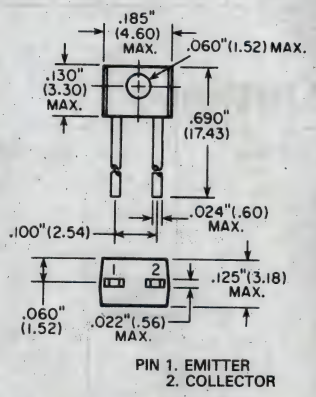


Fig. P19
ECG3031

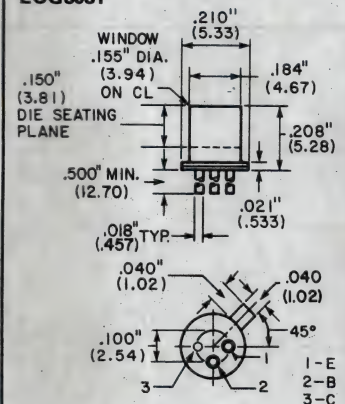


Fig. P20
ECG3032

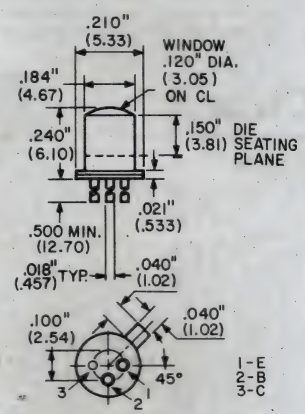


Fig. P21
ECG3034

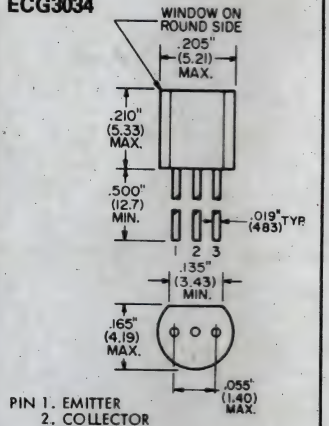


Fig. P22
ECG3036

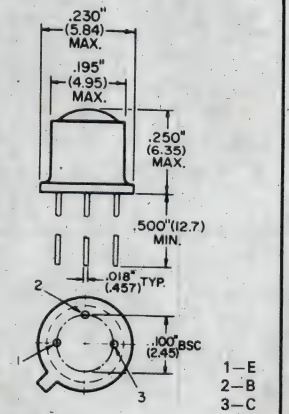


Fig. P23
ECG3037

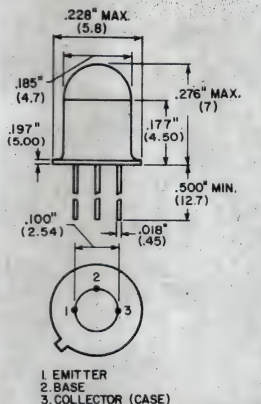
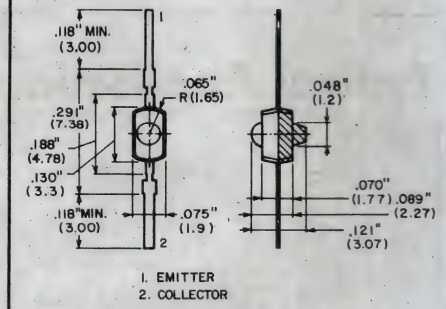


Fig. P24
ECG3038



K

Phototransistor Detector Outlines (cont'd)

Fig. P52
ECG3120
ECG3121

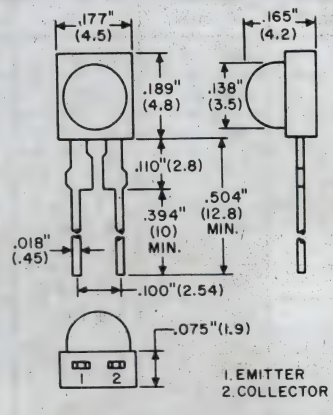


Fig. P59
ECG3122

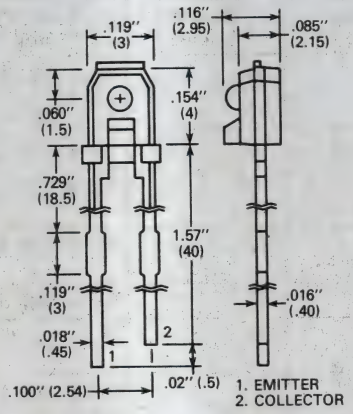
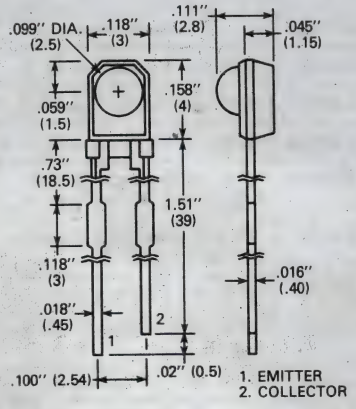


Fig. P60
ECG3123



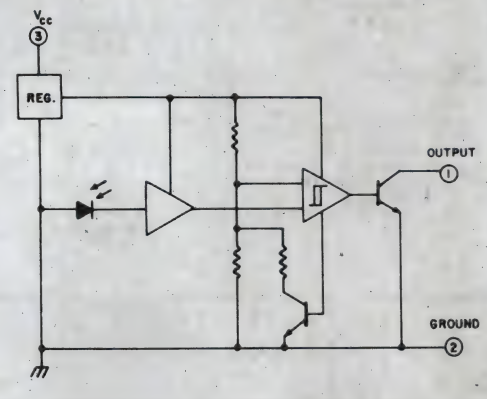
Opto-Electronic Switch — Day/Night Sensing

ECG Type	Description	Max Ratings: Supply Voltage V_{CC} (V)	Max Ratings: Output Voltage V_{OUT} (V)	Max Ratings: Output Current I_{OUT} (mA)	Max Ratings: Power Diss. P_D (mW)	Typical Ratings: Light Threshold ON E_{ON} (Lumens/Ft²)	Typical Ratings: Light Threshold OFF E_{OFF} (Lumens/Ft²)	Ckt Diagram	Fig.* No.
ECG3039	Light/Dark Electronic Switch	15	15	50	750	5.0	5.9	S	P46 P46A

* May be shipped in either case style.

Circuit

Diag. S



Outlines

Fig. P46 **ECG3039**

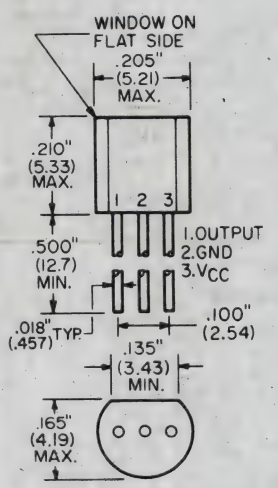
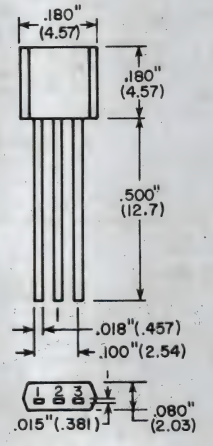
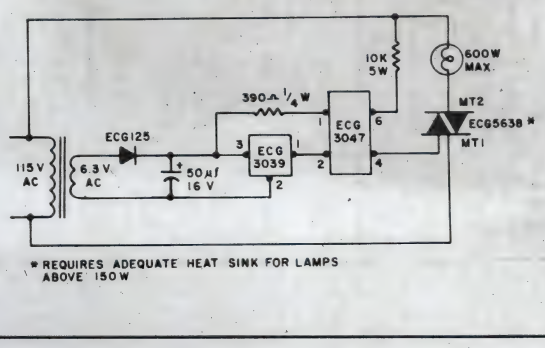


Fig. P46A **ECG3039**



Typical Application

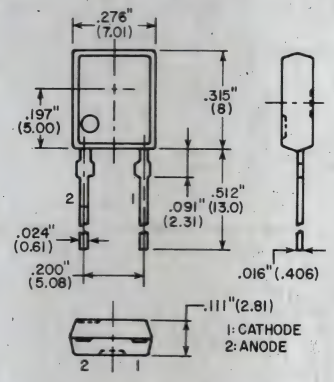


Infrared Detector Diodes

ECG Type	Description	Reverse Voltage V_R (V)	Max. Dark Current I_D (nA)	Min Light Current I_L (μA)	Power Dissipation P_D (mW)	Rise Time t_r (nS)	Typ Detection Angle	Typ Detection Wavelength (nm)	Fig. No.
ECG3033	Infrared PIN Detector Diode	30	50	35	100	50	65°	900	P54

Outline

Fig. P54 ECG3033



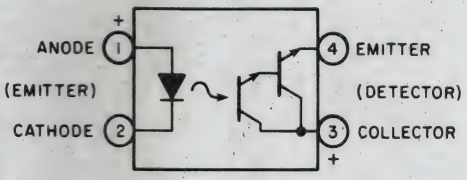
Note: Index mark denotes window side.

Opto-Coupled Interrupter Modules

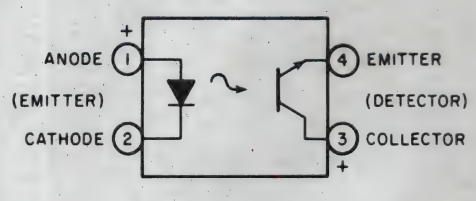
ECG Type	Output Configuration	Total Power Dissipation P_t (mW)	LED Max Ratings		Collector To Emitter Voltage BV_{CEO} (V)	Collector Current I_C (mA)	Ckt. Diagram	Fig. No.
			Forward Current I_F (mA)	Reverse Voltage V_R (V)				
ECG3100	NPN Transistor	250	60	6	55	100	D	P25
ECG3101	NPN Darlington	250	60	6	55	100	C	P25
ECG3102	NPN Transistor	250	60	6	55	100	D	P26
ECG3103	NPN Darlington	250	60	6	55	100	C	P26
ECG3104	NPN Transistor	100	50	6	35	20	T	P57
ECG3105	NPN Transistor	75	50	3	30	20	U	P58

Circuits

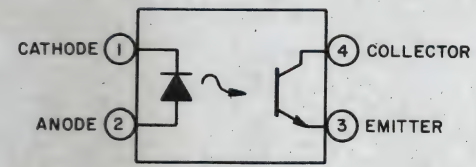
Diag. C — ECG 3101 3103



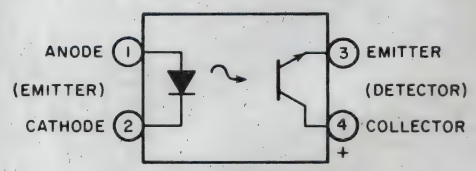
Diag. D — ECG 3100 3102



Diag. T — ECG 3104



Diag. U — ECG 3105



Outlines

Fig. P25

ECG 3100 3101

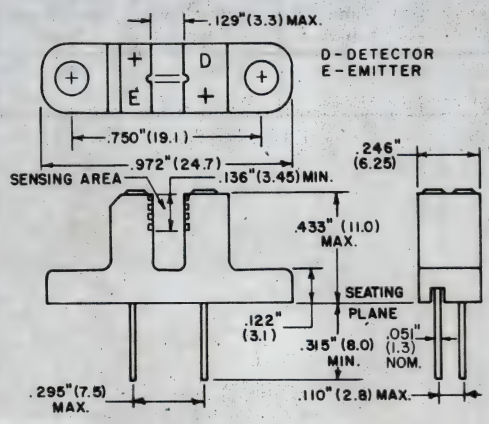


Fig. P26

ECG 3103

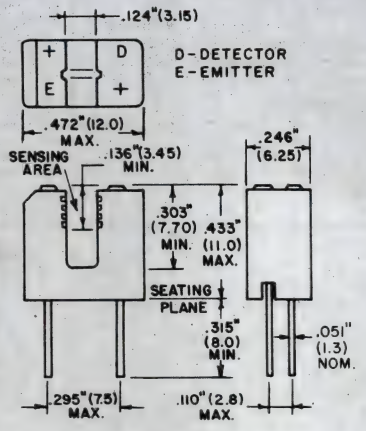


Fig. P57

ECG 3104

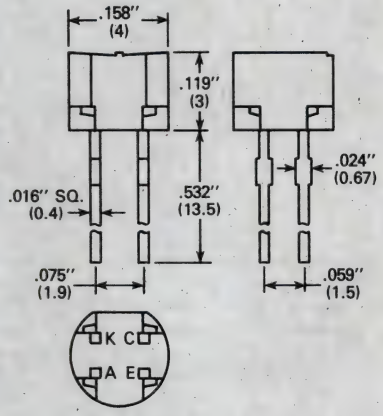
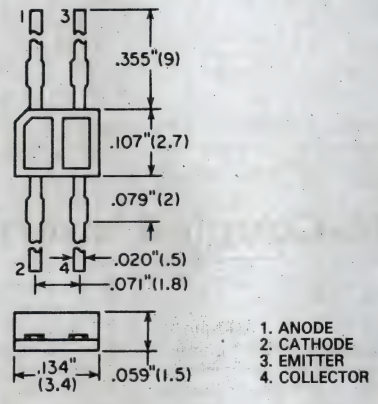


Fig. P58

ECG 3105



Optoisolators

Phototransistors		Total Device Ratings			LED Max Ratings		Phototransistor Ratings					
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Total Power P_t (mW)	DC Current Transfer Ratio % *	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Collector to Base Voltage BV_{CBO} (V)	Collector to Emitter Voltage BV_{CEO} (V)	Collector Current I_C (mA)	Typ Freq KHz	Ckt. Diag.	Fig. No.
ECG3040	NPN Transistor	7500	250	20	80	3	70	30	3.5 Typ	300	A	P28
ECG3041	NPN Transistor	7500	250	100	60	6	70	30	100 Max	150	A	
ECG3042	NPN Transistor	7500	250	20	60	3	70	30	50 Max	150	A	
ECG3043	NPN Transistor	3550	260	70	60	3	70	80	50 Max	100	A	
ECG3044	NPN Darlington	7500	300	300	80	3	--	80	150 Max	75	B	
ECG3045	NPN Darlington	7500	300	500	80	3	--	80	150 Max	75	B	
ECG3081	NPN Transistor	6000	250	20	60	3	--	30	100	100	D	P27
ECG3082	NPN Darlington	6000	250	400	60	3	--	30	100	75	C	
ECG3083	NPN Darlington	7500	250	100	60	3	55	55	100	75	E	P28
ECG3084	NPN Darlington	7500	250	200	60	3	30	30	100	75	E	
ECG3086	NPN Dual Transistor	7500	400	50	60	3	---	30	30	200	F	P29
ECG3220	NPN Dual Transistor	5000	150	100	50	5	---	55	50	---	V	
ECG3088	NPN Transistor	7500	300	20	60	6	300	300 (BV_{CER})	100	200	A	P28
ECG3089	NPN Transistor	7500	300	20	60	--	70	30	100	200	M	
ECG3096	Low Input Drive NPN Transistor	7500	300	50 @ I_F 1 mA	60	6.0	70	30	100	200	A	
ECG3098	NPN Transistor	5000	250	100	60	5	---	55	50	---	S	P55
ECG3221	NPN Quad Transistor	5000	150	100	50	5	---	55	50	---	W	P61

* DC Current Transfer Ratio is the output transistor collector current divided by the LED forward current - $h_{FE} = I_C / I_F$

Photothyristors		Total Device Ratings		LED Max Ratings		Photothyristor Ratings						
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	V_{DRM} (V)	I_T RMS (mA)	I_{FT} (mA)	V_F (on) (V) 100 mA	I_{HOLD} (mA)	Ckt. Diag.	Fig. No.
ECG3046	SCR	3550	260	60	3	400	100	14	1.3	.5	G	P28
ECG3047	TRIAC	7500	330	50	3	250	100	10	3.0	.1	H	
ECG3048	TRIAC	7500	330	50	3	400	100	10	3.0	.1	H	
ECG3049	TRIAC with Zero Crossing Circuit	7500	330	50	3	250	100	15	3.0	.1	J	
ECG3091	SCR	4000	400	60	6	400	300	11	1.3 at 300 mA	.5	G	
ECG3097	TRIAC with Zero Crossing Circuit	7500	300	50	6	400	100	15	3.0	.2	J	

Photo FET		Total Device Ratings		LED Max Ratings		Photo FET Ratings						
ECG Type	Output Configuration	Isolation Voltage V_{iso} Surge (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Drain to Source Breakdown Voltage BV_{DSS} (V)	Drain Current I_D (mA)	RDSon (Ohms)	Ton (μsec)	Toff (μsec)	Ckt. Diag.	Fig. No.
ECG3085	FET	2500	300	60	6	$\pm$30	$\pm$100	200	15	15	K	P28

TTL Compatible Photo Coupled Logic Gates		Total Device Ratings		LED Ratings		Output Ratings					
ECG Type	Output Configuration	Isolation Voltage V_{iso} (V)	Power P_t (mW)	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Max Supply Voltage V_{CC} (V)	Output Current I_O (mA)	Propagation Delay Time (nsecs)	Enable Voltage V_E (V)	Ckt. Diag.	Fig. No.
ECG3087	Hi Speed Open Collector, NAND Gate	3000	100	10	5.0	5.0	50	75	5.0	L	P29
ECG3094	Dual Hi Speed Open Collector, NAND Gates	3000	60	15	5.0	5.0	16 Per Channel	75	--	Q	

K

Optoisolators (cont'd)

TTL Compatible Phototransistors		Device Ratings		LED Max Ratings		Output Ratings						
ECG Type	Output Configuration	Isolation Voltage Viso (V)	Power Pt (mW)	Forward Current IF (mA)	Reverse Voltage VR (V)	Max Vcc (V)	Current Transfer Ratio % *	Output Current Io (mA)	Propagation Delay Time (nsec)	Data Transfer Rate Mbit/sec	Ckt. Diag.	Fig. No.
ECG3092	Open Collector NPN Transistor	3000	100	25	5	15	15	8	800	1	O	P29
ECG3093	NPN Split Darlington	3000	100	20	5	18	400	60	tPHL 1 μsec tPLH 7 μsec	100K	P	
ECG3095	Dual Open Collector, NPN Transistors	3000	100	25	5	15	15	8	800	1	R	

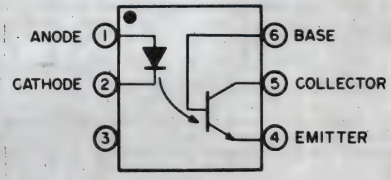
* DC Current Transfer Ratio is the output transistor collector current divided by the LED forward current - $h_{FE} = I_C / I_F$

		Total Device Ratings		Led Max Ratings		Output Ratings						
ECG Type	Output Configuration	Isolation Voltage Viso Surge (V)	Power Pt (mW)	Forward Current IF (mA)	Reverse Voltage VR (V)	Vcc Voltage Range (V)	Output Voltage Vo (V)	Output Current Io (mA)	Turn-On Time Ton (μsec)	Turn-Off Time Toff (μsec)	Ckt. Diag.	Fig. No.
ECG3090	Schmitt Trigger	7500	150	60	6	3V to 15V	15 max	50 max	1.2 typ	1.2 typ	N	P28

Optoisolator Circuits

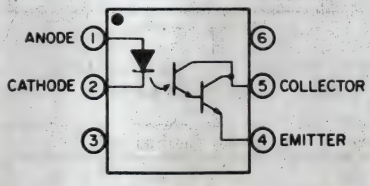
Diag. A — Fig. P28

ECG 3040, 3041, 3042, 3043, 3088, 3096



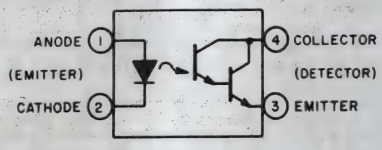
Diag. B — Fig. P28

ECG 3044, 3045



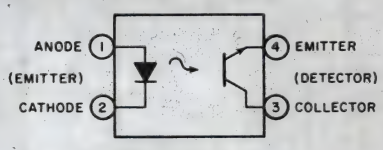
Diag. C — Fig. P27

ECG3082



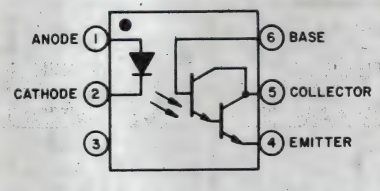
Diag. D — Fig. P27

ECG3081



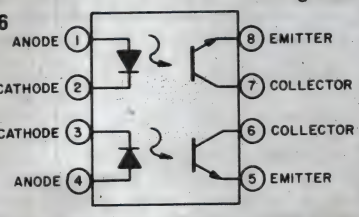
Diag. E — Fig. P28

ECG 3083, 3084



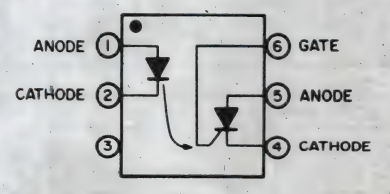
Diag. F — Fig. P29

ECG3086



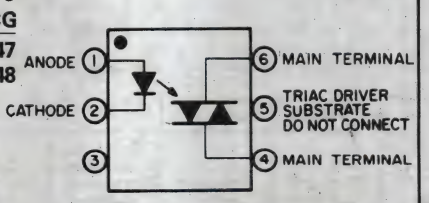
Diag. G — Fig. P28

ECG 3046, 3091



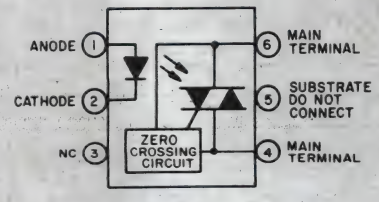
Diag. H — Fig. P28

ECG 3047, 3048



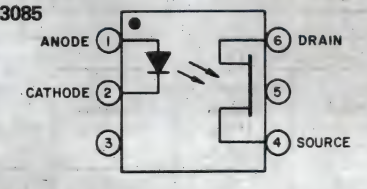
Diag. J — Fig. P28

ECG 3049, 3097



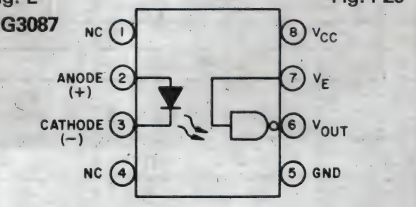
Diag. K — Fig. P28

ECG3085



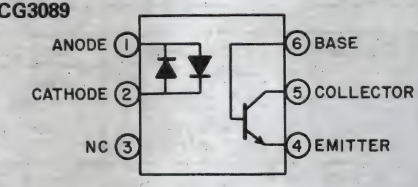
Diag. L — Fig. P29

ECG3087



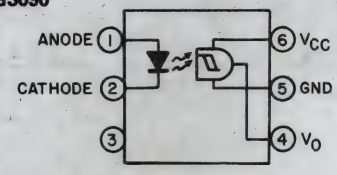
Diag. M — Fig. P28

ECG3089

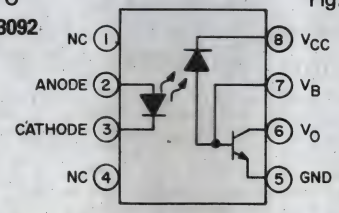


Optoisolator Circuits (cont'd)

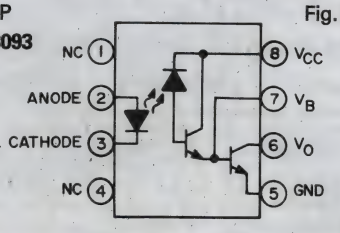
Diag. N — Fig. P28
ECG3090



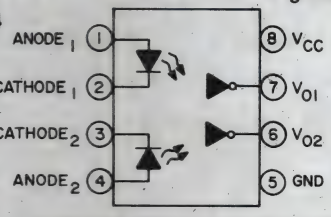
Diag. O — Fig. P29
ECG3092



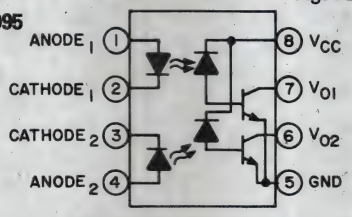
Diag. P — Fig. P29
ECG3093



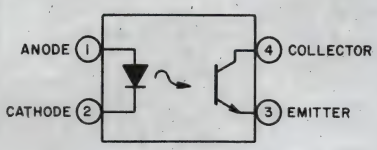
Diag. Q — Fig. P29
ECG3094



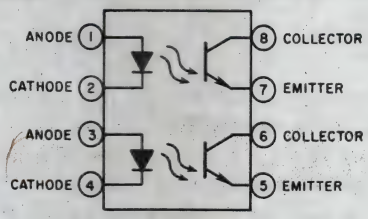
Diag. R — Fig. P29
ECG3095



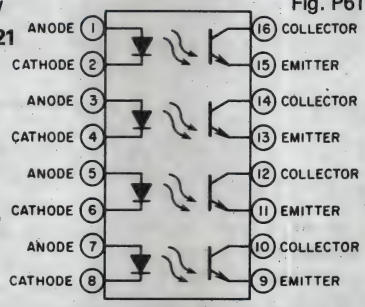
Diag. S — Fig. P55
ECG3098



Diag. V — Fig. P29
ECG3220



Diag. W — Fig. P61
ECG3221



Optoisolator Outlines

Fig. P27
ECG
3081
3082

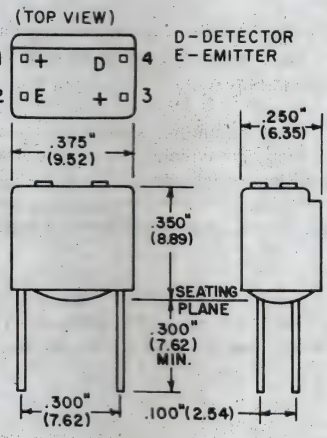


Fig. P28
ECG
3040 **3096**
3041 **3097**
3042
3043
3044
3045
3046
3047
3048
3049
3083
3084
3085
3088
3089
3090
3091

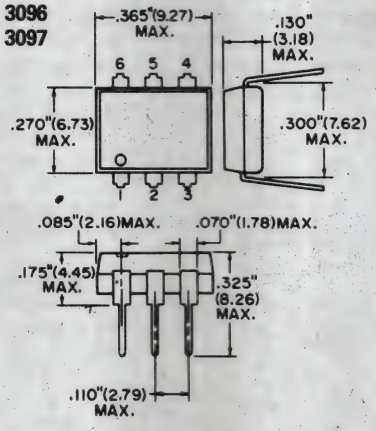


Fig. P29
ECG
3086 **3092** **3094** **3220**
3087 **3093** **3095**

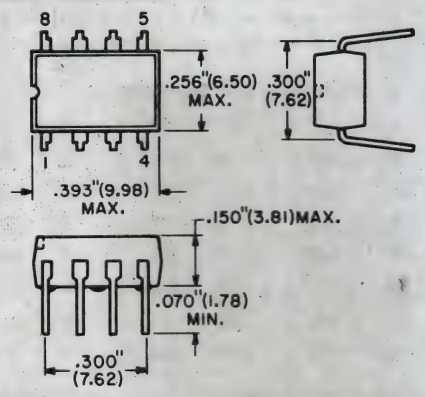


Fig. P55
ECG
3098

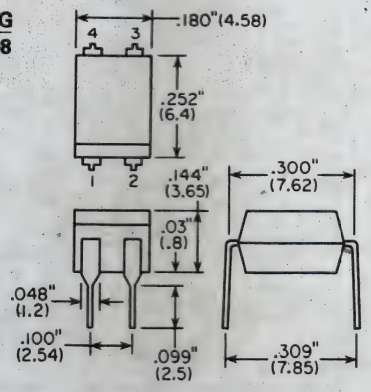
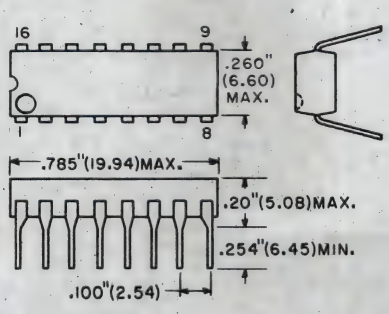


Fig. P61
ECG
3221



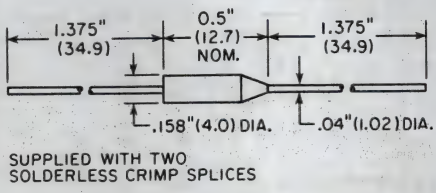
K

Thermal Cutoffs

Maximum Current Rating: 15 Amperes
Typical Operating Temperature Tolerance: +0°C, −4°C

ECG Type	Maximum Opening Temperature °C	°F	ECG Type	Maximum Opening Temperature °C	°F
ECG8063	66	151	ECG8115	117	243
ECG8070	72	162	ECG8118	121	250
ECG8076	77	171	ECG8125	128	263
ECG8081	84	184	ECG8139	141	286
ECG8085	87	189	ECG8149	152	306
ECG8090	93	200	ECG8167	171	340
ECG8096	98	209	ECG8181	184	364
ECG8098	100	212	ECG8213	216	421
ECG8103	104	220	ECG8226	228	443
ECG8108	109	229	ECG8242	240	464

Fig. C1



Replacement Procedures and Precautions

Proper Identification Of Part To Be Replaced.

It is important to determine the correct cut-off temperature from any available information. The original part may be marked with a part number, a cut-off temperature (in °C or °F), three resistor-type color bands (starting at seal end, bands represent opening temperature in degrees C) or any combination of these three markings.

The color of the plastic on the end of a TCO is not a reliable indication of the cut-off temperature. **There is no industry standard.**

Frequently the last three digits of the part number are the same as the cut-off temperature in either degrees Farenheit or degrees Celsius. The table below lists Celsius to Farenheit temperature conversions for your reference. When replacing a thermal cut-off with a trip temperature less than 120°C, the replacement part should have a trip temperature within 4°C of the original part. If the original part has a trip temperature greater than 120°C, the replacement should be within 8°C of the original part.

°C to °F Temperature Equivalents

°C	°F	°C	°F	°C	°F	°C	°F
60	140	95	203	140	284	210	410
65	149	100	212	150	302	220	428
70	158	105	221	160	320	230	446
75	167	110	230	170	338	240	464
80	176	115	239	180	356	250	482
85	185	120	248	190	374		
90	194	130	266	200	392		

Replacement Techniques

THE THERMAL CUT-OFF CAN FAIL TO OPEN IF ONE OR MORE OF THE FOLLOWING CONDITIONS ARE PRESENT:

A. - Cracked or broken end seal due to improper lead bending, over-temperature soldering or excessive temperatures in use.

B. - Compression on the end seal lead during use that could re-establish continuity with the case after tripping.

C. - Distorted case caused by damage or clamping during the replacement operation.

The replacement thermal cut-off should have the same lead orientation as the original part to maintain proper heat flow characteristics and to avoid possible shock hazard from failed device case.

If it is necessary to bend the leads of the replacement device, care must be exercised to support the leads near the seal or body with a hand tool or bending fixture as illustrated in Fig. A.

Because these devices are temperature sensitive, we recommend solderless crimp splices or crimp terminations be used as shown in Fig. B. If the leads of the original device are long enough, cut the defective part out at the seal and body. The replacement part can then be installed to the original part leads using the seamless crimp splices supplied with the ECG replacement.

Thermal cut-off leads can be soldered using a heat sink between the thermal cut-off body and the point of connection as shown in Fig. C. Excessive heat could shorten the thermal cut-off life, causing a nuisance trip.

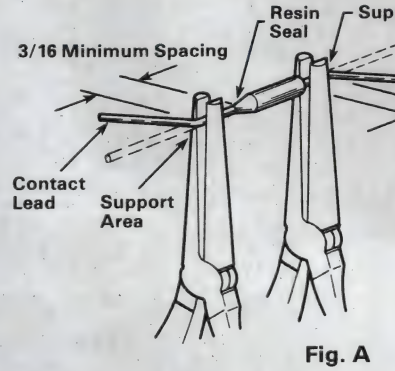


Fig. A

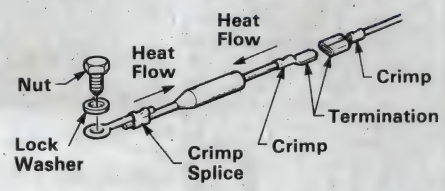


Fig. B

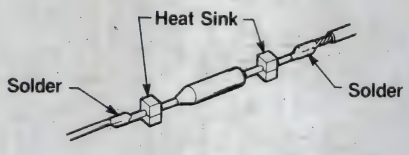


Fig. C

IC Protectors

ECG IC Protectors are components designed to protect ICs and all types of electronic equipment against overloads.

These fast cut-off devices are intended solely for exact replacement in existing equipment. The chart shown below is for quick reference and not for design criteria. No further data is available.

ECG Number	Rated Voltage V Max	Rated Current A Max	Internal Resistance Ω Typ	Case Style	Fig. No.
ECG15005	50	0.4	.220	M-68	L16B
ECG15006	50	0.6	.135	M-68	L16B
ECG15007	50	0.8	.100	M-68	L16B
ECG15008	50	1.0	.070	M-68	L16B
ECG15009	50	1.5	.042	M-68	L16B
ECG15019	50	0.25	.350	TO-92	L16A
ECG15020	50	0.4	.220	TO-92	L16A
ECG15021	50	0.6	.135	TO-92	L16A
ECG15022	50	0.8	.100	TO-92	L16A
ECG15023	50	1.0	.070	TO-92	L16A

Operating Temperature: −55°C to +125°C

Fig. L16A **TO-92**

ECG
15019
15020
15021
15022
15023

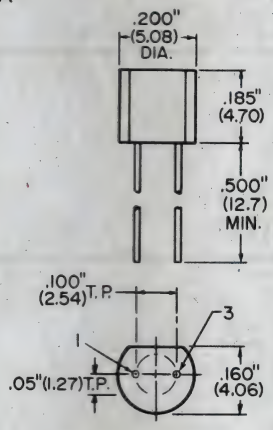
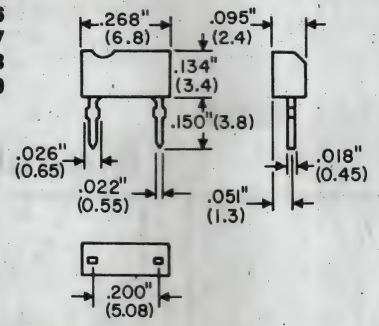
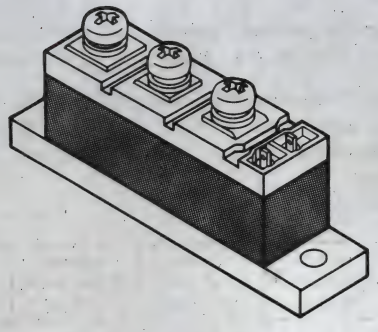


Fig. L16B **M-68 2-Pin**

ECG
15005
15006
15007
15008
15009



Industrial Power Modules



Thyristor Modules

Circuit No.	ECG No.	ECG No.
1	5710	5720
2	5711	5721
3	5712	5722
$I_{T(AV)}$*	**65 A**	**95 A**
$I_{T(RMS)}$*	**120 A**	**150 A**
V_{DRM}	1200 Volts	1200 Volts
V_F	1.45 Volts	1.34 Volts
I_H	250 mA	250 mA
I_{TSM} (1 Cycle)	1500 A	1900 A
I^2T	9300 A^2sec	15000 A^2sec
R_{THCS}	.08 °C/W	.08 °C/W
T_J (Max)	+125 °C	+140 °C
dv/dt	200 V/μsec	200 V/μsec
T_q	150 μsec	150 μsec
V_{GT} (Max)	1.5 Volts	1.5 Volts
I_{GT} (Max)	200 mA	200 mA
P_{GT} (Max)	20 W	20 W
Terminal Torque	35-50 In. Lb.	35-50 In. Lb.

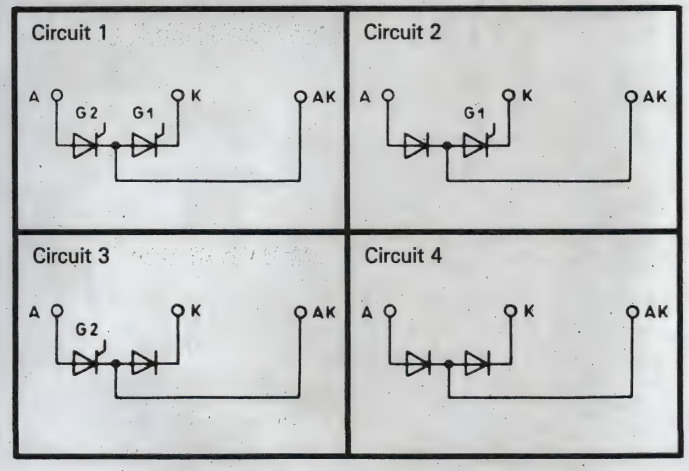
* Per SCR or Rectifier

Rectifier Modules

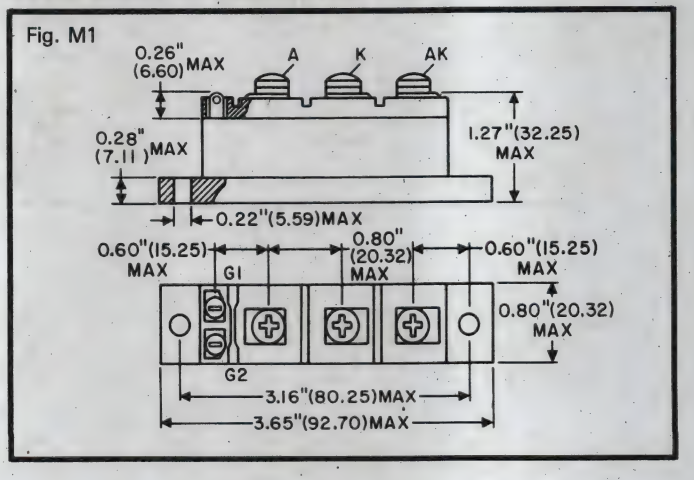
Circuit No.	ECG No.	ECG No.
4	6220	6230
$I_{F(AV)}$*	**65 A**	**95 A**
$I_{F(RMS)}$*	**105 A**	**150 A**
V_{DRM}	1200 V	1200 V
I_{FSM} (1 Cycle)	1000 A	3600 A
I^2T	5000 A^2sec	6500 A^2sec
V_F	1.25 V	1.15 V
T_J (Max)	150 °C	150 °C
R_{THCS}	.08 °C/W	.08 °C/W
Terminal Torque	35-50 In. Lb.	35-50 In. Lb.

* Per Rectifier

Phase Control Thyristor and Rectifier Circuits

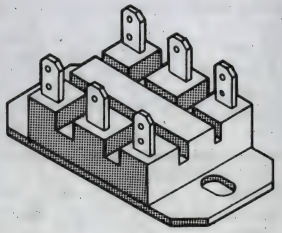


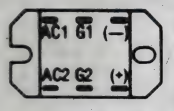
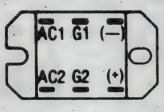
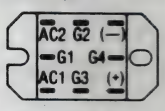
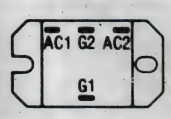
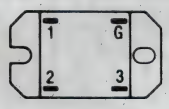
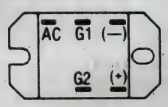
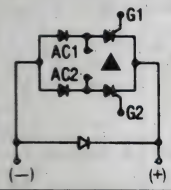
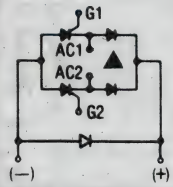
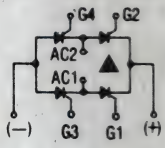
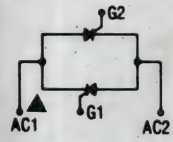
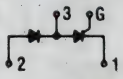
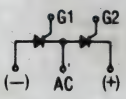
Module Outline



Industrial Power Modules (cont'd)

Hybrid Modules



ECG No.	5700	5701	5702	5703	5704	5705
Description	Single Phase, Hybrid Bridge, Common Cathode, Freewheeling Diode	Single Phase, Hybrid Bridge, Common Anode, Freewheeling Diode	Single Phase All SCR Bridge	SCR AC Switch	Hybrid Doubler	SCR Doubler
Terminal Positions						
Schematic Diagrams						

▲ For transient protection a metal oxide varistor (MOV) may be connected across Terminals AC1 and AC2 externally.

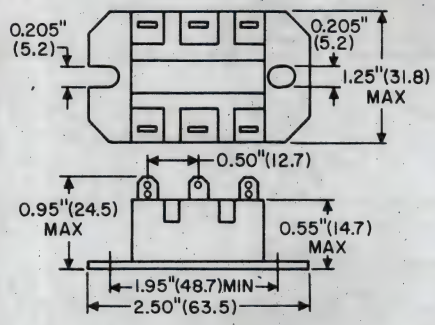
Electrical Characteristics

Symbol	Rating	Unit
V_{DRM}	1200	V
$I_{T\ (AV)}$*	12.5	A
$I_{T\ (RMS)}$*	28	A
I_o†	25	A
I_{TSM} (1 Cycle)	375	A
I^2T	580	A^2sec
V_F (Max)	1.35	V
I_h	100	mA
P_{GT} (Max)	11	W
I_{GT} (Max)	60	mA
V_{GT} (Max)	2	V
dv/dt	200	V/μsec
V_{ISO}	2500	V
Terminal Torque	35-50	In. Lb.

* Per SCR or Rectifier
† Rating for ECG5700, ECG5701 and ECG5702 only

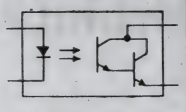
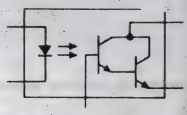
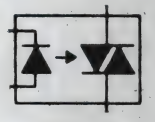
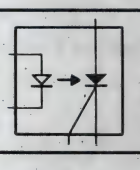
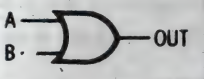
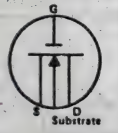
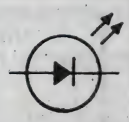
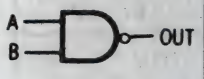
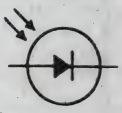
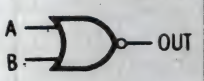
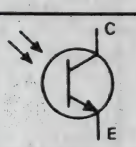
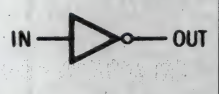
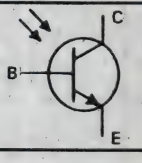
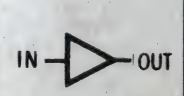
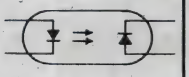
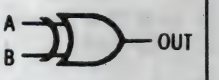
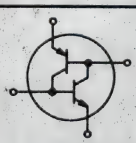
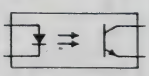
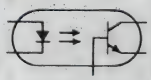
Module Outline

Fig. M2



M

Symbols, Terms and Definitions

NPN Bipolar Transistor 	P-Channel Enhancement Mode MOS FET Dual Gate 	Silicon Unilateral Switch (SUS) 	Optoisolator with Photo-Darlington Output, No Base 
PNP Bipolar Transistor 	Silicon N-Type Unijunction Transistor (UJT) 	Silicon Asymmetrical Switch (SAS) 	Optoisolator with Photo-Darlington Output, and Base 
NPN Darlington Transistor 	Silicon P-Type Unijunction Transistor (UJT) 	PIN Diode 	Optoisolator Triac Driver 
PNP Darlington Transistor 	Programmable Unijunction Transistor (PUT) 	Varactor 	Optoisolator SCR Driver 
N-Channel J FET 	Rectifier or Diode 	Varistor 	AND Gate 
P-Channel J FET 	Full-Wave Bridge Rectifier 	Metal Oxide Varistor (MOV) 	OR Gate 
N-Channel Depletion Mode MOS FET Single Gate 	Zener Diode 	Light Emitting Diode (LED) 	NAND Gate 
P-Channel Depletion Mode MOS FET Single Gate 	SCR (Thyristor) 	Photodiode 	NOR Gate 
N-Channel Enhancement Mode MOS FET Single Gate 	Triac (Thyristor) 	NPN Phototransistor, No Base Connection 	Inverting AMP 
P-Channel Enhancement Mode MOS FET Single Gate 	Diac (Bilateral Trigger Diode) 	NPN Phototransistor, with Base Connection 	Non-Inverting AMP 
N-Channel Depletion Mode MOS FET Dual Gate 	Silicon Controlled Switch (SCS) (Thyristor) 	Optoisolator with Photodiode Output 	Exclusive OR Gate 
P-Channel Depletion Mode MOS FET Dual Gate 	Silicon Controlled Switch (Transistor) (SCS) 	Optoisolator with Phototransistor Output, No Base Connection 	
N-Channel Enhancement Mode MOS FET Dual Gate 	Silicon Bilateral Switch (SBS) 	Optoisolator with Phototransistor Output, and Base Connection 	

Diodes, Rectifiers, Thyristors

C_t — Total Capacitance - The Total Small-Signal Capacitance Between The Diode Terminals.

d_i/d_t — Rate Of Change Of Current Versus Time.

d_v/d_t — Rate Of Change Of Voltage Versus Time.

I_F — Forward Junction Current - The Value Of DC Current That Flows Through A Semiconductor Diode Or Rectifier Diode In The Forward Direction.

I_{FRM} — Peak Forward Current Repetitive Peak - The Peak Value Of The Forward Current Including All Repetitive Transient Currents.

I_{FSM} — Forward Surge Peak DC Current - Maximum (Peak) Surge Forward Current Having A Specified Waveform And A Short Specified Time Interval.

$I_{GT\ Min}$ — Gate Trigger Current - Minimum Gate DC Current Required To Trigger The Device Under The Conditions Specified.

$I_{GO\ Max}$ — Peak Gate Turn-Off Current - Maximum Negative Gate Current Required To Switch Off.

I_H — Holding Current - Anode Current Necessary To Maintain On-State.

I_O — Average Rectifier DC Forward Current - The Value Of The Forward Current Averaged Over A 180° Conduction Angle At 60 Hz.

I_R — DC Reverse Current - Value Of DC Current That Flows Through The Diode In The Reverse Direction. (Leakage Current.)

I_{RM} — Maximum Reverse DC Current - The Respective Value Of Current That Flows Through The Junction In The Reverse Direction.

I_{trms} — Continuous On-State Current.

I_{tsm} — Surge (Non-Repetitive) Peak On-State Current - A Surge Current Of Short-Time Duration.

L_S — Series Inductance - The Inductance Between The Terminals On The Diode.

PRV — Peak Reverse Voltage - Maximum Repetitive Peak Reverse Blocking Voltage That May Be Applied To The Anode-Cathode Of The Device.

R_S — Series Resistance - The Total Small Signal Resistance Between The Diode Terminals.

T_A — Ambient Temperature - The Air Temperature Measured Below A Device, In An Environment Of Substantially Uniform Temperature, Cooled Only By Natural Air Convection And Not Materially Affected By Reflective And Radiant Surfaces.

T_C — Case Temperature - The Temperature Measured At A Specified Location On The Case Of A Device.

T_j — Semiconductor Junction Temperature.

T_Q — Turn Off Time.

t_{rr} — Reverse Recovery Time - The Time Required For The Current Or Voltage To Recover To A Specified Value After Instantaneous Switching From A Stated Forward Current Condition To A Stated Reverse Voltage Or Current Condition.

V_B — DC Breakdown Voltage - Value Of Voltage Measured At The Point Which Breakdown Occurs With The Diode Reverse Biased.

$V_{(BR)R}$ — Static Reverse Breakdown Voltage - The Value Of Negative Anode-To-Cathode Voltage At Which The Differential Resistance Breakdown Between The Anode And Cathode Terminals Changes From A High Value To A Substantially Lower Value.

V_{DRM} — Repetitive Peak Off-State Voltage - Maximum Instantaneous Value Of The Off-State Voltage That Occurs Across The Devices, Including All Repetitive Transient Voltages, But Excluding All Non-Repetitive Transient Voltages.

V_F — Forward Voltage - The Voltage Drop In A Semiconductor Diode Resulting From The Respective Forward Current.

V_{FM} — Maximum Forward Voltage - The Voltage Drop In A Semiconductor Diode Resulting From The Respective Forward Current.

V_{GFM} — Maximum Forward Gate Voltage - Maximum DC Forward Gate Voltage Permitted To Produce A Specified Forward Gate Current.

$V_{GO\ Max}$ — Peak Gate Turn-Off Voltage - Maximum Reverse Gate Voltage Required To Switch Off.

V_{GRM} — Maximum Reverse Gate Voltage - Maximum Peak Reverse Voltage Allowable Between The Gate Terminal And The Cathode Terminal When The Junction Between The Gate Region And The Adjacent Cathode Region Is Reverse Biased.

V_Z — Zener Regulator Reference Voltage - Value Of DC Voltage Across The Diode When It Is Biased To Operate In Its Breakdown Region.

$\Delta V_Z/\Delta T$ — Change In Zener Voltage To Change In Temperature.

Transistors

BV_{CBO} — Collector To Base Breakdown Voltage - Voltage Measured Between Collector And Base With Emitter Open.

BV_{CEO} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter With Base Open.

BV_{CER} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When The Base Terminal Is Returned To The Emitter Terminal Through A Specified Resistance.

BV_{CES} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter With The Base Terminated Through A Short Circuit To The Emitter.

BV_{CEV} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When A Specified Voltage (V) Is Applied Between The Base And Emitter.

Transistors (cont'd)

BV_{CEX} — Collector To Emitter Breakdown Voltage - Voltage Measured Between Collector And Emitter When The Base Is Terminated Through A Specified Load (X) To The Emitter.

BV_{DSS} — Drain To Source Breakdown Voltage - Voltage Measured Between The Drain And Source Terminals With The Gate Short-Circuited To The Source Terminal.

BV_{EBO} — Emitter To Base Breakdown Voltage - Reverse Voltage Measured Between Emitter And Base With The Collector Terminal Open.

BV_{GSS} — Gate To Source Breakdown Voltage - The Breakdown Voltage Between The Gate And Source Terminals With The Drain Terminal Short-Circuited To The Source Terminal.

C_{ISS} — Input Capacitance - The Capacitance Between The Terminals (Gate And Source) With The Drain Short-Circuited To The Source.

C_{RSS} — Reverse Transfer Capacitance - The Capacitance Between The Drain And Gate Terminals.

f_T — Gain Bandwidth Product - Frequency At Which Small-Signal Gain Becomes Unity.

gfs — Forward Transfer Conductance - Common Source Forward Transconductance.

G_{PE} — Power Gain Emitter Output.

h_{FE} — DC Current Gain - The Ratio Of Collector Current To Base Current At A Specified Collector-Emitter Voltage.

I_B — DC Base Current - Value OF DC Current Into The Base Terminal.

I_C — DC Collector Current - Value OF DC Current Into The Collector Terminal.

I_{DSS} — Zero Bias Drain Current - Amount Of Current Which Flows In The Drain When The Gate Is Connected To The Source.

N.F. — Noise Figure.

P_D — Average Power Dissipation.

P_{IN} — Signal Input Power To Device.

P_{OUT} — Signal Output Power.

r_{DSS} — Drain-Source On-State Resistance.

V_{CC} — DC Supply Voltage Applied To The Collector Terminal.

Special Purpose Devices

BV_{CER} — Breakdown Voltage Between Collector And Emitter With A Specified Resistor Between Base And Emitter.

BV_{GKF} — Gate To Cathode Forward Breakdown Voltage.

BV_{GKR} — Gate To Cathode Reverse Breakdown Voltage.

h_{FE} — DC Current Gain - Ratio Of DC Output Current To The DC Input Current.

$I_{BO+(Max)}$ — Maximum Forward Breakover Current.

$I_{BO-(Max)}$ — Maximum Reverse Breakover Current.

I_E — Value Of The DC Current Into The Emitter.

I_{EO} — Emitter Current With One Base Open.

I_G — DC Gate Current - The DC Current Flowing Through The Gate As A Result Of Applied Gate Voltage.

$I_{T\ PK}$ — Total Peak Current.

I_V — Valley Current - The Valley Current Is The Emitter Current At The Second Lowest Current Point.

η — Intrinsic Stand Off Ratio.

R_{BBO} — Base 1 To Base 2 Resistance With Open Emitter.

V_{AK} — Anode To Cathode Voltage - The Maximum Value Of Voltage Applied Between Anode And Cathode Without Failure.

$V_{(BO)+}$ — Forward Breakover Voltage.

$V_{(BO)-}$ — Reverse Breakover Voltage.

ΔV_F — Forward Breakback Voltage.

ΔV_R — Reverse Breakback Voltage.

V_{GT} — Gate Trigger Voltage - The Gate Voltage Required To Produce The Gate Trigger Current.

Opto Electronic Devices

I_D — Dark Current - The Current Which Flows In A Photodetector When There Is No Incident Radiation On The Detector.

I_{FT} — Input Trigger Current - Emitter Current Necessary To Trigger The Coupled Device.

I_L — Light Current - The Current That Flows Through A Photo Sensitive Device When It Is Exposed To Illumination.

P_t — Total Device Power Dissipation.

Response Time — The Time It Takes The Device To React To An Incoming Signal.

Rise Time (t_r) — The Time Duration During Which The Leading Edge Of A Pulse Is Increasing From 10% To 90% Of Its Maximum Amplitude.

V_{ISO} — DC Isolation Surge Voltage - The Dielectric Withstanding Voltage Between The Input And Output.

λ_P — Wavelength At Peak Emission - The Wavelength At Which The Power Output From A Light-Emitting Diode Is Maximum.

θ_{HI} — Half-Intensity Beam Angle - The Angle Within Which The Radiant Intensity Is Not Less Than Half Of The Maximum Intensity.

Linear IC Selector Guide

• Amplifiers

Audio Power

Output Watts	ECG No.	Package
0.45	1530	14 Pin DIP-ET
0.5	1031	12 Pin DIP-W
	1465	9 Pin SIP
	1467	8 Pin SIP
0.55	1627	9 Pin SIP
0.7	1036	12 Pin DIP-W
	1612	9 Pin SIP
1.0	717	14 Pin DIP
	784	12 Pin TO-5
	812	14 Pin DIP
	823	8 Pin DIP
	825	14 Pin DIP
	1009	8 Pin DIP-W
	1032	12 Pin DIP-W
	1033	12 Pin DIP-W
	1035	12 Pin DIP-W
	1075A	14 Pin DIP-ET
	1097	14 Pin DIP-ET
	1126	14 Pin DIP-ET
	1303	14 Pin DIP-ET
	1452	7 Pin SIP
	1472	14 Pin DIP-ET
	7051	8 Pin DIP
1.2	1704	9 Pin SIP
1.3	1137	10 Pin TO-5
1.4	1476	10 Pin SIP-HS
1.5	828	14 Pin DIP
	1141	8 Pin DIP-ET
	1180	14 Pin DIP-ET
	1224	10 Pin TO-5
1.8	1516	8 Pin DIP-ET
2.0	740A	14 Pin DIP-W
	810A	14 Pin DIP-W
	862	14 Pin DIP-W
	1010	8 Pin DIP-W
	1117	14 Pin DIP-Q
	1140	8 Pin DIP-ET
	1156	16 Pin DIP-ET
	1294	8 Pin DIP
2.1	1113	14 Pin DIP-Q
	1228	14 Pin DIP-ET
	1381	14 Pin DIP-ET
2.2	1112	14 Pin DIP
2.3	1463	14 Pin DIP-ET
2.5	1150	8 Pin DIP-W
	1470	14 Pin DIP-ET
3.0	7052	9 Pin SIP-HS
3.3	1118	14 Pin DIP-Q, HS
3.5	1029	10 Pin DIP-ET
	1038	10 Pin DIP-ET
	1185	10 Pin SIP-HS
3.8	1385	14 Pin DIP-W
4.0	1023	14 Pin DIP-W
	1732	12 Pin SIP
	1852	9 Pin SIP-HS
4.2	1222	14 Pin DIP-W
	1363	9 Pin SIP-HS
4.4	1407	9 Pin SIP
4.5	1127	10 Pin SIP-HS
	1165	10 Pin SIP-HS
	1193	12 Pin SIP-HS
	1156	9 Pin SIP-HS
4.8	1081A	10 Pin SIP-HS
	1107	14 Pin DIP-W
5.0	862	14 Pin DIP-W
	1098	10 Pin TO-3
	1116	12 Pin DIP-W
	1450	10 Pin DIP
	7000	16 Pin DIP
5.2	1160	10 Pin SIP-HS
	1365	9 Pin SIP-HS
5.5	1037	10 Pin DIP-ET
	1169	10 Pin SIP-HS
	1239	10 Pin SIP-HS
	1240	11 Pin SIP
	1362	9 Pin SIP-HS
	1369	11 Pin SIP
5.7	1423	8 Pin SIP-HS
	1424	8 Pin SIP-HS
5.8	1155	10 Pin SIP-HS
	1166	10 Pin SIP-HS
	1275	10 Pin SIP-HS
	1278	10 Pin SIP-HS
	1286	7 Pin SIP
	1370	10 Pin SIP-HS
	1375	10 Pin SIP-HS
6.5	1638	12 Pin SIP
7.0	1115	12 Pin DIP-W
	1115A	12 Pin DIP-QW
	1392	10 Pin SIP-HS
	1393	10 Pin SIP-HS
	7101	8-Pin SIP-HS
8.0	1024	10 Pin SIP-M
	1232	5 Pin TO-220
10.0	1025	10 Pin SIP-M
	1288	5 Pin TO-220
	1343	15 Pin SIP-M
	1378	5 Pin TO-220
12.0	1361	9 Pin SIP-HS
	1374	5 Pin TO-220
	1390	10 Pin SIP
	1391	10 Pin SIP
	1832	7 Pin SIP-HS
13.0	1027	10 Pin SIP-M
	1139	10 Pin SIP-M
14.0	1380	5 Pin TO-220
	7059	16 Pin SIP-HS
15.0	1319	10 Pin SIP
18.0	1399	12 Pin SIP-HS
19.0	1602	12 Pin SIP-HS
20.0	1028	10 Pin SIP-M
	1389	12 Pin SIP
	1724	10 Pin SIP
	1815	15 Pin SIP-M
	7011	12 Pin SIP-HS
	7040	12 Pin SIP-HS
22.0	1376	5 Pin TO-220
24.0	1326	10 Pin SIP-M
	1340	10 Pin SIP-M
25.0	1320	10 Pin SIP-M
35.0	1280	10 Pin SIP-M
	1282	10 Pin SIP-M
	1327	10 Pin SIP-M
40.0	1333	10 Pin SIP-M
	1357	10 Pin SIP-M
50.0	1279	10 Pin SIP-M
	1281	10 Pin SIP-M
50.0	1328	10 Pin SIP-M
	1350	10 Pin SIP-M
	1358	10 Pin SIP-M
	7030	15 Pin SIP-M
55.0	1321	10 Pin SIP-M
60.0	1334	10 Pin SIP-M
	1346	10 Pin SIP-M
	1360	10 Pin SIP-M
70.0	1336	16 Pin SIP-M
	1337	10 Pin SIP-M
80.0	1322	10 Pin SIP-M
	1335	10 Pin SIP-M
100.0	1882	15 Pin SIP-M
	7031	15 Pin SIP-M
120.0	7032	18 Pin SIP-M

Audio Dual Power

Output Watts/CH	ECG No.	Package
1.2	7055	14 Pin DIP-ET
2.0	804	14 Pin DIP-W
	990	14 Pin DIP-W
	1154	14 Pin DIP-W
2.3	1667	16 Pin DIP-W
2.4	1387	10 Pin SIP-HS
2.5	1687	11 Pin SIP-HS
3.5	1685	10 Pin SIP-HS
3.9	1372	20 Pin DIP
4.2	1382	20 Pin DIP
	1626	12 Pin SIP
	1637	14 Pin SIP
4.3	1606	12 Pin SIP-HS
5.0	1367	18 Pin DIP
5.1	1383	18 Pin DIP
5.5	1364	14 Pin SIP
	1371	12 Pin SIP
	1373	12 Pin SIP
	1379	20 Pin DIP
	1394	12 Pin SIP
	1707	12 Pin SIP
	7102	14 Pin SIP-HS
5.8	1368	12 Pin SIP
	1395	12 Pin SIP-HS
	1398	12 Pin SIP-HS
	1830	12 Pin SIP-HS
	1831	12 Pin SIP-HS
	1898	12 Pin SIP-HS
	1899	12-Pin SIP-HS
	7061	12 Pin SIP-HS
6.0	1220	15 Pin SIP-M
	1343	15 Pin SIP-M
	1377	14 Pin SIP
	1798	10 Pin SIP
	1802	13 Pin SIP
	1816	18 Pin SIP-M
	7070	12 Pin SIP-HS
6.5	1396	11 Pin SIP-HS
	7053	11 Pin SIP-HS
	7106	11 Pin SIP-HS
7.0	1218	15 Pin SIP-M
8.5	1675	20 Pin DIP
10.0	7105	11 Pin SIP-HS
12.0	1850	9 Pin SIP
	1851	13 Pin SIP

Linear IC Selector Guide (cont'd)

Audio Dual Power (cont'd)

Output Watts/CH	ECG No.	Package
13.0	7068	12 Pin SIP-HS
14.0	7113	16 Pin SIP-HS
15.0	1219	15 Pin SIP-M
	1252	16 Pin SIP-M
	1273	20 Pin DIP
	1330	16 Pin SIP-M
	1874	18 Pin SIP-M
	7088	17 Pin SIP
18.0	1879	15 Pin SIP-M
20.0	1329	15 Pin SIP-M
	1347	16 Pin SIP-M
	1817	18 Pin SIP-M
22.0	1359	15 Pin SIP-M
	7041	17 Pin SIP
25.0	1331	16 Pin SIP-M
	1356	16 Pin SIP-M
	1818	18 Pin SIP-M
28.0	1877	18 Pin SIP-M
30.0	1345	16 Pin SIP-M
	1819	18 Pin SIP-M
	1820	16 Pin SIP-M
	1875	16 Pin SIP-M
35.0	1315	16 Pin SIP
50.0	1316	18 Pin SIP
	1317	18 Pin SIP-M
	1871	18 Pin SIP-M
100.0	7029	22 Pin SIP

Audio Quad Power

Output Watts/CH	ECG No.	Package
11	7114	17 Pin SIP-HS

Audio Power with Preamps

Output Watts	ECG No.	Package
1.0	1043	14 Pin DIP
	1093	14 Pin DIP-ET
	1095	14 Pin DIP-ET
	1097	14 Pin DIP-ET
4.4	1058	9 Pin SIP

Audio Preamps

ECG735	4 Pin DIP
ECG755	4 Pin DIP-Q
ECG772A	8 Pin DIP-Q
ECG839	8 Pin DIP
ECG1015	8 Pin ZIL
ECG1016	9 Pin ZIL
ECG1019	9 Pin ZIL
ECG1021	9 Pin ZIL
ECG1052	7 Pin SIP
ECG1053	10 Pin TO-5
ECG1059	14 Pin TO-3
ECG1082	7 Pin SIP
ECG1083	16 Pin (Dual-8)
ECG1085	7 Pin SIP
ECG1087	7 Pin SIP
ECG1102	5 Pin SIP
ECG1103	7 Pin SIP
ECG1119	7 Pin SIP
ECG1120	7 Pin SIP
ECG1135	7 Pin SIP
ECG1152	13 Pin ZIL
ECG1179	8 Pin DIP
ECG1184	16 Pin DIP
ECG1195	7 Pin SIP
ECG1205	16 Pin DIP
ECG1210	9 Pin SIP
ECG1223	7 Pin SIP
ECG1302	7 Pin SIP
ECG1431	7 Pin SIP
ECG1433	7 Pin SIP
ECG1449	8 Pin SIP
ECG1457	8 Pin SIP
ECG1459	8 Pin SIP
ECG1464	7 Pin SIP
ECG1466	9 Pin SIP
ECG1468	7 Pin SIP
ECG1497	7 Pin SIP
ECG1660	8 Pin SIP
ECG1666	8 Pin SIP

Audio Dual Preamps

ECG721	14 Pin DIP
ECG725	14 Pin DIP
ECG824	8 Pin DIP
ECG942	14 Pin DIP
ECG947D	14 Pin DIP
ECG983	14 Pin DIP
ECG1170	8 Pin SIP
ECG1215	16 Pin DIP
ECG1221	14 Pin DIP
ECG1339	15 Pin SIP-M
ECG1435	9 Pin SIP
ECG1451	14 Pin DIP
ECG1453	14 Pin DIP
ECG1455	14 Pin DIP
ECG1456	14 Pin SIP
ECG1477	14 Pin DIP-ET
ECG1480	14 Pin DIP
ECG1481	14 Pin DIP-ET
ECG1517	10 Pin SIP
ECG1523	10 Pin SIP
ECG1571	14 Pin DIP
ECG1577	16 Pin DIP
ECG1634	14 Pin DIP
ECG1651	16 Pin DIP
ECG1659	8 Pin SIP
ECG1730	9 Pin SIP
ECG1865	18 Pin DIP
ECG1878	15 Pin SIP-M
ECG7103	14 Pin SIP-HS

Audio Quad Preamps

ECG727	16 Pin DIP
ECG834	14 Pin DIP
ECG948	14 Pin DIP
ECG987	14 Pin DIP
ECG992	14 Pin DIP

Audio/Spkr/Protect/Voltage/Temp/Overload

ECG1635	8 Pin SIP
ECG7100	8 Pin SIP

General Purpose

Differential

ECG724	8 Pin Can
ECG773	8 Pin DIP-Q
ECG906	12 Pin Can
ECG917	14 Pin DIP

General Purpose

ECG1101	7 Pin SIP

Hi-Frequency

ECG1104	5 Pin SIP

Noise Reduction

ECG1311	18 Pin DIP-ET
ECG1744	22 Pin DIP
ECG1794	8 Pin SIP
ECG1795	8 Pin SIP
ECG1833	18 Pin DIP
ECG1859	16 Pin SIP

Squelch

ECG1235	7 Pin SIP

Wide Band

ECG838	8 Pin DIP

Operational (Op Amp)

Single DC Power Supply

Differential, Cascade

ECG773	8 Pin DIP-Q

Dual/Hi Speed/Programmable/Current Mode

ECG869	14 Pin DIP

Quad Current Mirror/Int. Comp.

ECG992	14 Pin DIP

Single or Split DC Power Supply

Bi-MOS

ECG930	8 Pin Can

Dual Hi Gain/Internally Comp.

ECG928	8 Pin Can
ECG928M	8 Pin DIP
ECG928S	9 Pin SIP
ECG928SM	8 Pin SOIC

Hi Frequency

ECG724	8 Pin Can

Low Power Drain

ECG877	8 Pin Can

Quad General Purpose/Freq Comp.

ECG987	14 Pin DIP
ECG987SM	14 Pin SOIC

Wide Band/Large Signal/Hi Speed

ECG871	8 Pin Can

Split DC Power Supply

Dual/Internal Compensation

ECG778A	8 Pin DIP
ECG778S	8 Pin SIP
ECG778SM	8 Pin SOIC
ECG891M	8 Pin DIP
ECG891SM	8 Pin SOIC
ECG947	10 Pin Can
ECG947D	14 Pin DIP

FET Input

ECG857M	8 Pin DIP
ECG857SM	8 Pin SOIC
ECG887M	8 Pin DIP
ECG937	8 Pin Can
ECG937M	8 Pin DIP

FET Dual Input

ECG858M	8 Pin DIP
ECG858SM	8 Pin SOIC
ECG889M	8 Pin DIP

FET Quad Input

ECG859	14 Pin DIP
ECG859SM	14 Pin SOIC

General Purpose

ECG847	14 Pin DIP
ECG941	8 Pin Can
ECG941D	14 Pin DIP
ECG941M	8 Pin DIP
ECG941S	7 Pin SIP
ECG941SM	8 Pin SOIC

N

Linear IC Selector Guide (cont'd)

Split DC Power Supply (cont'd)

General Purpose (cont'd)

ECG975	8 Pin DIP
ECG975SM	8 Pin SOIC
ECG976	8 Pin DIP
ECG1171	8 Pin Can

Hi Gain/Lo Noise

ECG909	8 Pin Can
ECG909D	14 Pin DIP

Hi Gain/Lo Noise (Dual)

ECG1529	9 Pin SIP

Hi Gain/Lo Noise (Quad)

ECG948	14 Pin DIP
ECG948SM	14 Pin SOIC
ECG997	14 Pin DIP

Hi Speed/Hi Gain

ECG915	10 Pin Can
ECG918	8 Pin Can
ECG918M	8 Pin DIP
ECG918SM	8 Pin SOIC

Hi Speed/Internal Comp.

ECG927	10 Pin Can
ECG927D	14 Pin DIP
ECG927SM	14 Pin SOIC

Hi Speed/Voltage Follower

ECG924	8 Pin Can
ECG924M	8 Pin DIP

Internal Comp./Low Input Current

ECG945	8 Pin Can

Precision/Instrumentation

ECG903	12 Pin Can
ECG908	14 Pin DIP
ECG925	8 Pin Can
ECG938	8 Pin Can
ECG938M	8 Pin DIP

Programmable

ECG888M	8 Pin DIP
ECG944	8 Pin Can
ECG944M	8 Pin DIP

Transconductance

ECG870	14 Pin DIP
ECG902	8 Pin Can
ECG996	8 Pin DIP

• Arrays

Diode Arrays

ECG905	10 Pin Can
ECG907	12 Pin Can
ECG1680	7 Pin SIP

Transistor Arrays

ECG904	12 Pin Can
ECG912	14 Pin DIP
ECG916	16 Pin DIP
ECG929	16 Pin DIP
ECG1828	9 Pin SIP
ECG1829	9 Pin SIP

• Attenuators

Attenuator (Single)

ECG829	8 Pin DIP
ECG1783	7 Pin SIP

Attenuator (Dual)

ECG1439	14 Pin DIP
ECG1792	9 Pin SIP
ECG1803	18 Pin DIP

Attenuator (Quad)

ECG802	16 Pin DIP

Dual Attenuator/Tone Control

ECG1576	16 Pin DIP
ECG1780	12 Pin SIP
ECG7072	18 Pin DIP

Quadraphonic Decoder Systems

ECG799	14 Pin DIP
ECG803	16 Pin DIP
ECG813	28 Pin DIP

• Bar Display Drivers

AM/FM, Time/Frequency Display Driver

ECG1537	42 Pin DIP

8-Circuit Fluorescent

ECG1715	18 Pin DIP

Linear 5-Step Indicator Driver

ECG1502	9 Pin SIP
ECG1510	8 Pin SIP
ECG1511	14 Pin DIP-ET

Log. 5-Step Indicator Driver

ECG1503	9 Pin SIP
ECG1512	14 Pin DIP-ET
ECG1514	16 Pin DIP
ECG1515	16 Pin DIP

Linear 5-Step Indicator Driver-Open Collector

ECG1505	8 Pin DIP

Log. 5-Step Indicator Driver-Open Collector

ECG1504	8 Pin DIP

Log. 5-Step VU Meter Indicator Driver

ECG1561	9 Pin SIP
ECG1866	9 Pin SIP

Linear 7-Step Indicator Driver

ECG1501	16 Pin DIP-ET

Log. 7-Step Indicator Driver

ECG1500	16 Pin DIP-ET

Linear 10-Step Indicator Driver

ECG1519	16 Pin DIP

Linear 10-Step Indicator Driver-Open Collector

ECG1508	18 Pin DIP

Log. 10-Step Indicator Driver-Open Collector

ECG1509	18 Pin DIP

Log. 10-Step VU Meter Indicator Driver

ECG1549	18 Pin DIP

• Bucket Brigades

Audio Signal Delay

ECG1641	8 Pin DIP
ECG1642	14 Pin DIP

Clock Generator/Driver for BBDs

ECG1639	8 Pin DIP

• CD Player

D to A Converter

ECG2057★	28 Pin DIP

Digital Filter

ECG1853	24 Pin DIP

Op Amp

ECG1854D	16 Pin DIP
ECG1854M	8 Pin DIP

• Electronic Organs

Master Oscillator

ECG1026	9 Pin ZIL

• Frequency Dividers

ECG1197	9 Pin SIP
ECG1198	24 Pin DIP
ECG1199	24 Pin DIP
ECG9200★	4 Pin SIP

• Frequency to Voltage Converter

ECG890	8 Pin DIP
ECG995	14 Pin DIP
ECG995M	8 Pin DIP

• Head Coil and Meter Driver

ECG1241	7 Pin SIP

• Modem

ECG2400★	40-Pin DIP
ECG2047★	16 Pin DIP
ECG6860★	24 Pin DIP

• Modulator—Demodulator

Balanced Modulator

ECG973D	14 Pin DIP
ECG1249	7 Pin SIP
ECG1442	14 Pin DIP

Color/Video/Modulator

ECG846	18 Pin DIP
ECG855	14 Pin DIP

RF Oscillator/Video Modulator

ECG856	8 Pin DIP

• Motor Drivers/Controls

Bidirectional

ECG1891	12 Pin SIP-HS
ECG1892	12 Pin SIP-HS
ECG7006	15 Pin SIP-HS
ECG7042	9 Pin SIP
ECG7043	9 Pin SIP
ECG7087	10 Pin SIP

Bipolar Step Driver

ECG1749	16 Pin DIP

DC Motor Driver

ECG1748	7 Pin SIP
ECG1824	7 Pin SIP

Dual

ECG7005	16 Pin DIP

Dual Bidirectional

ECG1774	16 Pin DIP-W
ECG1834	10 Pin SIP
ECG7091	10 Pin SIP

Dual Motor Driver

ECG1825	16 Pin SIP

Dual Solenoid/Motor Driver

ECG1750	15 Pin SIP-HS

4-Phase Step Driver

ECG1736	18 Pin SIP-M
ECG1885	18 Pin SIP-M

Motor Speed Regulator

ECG1844	4 Pin SIP
ECG7089	TO-126

Stepping Motor Driver/Control

ECG1848	18 Pin SIP-M
ECG1857	16 Pin DIP
ECG7082	16 Pin DIP

• Operational (Op Amp)

See Amplifiers Operational (Op Amp)

★ Listed in Misc. Section Page 1-266

Linear IC Selector Guide (cont'd)

• Phase Frequency Detectors

ECG974	14 Pin DIP
ECG1172	14 Pin DIP
ECG1208	9 Pin SIP

• Phase Locked Loops

ECG980	16 Pin DIP
ECG989	14 Pin DIP
ECG991	16 Pin DIP
ECG1167	16 Pin DIP
ECG1233	16 Pin DIP
ECG1253	22 Pin DIP
ECG1254	24 Pin DIP
ECG1272	16 Pin DIP
ECG1460	16 Pin DIP
ECG1461	16 Pin ZIL
ECG1475	20 Pin DIP
ECG1482	16 Pin DIP
ECG1484	16 Pin DIP
ECG1526	28 Pin DIP
ECG1534	16 Pin DIP
ECG1536	20 Pin DIP

• Pulse Width Modulators

ECG1720	16 Pin DIP
ECG1721	16 Pin DIP
ECG1722	18 Pin DIP
ECG1723	16 Pin DIP
ECG1729	16 Pin DIP
ECG1753	14 Pin DIP
ECG1765	16 Pin DIP
ECG7002	9 Pin SIP-HS
ECG7096	8 Pin DIP
ECG7097	8 Pin DIP
ECG7098	8 Pin DIP
ECG7099	8 Pin DIP
ECG7109	16 Pin DIP

• Power Supply

ECG1737	18 Pin SIP-M

• Radio/AM

IF Amps

ECG1054	14 Pin DIP
ECG1124	16 Pin DIP
ECG1301	7 Pin SIP
ECG1310	14 Pin DIP-ET

IF Amp/AF Preamp

ECG710	14 Pin DIP-Q
ECG787	16 Pin DIP
ECG1013	9 Pin SIP
ECG1072	16 Pin DIP
ECG1108	14 Pin DIP

RF/IF Amp

ECG744	14 Pin DIP
ECG1092	7 Pin SIP

RF/Amp/Mixer/Oscillator, IF Amp

ECG703	6 Pin Plastic
ECG806	14 Pin DIP
ECG1049	16 Pin DIP
ECG1073	16 Pin DIP
ECG1074	14 Pin DIP
ECG1214	16 Pin DIP
ECG1237	14 Pin DIP
ECG1290	16 Pin DIP
ECG1487	14 Pin DIP
ECG1491	14 Pin DIP
ECG1495	15 Lead Formed SIP
ECG1518	19 Lead Formed SIP
ECG1533	16 Pin ZIL

RF Amp/Osc/Mixer/IF/Det for ET

ECG1608	20 Pin DIP

• Radio/FM

Frequency Synthesizer

ECG1526	28 Pin DIP

IF Amp

ECG726	10 Pin Can
ECG736	8 Pin DIP
ECG746	8 Pin DIP
ECG760	6 Pin DIP-Q
ECG805	8 Pin DIP
ECG1002	8 Pin Can
ECG1039	8 Pin DIP
ECG1040	8 Pin SIP
ECG1041	8 Pin DIP
ECG1042	8 Pin DIP
ECG1100	7 Pin SIP
ECG1227	8 Pin DIP
ECG1309	7 Pin SIP
ECG1448	9 Pin SIP
ECG1474	7 Pin SIP

IF Amp/Limiter

ECG750	14 Pin DIP
ECG1400	14 Pin DIP

IF Amp/Detector

ECG708	14 Pin DIP
ECG709	14 Pin DIP
ECG712	14 Pin DIP
ECG800	14 Pin DIP
ECG860	18 Pin DIP
ECG1234	7 Pin SIP
ECG1436	14 Pin DIP
ECG1541	7 Pin SIP
ECG1578	16 Pin DIP

IF Amp/Detector/AF PO

ECG742	16 Pin DIP-W
ECG807	16 Pin DIP-W
ECG826	18 Pin DIP
ECG1257	14 Pin DIP-ET

IF Amp/Detector/Preamp

ECG706	14 Pin DIP
ECG710	14 Pin DIP
ECG723	14 Pin DIP
ECG788	16 Pin DIP
ECG1045	14 Pin DIP
ECG1047	14 Pin DIP
ECG1051	14 Pin DIP
ECG1057	14 Pin DIP
ECG1072	16 Pin DIP
ECG1108	14 Pin DIP
ECG1441	16 Pin DIP
ECG1579	16 Pin DIP

IF Amp/Det/Preamp/Meter Driver/Mute

ECG1559	16 Pin DIP
ECG1604	16 Pin ZIL

IF Amp/Det/Preamp/Meter Driver/Mute/RF AGC

ECG7016	16 Pin DIP

Noise Cancel Circuit

ECG1432	14 Pin DIP
ECG1447	16 Pin DIP
ECG1543	16 Pin DIP

Oscillator/Mixer/IF/Scan Control

ECG853	16 Pin DIP

RF/IF Amp

ECG1092	7 Pin SIP

RF/IF Amp/Osc/Mixer

ECG703	6 Pin Plastic
ECG1843	9 Pin SIP

Stereo Demod

ECG718	14 Pin DIP
ECG719	14 Pin DIP
ECG720	14 Pin DIP
ECG722	14 Pin DIP
ECG743	16 Pin DIP
ECG789	16 Pin DIP-Q
ECG801	14 Pin DIP
ECG1005	14 Pin DIP
ECG1006	14 Pin DIP
ECG1056	14 Pin DIP
ECG1106	16 Pin DIP
ECG1142	14 Pin DIP
ECG1181	16 Pin DIP
ECG1206	14 Pin DIP
ECG1217	16 Pin DIP
ECG1225	16 Pin DIP
ECG1226	14 Pin DIP
ECG1230	16 Pin DIP
ECG1243	14 Pin DIP
ECG1248	16 Pin DIP
ECG1460	16 Pin DIP
ECG1461	15 Pin ZIL
ECG1482	16 Pin DIP
ECG1484	16 Pin DIP
ECG1489	16 Pin DIP
ECG1493	15 Lead Formed SIP
ECG1560	16 Pin DIP
ECG1565	16 Pin DIP
ECG1631	16 Pin ZIL
ECG1657	9 Pin SIP
ECG1864	20 Pin DIP

Tuning Indicator Systems

ECG1149	14 Pin DIP
ECG1488	16 Pin DIP
ECG1525	9 Pin SIP
ECG1527	16+2-Pin DIP-ET

1/20 Divider Prescaler

ECG1499	9 Pin SIP

• Radio/CB

Oscillator/AM IF Amp

ECG1012	5 Pin SIP

PLL Frequency Synthesizer

ECG991	16 Pin DIP
ECG1167	16 Pin DIP
ECG1233	16 Pin DIP
ECG1253	22 Pin DIP
ECG1254	24 Pin DIP
ECG1272	16 Pin DIP
ECG1475	20 Pin DIP
ECG1536	20 Pin DIP

Prescaler

ECG993	16 Pin DIP

Voltage Controlled Oscillator

ECG1192	9 Pin SIP
ECG1201	10 Pin SIP
ECG1202	10 Pin SIP
ECG1203	10 Pin SIP
ECG1204	10 Pin SIP
ECG1262	10 Pin SIP

• Radio/AM/FM

AM/FM IF/Det/AM Osc/Mix/AGC/AF Out

ECG1624	16 Pin DIP

Frequency Synthesizer

ECG1534	16 Pin DIP

IF Amps

ECG1003	14 Pin DIP
ECG1054	14 Pin DIP
ECG1060	16 Pin DIP
ECG1242	16 Pin DIP

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Linear IC Selector Guide (cont'd)

• Radio/AM/FM (cont'd)

IF Amps (cont'd)

ECG1301	7 Pin SIP
ECG1563	16 Pin DIP
ECG1889	18 Pin DIP

IF Amp/AF Preamp

ECG1124	16 Pin DIP

IF Amp/Mixer/Osc/Det/Signal Meter Driver

ECG1654	16 Pin DIP
ECG1842	16 Pin DIP

IF/Detector/Preamp/Meter Driver

ECG1486	16+2 Pin DIP-ET
ECG1490	16 Pin DIP
ECG1525	9 Pin SIP
ECG1557	16 Pin DIP

Oscillator/Mixer/IF Amp

ECG1054	14 Pin DIP
ECG1055	14 Pin DIP
ECG1060	16 Pin DIP
ECG1073	16 Pin DIP
ECG1074	14 Pin DIP
ECG1242	16 Pin DIP

• RF Hybrid Amplifiers

RF/IF/VHF Amp

ECG1768	3 Pin Can
ECG1769	3 Pin Can
ECG1770	3 Pin Can

• Tachometer and Air Core Meter Driver

ECG1670	14 Pin DIP

• Tape Decks

Audio Program Selector

ECG1438	16 Pin ZIL
ECG1562	16 Pin DIP

Dual Channel Meter Driver

ECG1498	9 Pin SIP

Signal Sense/Solenoid Driver

ECG1478	10 Pin SIP-HS

10-Step Indicator Driver

ECG1519	16 Pin DIP

• Television

AFT

ECG711	10 Pin Can
ECG780	10 Pin Can
ECG1004	14 Pin DIP
ECG1046	14 Pin DIP
ECG1061	14 Pin DIP
ECG1096	14 Pin DIP-ET
ECG1174	14 Pin DIP-Q
ECG1250	16 Pin DIP

Audio Limiter/Amp/Demod/Bass/Treble

ECG1652	16 Pin DIP

Audio/Video Switch

ECG7012	16 Pin DIP

Chroma Amplifiers

ECG738	14 Pin DIP
ECG1094	14 Pin DIP

Chroma Amp/VCO/Burst/Buffer Amp

ECG1597	16+2 Pin DIP-ET

Chroma Demodulators

ECG705A	9 Pin Can
ECG707	10 Pin Can
ECG713	14 Pin DIP
ECG790	14 Pin DIP
ECG798	14 Pin DIP
ECG821	14 Pin DIP
ECG1048	14 Pin DIP-ET
ECG1050	14 Pin DIP-ET
ECG1062	14 Pin DIP
ECG1068	16 Pin DIP
ECG1099	14 Pin DIP
ECG1122	14 Pin DIP
ECG1159	16 Pin DIP

Chroma Demodulator/Driver

ECG729	16 Pin DIP-Q
ECG1071	16 Pin DIP
ECG1130	16 Pin DIP

Chroma Demodulator/Matrix-RGB

ECG739	14 Pin DIP
ECG1163	16 Pin DIP
ECG1305	24 Pin DIP-ET
ECG1890	24 Pin DIP
ECG7112	18 Pin DIP

Chroma Processor

ECG715	14 Pin DIP
ECG728	16 Pin DIP
ECG797	16 Pin DIP
ECG809	16 Pin DIP
ECG1067	16 Pin DIP
ECG1089	20 Pin DIP
ECG1182	16 Pin DIP
ECG1200	16 Pin DIP
ECG1304	24 Pin DIP-ET

Chroma Processor/Demodulator

ECG702	16 Pin DIP
ECG791	16 Pin DIP
ECG844	28 Pin DIP
ECG986	24 Pin DIP
ECG1189	28 Pin DIP
ECG1196	24 Pin DIP
ECG1216	16 Pin DIP
ECG1296	16+2 Pin DIP-ET
ECG1297	22 Pin DIP
ECG1305	24 Pin DIP-ET
ECG1307	24 Pin DIP-ET
ECG1747	28 Pin DIP
ECG7048	20 Pin DIP

Chroma Processor/Subcarrier Gen

ECG1069	16 Pin DIP
ECG1121	16 Pin DIP

Chroma Subcarrier Gen

ECG700	16 Pin DIP
ECG714	16 Pin DIP
ECG982	16 Pin DIP
ECG1123	16 Pin DIP

Chroma/Vid Amp

ECG822	16 Pin DIP
ECG845	24 Pin DIP

Chroma/Vid Amp/Demodulator

ECG1473	28 Pin DIP
ECG1532	28 Pin DIP
ECG1589	28 Pin DIP
ECG1673	28 Pin DIP
ECG1726	24 Pin DIP
ECG7009	30 Pin DIP

Chroma/Vid Amp/Demodulator-RGB

ECG1410	28 Pin DIP
ECG1416	28 Pin DIP

Color Compensation

ECG1415	14 Pin DIP

Computer I/F Digital

ECG7108	18 Pin DIP

Horiz Oscillator

ECG820	16 Pin DIP
ECG1018	13 Pin ZIL
ECG1313	14 Pin DIP-ET

Horiz Osc/Driver/Sync/X-Ray Protect

ECG1629	9 Pin SIP

Horiz Processor

ECG815	8 Pin DIP
ECG836	8 Pin DIP
ECG1086	16 Pin DIP
ECG1784	16 Pin DIP
ECG7001	16 Pin DIP
ECG7045	12 Pin SIP
ECG7115	18 Pin DIP

Horiz/Vert Countdown

ECG849	14 Pin DIP
ECG852	14 Pin DIP

Horiz/Vert Countdown Driver

ECG874	28 Pin DIP

Horiz/Vert Deflector

ECG1887	15 Pin SIP
ECG1888	16 Pin DIP

Horiz/Vert Proc/Vert Out

ECG1661	16 Pin DIP-ET

Horiz/Vert/Osc/Driver/Countdown

ECG868	24 Pin DIP
ECG1683	18 Pin DIP
ECG1739	16 Pin DIP

Horiz/Vert/Osc/Sync/AFC

ECG1403	16 Pin DIP
ECG1540	16 Pin DIP
ECG1647	16 Pin DIP

Horiz/Vert/Osc/Sync/Driver

ECG1632	18 Pin DIP

Horiz/Vert/Osc/Sync/X-Ray Prot.

ECG1295	18 Pin DIP
ECG1299	24 Pin DIP
ECG1417	24 Pin DIP
ECG1471	16+2 Pin DIP-ET
ECG1496	16 Pin DIP
ECG1535	24 Pin DIP
ECG1538	16 Pin DIP
ECG1539	18 Pin DIP
ECG1544	16 Pin DIP
ECG1550	16+2 Pin DIP-ET
ECG1664	22 Pin DIP
ECG1727	18 Pin DIP
ECG1772	22 Pin DIP
ECG7062	20 Pin DIP
ECG7063	22 Pin DIP

Interface for Character/Pattern

ECG1835	22 Pin DIP

Luminance/Chroma Proc/Demod

ECG873	28 Pin DIP

Luminance Processor

ECG818	16 Pin DIP
ECG1177	14 Pin DIP

PIF/SIF/Vid/Chroma/Def/Aud/HV Protect

ECG1790	64 Pin DIP
ECG1846	52 Pin DIP
ECG1863	42 Pin DIP
ECG7003	52 Pin DIP
ECG7010	54 Pin DIP
ECG7054	52 Pin DIP
ECG7058	64 Pin DIP
ECG7060	52 Pin DIP
ECG7111	52 Pin DIP

Linear IC Selector Guide (cont'd)

• Television (cont'd)

RGB Encoder
- ECG879 — 20 Pin DIP

RGB Vid Amp
- ECG7081 — 28 Pin DIP

SAP
- ECG1860 — 42 Pin DIP

Sound IF
- ECG746 — 8 Pin DIP
- ECG1002 — 8 Pin Can
- ECG1575 — 14 Pin DIP

Sound IF/AF PO
- ECG742 — 16 Pin DIP-W
- ECG807 — 16 Pin DIP-W
- ECG826 — 18 Pin DIP
- ECG1231 — 12 Pin DIP-QW
- ECG1231A — 16 Pin DIP
- ECG1246 — 14 Pin DIP-ET
- ECG1257 — 14 Pin DIP-ET
- ECG1404 — 16 Pin DIP-ET

Sound IF/AF Preamp
- ECG704 — 10 Pin Can
- ECG706 — 14 Pin DIP
- ECG710 — 14 Pin DIP-Q
- ECG712 — 14 Pin DIP
- ECG723 — 14 Pin DIP
- ECG748A — 14 Pin DIP
- ECG1047 — 14 Pin DIP
- ECG1051 — 14 Pin DIP
- ECG1133 — 16 Pin DIP
- ECG1162 — 14 Pin DIP
- ECG1236 — 14 Pin DIP
- ECG1308 — 14 Pin DIP

Sound IF/Detector
- ECG708 — 14 Pin DIP
- ECG1045 — 14 Pin DIP
- ECG1188 — 10 Pin Can
- ECG1234 — 7 Pin SIP
- ECG1418 — 14 Pin DIP
- ECG1454 — 14 Pin DIP
- ECG1521 — 9 Pin SIP
- ECG1616 — 14 Pin DIP
- ECG1668 — 8 Pin SIP

Sound IF/Det/Limiter/AF Out
- ECG1752 — 18 Pin DIP

Sound IF/FM Det/Limiter/AF Driver
- ECG1573 — 16 Pin DIP

Sound IF/FM Det/Limiter/Tone/Vol/Preamp
- ECG1633 — 20 Pin DIP

Sound Out/Vol Ctrl/Mute
- ECG1789 — 9 Pin SIP-HS

Stereo Decoder
- ECG1655 — 16 Pin DIP
- ECG1800 — 30 Pin DIP
- ECG1801 — 28 Pin DIP
- ECG7014 — 36 Pin DIP
- ECG7050 — 16 Pin DIP
- ECG7116 — 20 Pin DIP

Sync Deflection
- ECG7084 — 18 Pin DIP
- ECG7086 — 20 Pin DIP

Vert Countdown
- ECG793 — 14 Pin DIP

Vert Deflection
- ECG1567 — 9 Lead Formed SIP
- ECG1674 — 9 Pin SIP-HS
- ECG1676 — 7 Pin SIP
- ECG1684 — 7 Pin SIP-HS
- ECG1767 — 8 Pin SIP-HS
- ECG1773 — 7 Pin SIP-HS
- ECG1782 — 7 Pin SIP-HS
- ECG1788 — 7 Pin SIP
- ECG1797 — 10 Pin SIP
- ECG1804 — 13 Pin SIP
- ECG1855 — 13 Pin SIP-HS
- ECG1858 — 11 Pin SIP-HS
- ECG1862 — 11 Pin SIP-HS
- ECG7017 — 7 Pin SIP
- ECG7039 — 13 Pin SIP-HS
- ECG7056 — 9 Pin SIP-HS
- ECG7083 — 13 Pin SIP
- ECG7085 — 13 Pin SIP-HS
- ECG7104 — 13 Pin SIP-HS

Vert Driver/Output
- ECG1485 — 11 Pin SIP

Vert Oscillator
- ECG1312 — 14 Pin DIP

Vert Oscillator/Driver
- ECG1077 — 14 Pin DIP
- ECG1079 — 14 Pin DIP

Vert Oscillator/Output
- ECG1245 — 10 Pin SIP-HS
- ECG1289 — 12 Pin DIP-QW

Vert Osc/Dr/Pincushion Correction
- ECG1229 — 14 Pin DIP

Vert Output
- ECG1420 — 10 Pin SIP-HS
- ECG1429 — 5 Pin TO-220

Video Amp/AGC/Chroma Takeoff
- ECG1091 — 16 Pin DIP

Video Amp/Blanker
- ECG808 — 16 Pin DIP

Video Amp/Blanker/Black Control
- ECG1569 — 7 Pin SIP

Video Amp/Brightness Limiter
- ECG1084 — 16 Pin DIP
- ECG1164 — 16 Pin DIP

Video/Chroma Amp/Demod/Color/Osc/Auto Tint
- ECG1650 — 28 Pin DIP

Video/Chroma/Demod/Horiz/Vert/Osc Driver/HV Protect
- ECG1547 — 42 Pin DIP
- ECG1671 — 42 Pin DIP
- ECG1771 — 30 Pin DIP
- ECG1838 — 30 Pin DIP
- ECG1845 — 30 Pin DIP
- ECG1856 — 30 Pin DIP
- ECG7008 — 30 Pin DIP
- ECG7065 — 36 Pin DIP

Video/Chroma/Horiz-Vert Drvr/Sync Sep/HV Protect
- ECG1793 — 42 Pin DIP

Video Switch
- ECG1826 — 9 Pin SIP

Video/Sync/AGC
- ECG731 — 16 Pin DIP
- ECG779A — 14 Pin DIP
- ECG1064 — 16 Pin DIP
- ECG1065 — 16 Pin DIP
- ECG1066 — 16 Pin DIP
- ECG1070 — 16 Pin DIP
- ECG1168 — 16 Pin DIP

Video/Sync Amp
- ECG1298 — 16 Pin DIP
- ECG1401 — 16 Pin DIP

Video Sync Amp/AGC/Horiz/Osc/Phase Det
- ECG701 — 16 Pin DIP

VIF Amp
- ECG1128 — 7 Pin SIP
- ECG1405 — 22 Pin DIP
- ECG1542 — 16 Pin DIP

VIF Amp/AGC
- ECG749 — 14 Pin DIP
- ECG1186 — 14 Pin DIP
- ECG1618 — 9 Pin SIP
- ECG1620 — 9 Pin SIP
- ECG7067 — 9 Pin SIP

VIF Amp/AGC/AFC
- ECG1785 — 16 Pin DIP

VIF Amp/Detector
- ECG747 — 8 Pin DIP
- ECG1109 — 14 Pin DIP
- ECG1187 — 8 Pin DIP

VIF/Detector/AFT/SIF
- ECG730 — 16+2 Pin DIP-Q
- ECG841 — 16 Pin DIP

VIF/Detector/AGC/AFT
- ECG1469 — 24 Pin DIP

VIF/Det/AGC/AFT/Video Amp
- ECG1725 — 16 Pin DIP
- ECG1775 — 16 Pin DIP
- ECG1779 — 22 Pin DIP
- ECG7057 — 12 Pin SIP

VIF/Detector/Video Amp
- ECG1551 — 16 Pin DIP-ET

VIF/Detector/Video Amp/AGC
- ECG875 — 28 Pin DIP
- ECG878 — 28 Pin DIP
- ECG984 — 16 Pin DIP
- ECG1306 — 24 Pin DIP-ET
- ECG1413 — 16 Pin DIP
- ECG1522 — 14 Pin DIP-ET
- ECG1545 — 16 Pin DIP
- ECG1607 — 9 Pin SIP
- ECG1610 — 9 Pin SIP
- ECG1669 — 22 Pin DIP

VIF/Mute/AGC/AFT
- ECG1827 — 20 Pin DIP

VIF/SIF
- ECG1161 — 28 Pin DIP

VIF/SIF/AGC/AFT
- ECG1076 — 14 Pin DIP
- ECG1411 — 28 Pin DIP
- ECG1847 — 30 Pin DIP
- ECG1861 — 28 Pin DIP
- ECG7015 — 30 Pin DIP

VIF/SIF Amp/Det/AGC/AFT/Elec Att/AF Driver
- ECG1570 — 24 Pin DIP
- ECG1653 — 30 Pin DIP
- ECG1656 — 30 Pin DIP
- ECG1728 — 30 Pin DIP
- ECG7018 — 28 Pin DIP
- ECG7047 — 28 Pin DIP

VIF/SIF/Detector/Video Amp/AFT
- ECG843 — 16 Pin DIP

VIF/Sync/AGC
- ECG842 — 16 Pin DIP
- ECG1492 — 16 Pin DIP

VIR Signal Processor
- ECG1437 — 24 Pin DIP
- ECG1556 — 16 Pin DIP
- ECG1593 — 16 Pin DIP

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Linear IC Selector Guide (cont'd)

• TV Tuners

Band Select

ECG865	16 Pin DIP
ECG867	18 Pin DIP
ECG1658	9 Pin SIP
ECG1708	9 Pin SIP

Bandswitch

ECG1615	9 Pin SIP
ECG1688	9 Pin SIP

Channel Decoder

ECG840	16 Pin DIP

Computer I/F Digital

ECG1786	24 Pin DIP
ECG7007	30 Pin DIP
ECG7019	16 Pin DIP

Electronic Channel Selector

ECG1402	24 Pin DIP
ECG1409	24 Pin DIP
ECG1409C	24 Pin DIP
ECG1520	24 Pin DIP
ECG1564	16 Pin DIP
ECG1662	16 Pin DIP
ECG7004	20 Pin DIP

Frequency Synthesizer

ECG1677	16 Pin DIP
ECG1836	20 Pin DIP
ECG1837	16 Pin DIP
ECG1849	16 Pin DIP

PLL Divider

ECG7069	8 Pin SIP

TV Remote Control Preamp

ECG1682	9 Pin SIP
ECG1763	14 Pin DIP
ECG1764	14 Pin DIP
ECG7013	8 Pin DIP

TV Remote Control Receiver

ECG840	16 Pin DIP
ECG1738	28 Pin DIP
ECG1757	18 Pin DIP
ECG1759	16 Pin DIP
ECG1761	16 Pin DIP
ECG1762	16 Pin DIP

TV Remote Control Receiver Amp

ECG1714M	8 Pin DIP
ECG1714S	8 Pin SIP
ECG1791	8 Pin SIP

TV Remote Control Transmitter

ECG1574	16 Pin DIP
ECG1758	16 Pin DIP
ECG1760	16 Pin DIP

UHF/VHF Prescaler ÷256/÷64

ECG851	14 Pin DIP

Voltage Regulator for Electronic Tuner

ECG615A	DO-92
ECG1531	14 Pin DIP-ET

Television Voltage Regulators

ECG1546	TO-3 3 Pin
ECG1644	TO-3 3 Pin
ECG1645	TO-3 3 Pin
ECG1678	14 Pin DIP
ECG1740	4 Pin SIP
ECG1741	4 Pin SIP
ECG1742	4 Pin SIP
ECG1743	4 Pin SIP
ECG1776	5 Pin SIP
ECG1777	5 Pin SIP
ECG1778	5 Pin SIP
ECG1839	5 Pin SIP
ECG1867	5 Pin SIP
ECG1868	5 Pin SIP
ECG1886	5 Pin SIP
ECG1896	5 Pin SIP
ECG1897	5 Pin SIP
ECG7077	5 Pin SIP

• Telephone

Pulse Dialer

ECG1691	18 Pin DIP
ECG1693	16 Pin DIP
ECG1731	16 Pin DIP

Ringers

ECG1648	8 Pin DIP

Tone Dialer

ECG1690	16 Pin DIP

• Timing Circuits

Single

ECG833	8 Pin DIP
ECG893	16 Pin DIP
ECG955M	8 Pin DIP
ECG955MC	8 Pin DIP
ECG955S	8 Pin SIP
ECG955SM	8 Pin SOIC

Dual

ECG978	14 Pin DIP
ECG978C	14 Pin DIP
ECG978SM	14 Pin SOIC

Quad

ECG926	16 Pin DIP

• VCRs

Automatic Phase/Freq Det/Color Osc and Mixer

ECG1592	24 Pin DIP-ET

Capstan Drive

ECG1809	24 Pin DIP

Capstan Phase Control System

ECG1591	28 Pin DIP

Capstan Speed Control

ECG1686	16+2 Pin DIP-ET

Carrier Osc/FM Demod

ECG1623	16 Pin DIP

Chroma Processor

ECG1599	18 Pin DIP-ET

Color Signal Processor

ECG1266	16 Pin DIP
ECG1269	28 Pin DIP
ECG1408	16 Pin DIP
ECG1702	18 Pin DIP
ECG1703	16 Pin DIP
ECG1813	22 Pin DIP
ECG1814	18 Pin DIP

Cylinder Motor Drive Control

ECG1613	24 Pin DIP

D/A Converter

ECG1679	14 Pin DIP

Digital Clock/Timer

ECG1414	40 Pin DIP

Drum/Capstan Servo Control/Sync/Delay/Counter

ECG1590	24 Pin DIP-ET

Drum Servo Control for Speed/Phase

ECG1701	28 Pin DIP

Drum Servo Control/Sync/Delay/Counter

ECG1588	24 Pin DIP-ET

Dual Switching Power Supply

ECG1717	16 Pin ZIL

Electronic Switch

ECG1603	6 Pin DIP
ECG1781	8 Pin SIP
ECG1787	7 Pin SIP
ECG1873	7 Pin SIP
ECG7066	12 Pin SIP
ECG7110	16 Pin DIP

End of Tape Sensor/Hall Sw

ECG1705	3 Pin SIP

FM Demod/AGC/Clipper/Pre-Emph

ECG1583	16+2 Pin DIP-ET

Freq Demod/Noise Cancel/Video Chroma Amp

ECG1596	24 Pin DIP-ET

Freq Divider/Speed Select

ECG1700	18 Pin DIP

Head Amp/Filter/Mixer

ECG1263	16 Pin DIP
ECG1419	14 Pin DIP
ECG1558	18 Pin DIP

Head Amp/Limiter/D.O.C./Switching

ECG1598	24 Pin DIP-ET
ECG1689	18 Pin DIP

Head Amp/Switch

ECG1806	22 Pin DIP

Line Noise Canceling Circuit

ECG1713	18 Pin DIP

Loading Motor Drive/Bidirectional Motor Driver

ECG1628	9 Pin SIP-HS
ECG7064	7 Pin SIP-HS
ECG7071	15 Pin SIP-HS

Modulator

ECG872	14 Pin DIP
ECG1555	16 Pin DIP
ECG1709	9 Pin SIP

Motor Drive/Braking

ECG1716	10 Pin SIP-HS
ECG1766	10 Pin SIP-HS

Playback/Chroma/Burst Amp/Det/Killer

ECG1594	24 Pin DIP-ET

Programmable Timer

ECG2207★	18 Pin DIP

Recording Amp

ECG1711	9 Pin SIP

Record/Playback Circuits

ECG1710	22 Pin DIP
ECG7020	22 Pin DIP

Recording Video Proc/FM Mod/AGC/Sync/Clamp

ECG1621	24 Pin DIP

Reference Frequency Divider

ECG1421	9 Pin SIP
ECG1427	7 Pin SIP
ECG1568	16 Pin DIP
ECG1581	8 Pin DIP
ECG9200★	4 Pin SIP
ECG9401★	14 Pin DIP

★ Listed in Misc. Section Page 1-266

Linear IC Selector Guide (cont'd)

• VCRs (cont'd)

Servo Amp/Drive

ECG1636	22 Pin DIP

Servo Controls

ECG1268	28 Pin DIP
ECG1270	24 Pin DIP
ECG1300	8 Pin SIP
ECG1425	16 Pin DIP
ECG1428	28 Pin DIP
ECG1446	16 Pin DIP
ECG1554	12 Pin DIP-W

Servo Interface

ECG1811	18 PIN DIP
ECG1812	20 Pin DIP

Sync/AFC/Rotary Circuit

ECG1314	18 Pin DIP

Sync Separator/Divider/Trapezoid Gen

ECG1584	18 Pin DIP-ET

Tape Sensing/Mute/End of Tape/ Pause/Loading/Rotation

ECG1586	24 Pin DIP-ET

Three Output Voltage Regulator

ECG1271	8 Pin SIP-HS

Three Phase Capstan Motor Drive /PG/FG/Motor Lock

ECG1630	24 Pin DIP

Three Phase Motor Driver

ECG1893	23 Pin SIP-HS

Three Phase Motor Speed Control Forward/Reverse

ECG1600	16+2 Pin DIP-ET

Timing Circuits/Tuner Band Switches

ECG1609	7 Pin SIP
ECG1625	9 Pin SIP

Video Amp/Color Mixer

ECG1265	18 Pin DIP
ECG1267	16 Pin DIP

Video and FM Sound Mod/Carrier Osc

ECG1611	16 Pin DIP

Video/Color Amp/FM Demod

ECG1622	28 Pin DIP-HS

Video Processor for Recording

ECG1712	22 Pin DIP
ECG1805	28 Pin DIP

Video Signal Processor

ECG1264	16 Pin DIP
ECG1412	24 Pin DIP
ECG1422	28 Pin DIP-HS
ECG1808	28 Pin DIP
ECG1810	28 Pin DIP

Video Switch

ECG1826	9 Pin SIP

Video Sw/Sync Sep/AGC/ FM Mod

ECG1601	24 Pin DIP-ET

Video/Sync Amp/AGC/FM Mod/ Limiter

ECG1585	16+2 Pin DIP-ET

VIF/Det/AGC/AFT/Mute

ECG1827	20 Pin DIP

Voltage Regulators

ECG1318	10 Pin SIP-M
ECG1733	15 Pin SIP-M
ECG1734	15 Pin SIP-M
ECG1735	15 Pin SIP-M
ECG1821	15 Pin SIP-M
ECG1822	10 Pin SIP-M
ECG1823	12 Pin SIP-M
ECG1872	15 Pin SIP-M
ECG1876	15 Pin SIP-M
ECG1880	8 Pin SIP-M
ECG1883	8 Pin SIP-M
ECG7022	12 Pin SIP-M
ECG7023	12 Pin SIP-M
ECG7024	8 Pin SIP-M
ECG7026	8 Pin SIP-M
ECG7027	15 Pin SIP
ECG7028	12 Pin SIP-M
ECG7034	12 Pin SIP-M
ECG7035	8 Pin SIP-M
ECG7037	8 Pin SIP-M
ECG7038	15 Pin SIP-M
ECG7074	10 Pin SIP-M

• Voltage Comparators

Split DC Power Supply

Hi Speed

ECG910	8 Pin Can
ECG910D	14 Pin DIP

Dual Hi Speed

ECG911	10 Pin Can

Single or Split DC Pwr Supply

Hi Performance

ECG922	8 Pin Can
ECG922M	8 Pin DIP
ECG922SM	8 Pin SOIC

Dual Hi Speed

ECG919	10 Pin Can
ECG919D	14 Pin DIP
ECG1718	9 Pin SIP

Dual Lo Offset

ECG943	8 Pin Can
ECG943M	8 Pin DIP
ECG943SM	8 Pin SOIC

Quad Lo Offset

ECG834	14 Pin DIP
ECG834SM	14 Pin SOIC

• Voltage Controlled Oscillators

ECG994	8 Pin Can
ECG994M	8 Pin DIP
ECG1201	10 Pin SIP
ECG1202	10 Pin SIP
ECG1203	10 Pin SIP
ECG1204	10 Pin SIP
ECG1247	10 Pin SIP
ECG1262	10 Pin SIP

• Voltage Reference

ECG952	TO-92
ECG998	TO-92
ECG1869	TO-92M
ECG1869SM	SOT-89
ECG7080	TO-92

• Voltage Regulators*

Adj Shunt Regulators

ECG999	TO-92
ECG999M	8 Pin DIP
ECG999SM	8 Pin SOIC

Hybrid

ECG1796	5 Pin SIP
ECG1840	5 Pin SIP
ECG1841	5 Pin SIP
ECG1894	5 Pin SIP
ECG1895	5 Pin SIP
ECG7046	9 Pin SIP-HS
ECG7078	5 Pin SIP
ECG7079	5 Pin SIP
ECG7092	5 Pin SIP
ECG7093	5 Pin SIP
ECG7094	5 Pin SIP
ECG7095	5 Pin SIP

Positive Fixed VR

ECG977	TO-92
ECG981	TO-92
ECG988	TO-92
ECG1902	TO-92
ECG950	TO-92
ECG951	TO-92
ECG1906	TO-92
ECG1908	TO-92
ECG309K	TO-3
ECG960	TO-220
ECG962	TO-220
ECG964	TO-220
ECG966	TO-220
ECG968	TO-220
ECG958	TO-220
ECG972	TO-220
ECG1910	TO-220
ECG1932	TO-220
ECG1914	TO-3
ECG1916	TO-3
ECG1920	TO-3
ECG1924	TO-3
ECG1934	TO-3PJ
ECG1934X	TO-3PJ
ECG1936	TO-3PJ
ECG1938	TO-3PJ
ECG1940	TO-3PJ
ECG931	TO-3
ECG1912	TO-3
ECG1918	TO-3
ECG932	TO-3
ECG933	TO-3
ECG934	TO-3
ECG1960	TO-220M
ECG1962	TO-220M
ECG1964	TO-220M
ECG1966	TO-220M
ECG1968	TO-220M
ECG1970	TO-220M
ECG1972	TO-220M
ECG1974	TO-220M
ECG1976	TO-220M

Negative Fixed VR

ECG1917	TO-92
ECG1903	TO-92
ECG1905	TO-92
ECG1907	TO-92
ECG1909	TO-92
ECG961	TO-220
ECG963	TO-220
ECG965	TO-220
ECG967	TO-220
ECG969	TO-220
ECG959	TO-220
ECG971	TO-220
ECG1913	TO-3
ECG1915	TO-3
ECG1919	TO-3
ECG1923	TO-3

* Regulator Ratings on Page 1-157

Linear IC Selector Guide (cont'd)

● Voltage Regulators (cont'd)

Negative Fixed VR (cont'd)

ECG1925	TO-3
ECG1961	TO-220M
ECG1963	TO-220M
ECG1965	TO-220M
ECG1967	TO-220M
ECG1971	TO-220M
ECG1973	TO-220M
ECG1975	TO-220M
ECG1977	TO-220M

Adjustable Negative VR

ECG1901	TO-92
ECG1927	TO-3 (4 Pin)
ECG957	TO-220
ECG1911	TO-3

Adjustable Positive VR

ECG758	4 Pin DIP-Q
ECG759	4 Pin DIP-Q
ECG757	4 Pin DIP-Q
ECG1928	8 Pin Can
ECG1930	8 Pin DIP
ECG1900	TO-92
ECG953	TO-202 (4 Pin)
ECG1942	TO-220
ECG956	TO-220
ECG970	TO-3
ECG935	TO-3

Positive or Negative Adjustable VR

ECG923	10 Pin Can
ECG923D	14 Pin DIP

Positive or Negative Dual VR

ECG921	14 Pin DIP
ECG7090	8 Pin SIP

Switching Regulator

ECG1681	15 Pin SIP-HS
ECG1870	15 Pin SIP-M
ECG7021	16 Pin SIP
ECG7025	10 Pin SIP-M
ECG7033	15 Pin SIP
ECG7044	9 Pin SIP
ECG7075	15 Pin SIP-M
ECG7076	16 Pin SIP
ECG7107	7 Pin SIP

Switching SCR Driver

ECG1751	7 Pin SIP

Three Regulated Voltage Outputs

ECG1271	8 Pin SIP-HS

● Wireless Microphones

ECG1014	9 Pin ZIL
ECG1017	5 Pin ZIL

● Zero Voltage Switches

ECG776	8 Pin DIP
ECG914	14 Pin DIP
ECG939	16 Pin DIP

● Misc Circuits

A/D Converters

ECG2049★	40 Pin DIP
ECG2050★	40 Pin DIP
ECG2051★	40 Pin DIP
ECG2052★	28 Pin DIP
ECG2053★	20 Pin DIP
ECG2054★	16 Pin DIP
ECG2055★	24 Pin DIP
ECG2063★	40 Pin DIP
ECG2064★	40 Pin DIP
ECG2065★	40 Pin DIP

Battery Protection Circuit

ECG1136	14 Pin DIP

Digital Clocks

ECG2060★	40 Pin DIP
ECG2062★	28 Pin DIP
ECG2207★	18 Pin DIP

Hall Switches

ECG1705	3 Pin SIP
ECG9402★	4 Pin SIP

LED Flasher/Osc.

ECG876	8 Pin DIP

Precision Wave Form Generator

ECG864	14 Pin DIP
ECG892	16 Pin DIP

Quad Single Pole Analog Open Switch

ECG861	16 Pin DIP

Tone Decoder

ECG832	8 Pin DIP
ECG832SM	8 Pin SOIC

Triple 2-Position Analog Switch

ECG1799	16 Pin DIP

Video Sync Generator

ECG7049	24 Pin DIP

★ Listed in Misc. Section Page 1-266

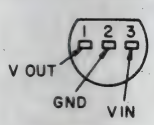
Voltage Regulator Selector Guide

Fixed Regulators

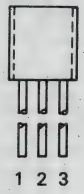
Output Voltage V_{OUT} (DC) ±5%	ECG Type		I_O A (DC)	Input Voltage V_{IN} (DC)		P_D Watts	Case Style
	Pos	Neg		Max	Min		
5	977	1917	0.1	30	7	0.7	TO-92
6.2	988	--	0.1	35	8.2	0.7	
8	981	--	0.1	30	10	1.0	
9	1902	--	0.1	30	11	0.7	
12	950	1903	0.1	35	14	0.7	
15	951	1905	0.1	35	17	0.7	
18	1906	1907	0.1	35	20	0.7	
24	1908	1909	0.1	40	26	0.7	
5	960	961	1.0	35	7	15	TO-220
6	962	963	1.0	35	8	15	
8	964	965	1.0	35	10	15	
9	1910	--	1.0	35	11	15	
10	1932	--	1.0	35	12	20	
12	966	967	1.0	35	14	15	
15	968	969	1.0	35	17	15	
18	958	959	1.0	35	20	15	
24	972	971	1.0	40	26	15	
5	1934	--	2	30	8	50	TO-3PJ
5	1934X*	--	2	30	8	50	
12	1936	--	2	35	15	50	
15	1938	--	2	40	18	50	
24	1940	--	2	40	27	50	
5	309K	1913	1.5	35	7.5	20	TO-3
5	931	--	3	20	7.5	30	
5	932	--	5	25	8.5	50	
12	1914	1915	1.5	35	14.1	15	
12	1912	--	3	35	14.5	30	
12	933	--	5	30	14.6	50	
13.8	934	--	5	35	16.4	50	
15	1916	1919	1.5	40	17.4	20	
15	1918	--	3.0	35	17.5	30	
18	1920	1923	1.5	35	20.5	20/15	
24	1924	1925	1.5	40	26.4	20/15	

TO-92

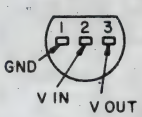
Positive



Bottom View



Negative

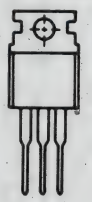


Bottom View

TO-220

Positive

Tab Common to Pin 2
1. Input
2. Ground
3. Output



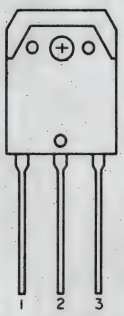
Negative

1. Ground
2. Input
3. Output

Tab Common to Pin 2

TO-3PJ

1. Output
2. (Case) Input
3. Ground



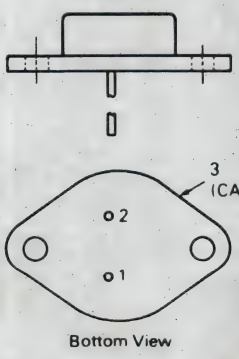
* ECG1934X (Only)

1. Ground
2. (Case) Output
3. Input

TO-3

Positive

1. Input
2. Output
3. Ground



Bottom View

Negative

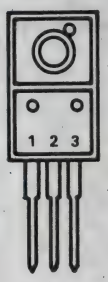
1. Ground
2. Output
3. Input

N

Fixed Regulators (cont'd)

Output Voltage V_{OUT} (DC) ±5%	ECG Type		I_O A (DC)	Input Voltage V_{IN} (DC)		P_D Watts	Case Style
	Pos	Neg		Max	Min		
5	1960	1961	1	35	7	15	TO-220M
6	1962	1963	1	35	8	15	
8	1964	1965	1	35	10	15	
9	1966	1967	1	35	11	15	
10	1968	--	1	35	12	15	
12	1970	1971	1	35	14	15	
15	1972	1973	1	35	17	15	
18	1974	1975	1	35	20	15	
24	1976	1977	1	40	26	15	

Positive
1. Input
2. Ground
3. Output



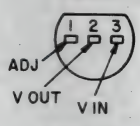
Negative
1. Ground
2. Input
3. Output

Adjustable Regulators

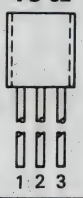
Output Voltage V_{OUT} (DC) ±5%	ECG Type Pos	ECG Type Neg	I_O A (DC)	Input Voltage V_{IN} (DC) Max	Input Voltage V_{IN} (DC) Min	P_D Watts	Case Style
1.2—37	1900	1901	0.1	40	2.45	0.625	TO-92
1.2—37	956	957	1.5	40	3.7	15.0	TO-220
1.2—37	--	1911	1.5	40	2.45	20	TO-3
1.2—33	970	--	3.0	35	3.7	30	TO-3
1.2—32	935	--	5.0	35	2.45	50	TO-3
2.2—30	--	1927	1.0	40	4.7	15	TO-3 4-Pin
5—30	953	--	1.0	40	7.5	15	TO-202 4-Pin
3—36	1942	--	2	40	8.0	Int. Limit	TO-220 5-Pin

TO-92

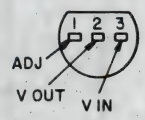
Positive



Bottom View



Negative

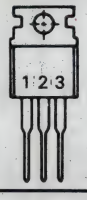


Bottom View

TO-220

Positive

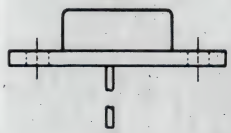
Tab Common to Vout
1. Adj
2. Vout
3. Vin



Negative

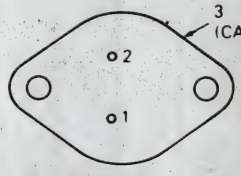
Tab Common to Vin
1. Adj
2. Vin
3. Vout

TO-3



Positive

1. Adj
2. Input
3. Output

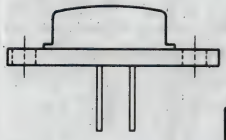


Bottom View

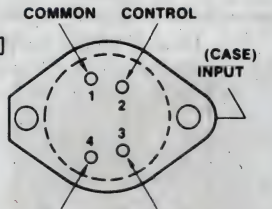
Negative

1. Adj
2. Output
3. Input

TO-3 4-Pin



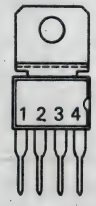
Negative



TO-202 4-Pin

Positive

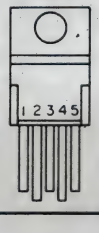
Tab Common to Pin 1
1. Common
2. Input
3. Output
4. Control



TO-220 5-Pin

Positive

1. Input
2. Limiting
3. Ground
4. Ref
5. Output

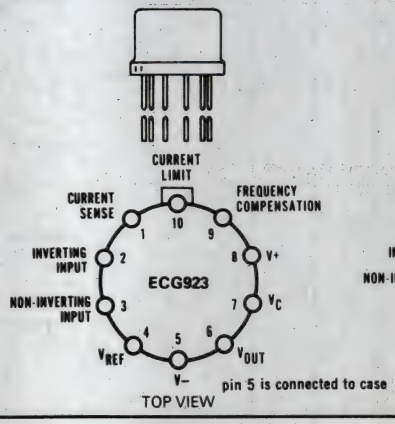


N

Adjustable Regulators — Precision Types

Output Voltage V_{OUT} (DC) ±5%	ECG Type Pos	ECG Type Neg	I_O A (DC)	Input Voltage V_{IN} (DC) Max	Input Voltage V_{IN} (DC) Min	P_D Watts	Case Style
2—37	923	--	0.15	40	9.5	0.8	10-Pin Can / 14-Pin DIP
2—37	923D	--	0.15	40	9.5	0.9	10-Pin Can / 14-Pin DIP
4.5—30	1928	--	0.012	40	8.5	0.8	8-Pin Can / 8-Pin DIP
5—37	1930	--	0.025	40	9.0	0.4	8-Pin Can / 8-Pin DIP
Dual Tracking Voltage Regulator							
±15	ECG921		0.1	±30	±18	1	14-Pin DIP

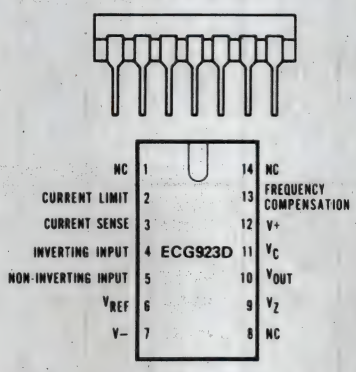
10-Pin Can



TOP VIEW

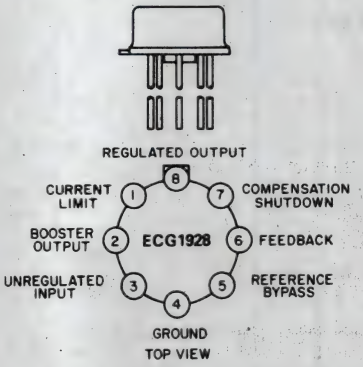
pin 5 is connected to case

14-Pin DIP



TOP VIEW

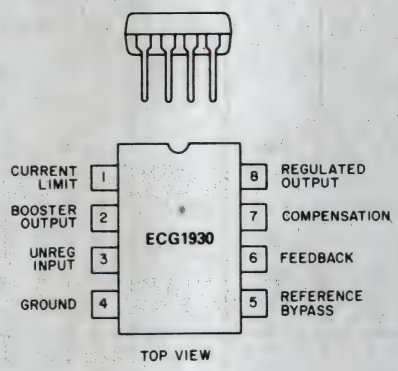
8-Pin Can



TOP VIEW

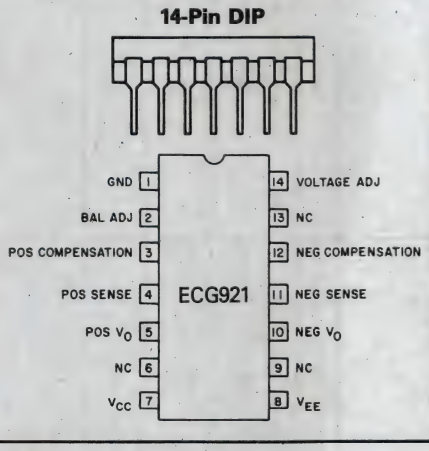
NOTE: PIN 4 CONNECTED TO CASE

8-Pin DIP

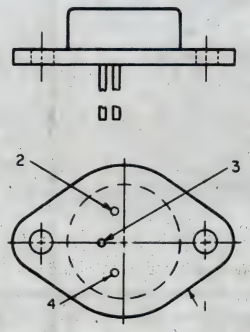
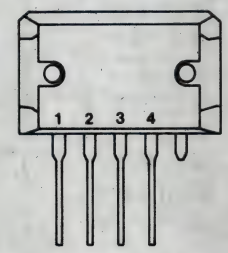
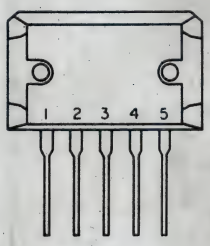
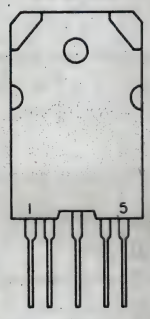


TOP VIEW

14-Pin DIP



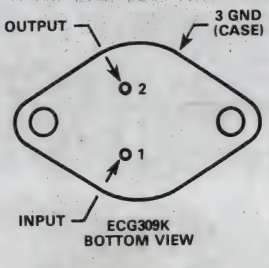
TV Fixed Voltage Regulators

Output Voltage VOUT (DC) ±1 V	ECG Type Pos	ECG Type Neg	Max I_O A (DC)	Input Voltage VIN (DC) Max	Input Voltage VIN (DC) Min	P_D Watts T_C = 100°C	Case Style
130	1546	--	1	200	132	25	TO-3  1. Input/Case 2. Output 3. Common 4. Base
115	1740	--	1	200	117	40	5-Pin SIP  1. Input 2. Base 3. Common 4. Output
125	1741	--	1	200	127	40	
130	1742	--	1	200	132	40	
135	1743	--	1	200	137	40	
12	1867	--	2	45	18	75	5-Pin SIP  1. Output 2. Adjust 3. Common 4. Sense 5. Input
13	1868	--	2	45	19	75	
110	7077	--	1	200	125	27	5-Pin SIP **ECG7077** 1. Common 2. Base 3. DC Input 4. Output 5. Output Control  1. Common 2. Base 3. DC Input 4. Output 5. N/C
115	1896	--	1	200	125	27	
120	1839	--	1	200	122	27	
123	1776	--	1	200	125	27	
125	1897	--	1	200	145	27	
130	1777	--	1	200	132	27	
135	1778	--	1	200	137	27	

N

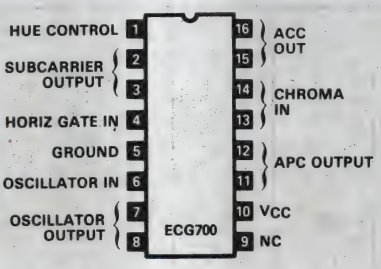
Linear IC and Module Circuits

ECG309K TO-3 See Fig. L11
Regulator, 5 V, 1 Amp

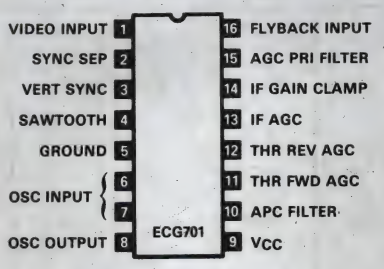


See Voltage Regulator Selector Guide Page 1-155

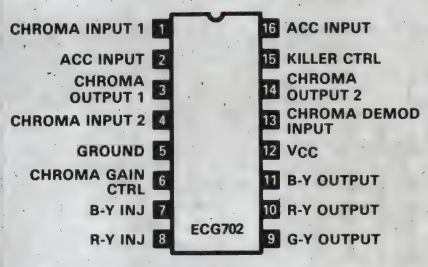
ECG700 16-Pin DIP See Fig. L112
TV Chroma Subcarrier Regeneration



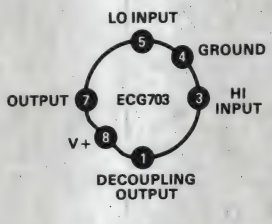
ECG701 16-Pin DIP See Fig. L112
TV Video Signal Processor



ECG702 16-Pin DIP See Fig. L112
TV Chroma Processor

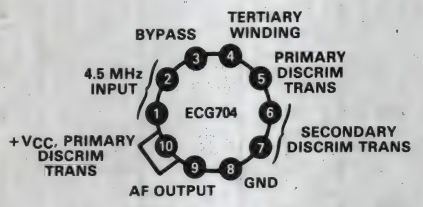


ECG703 6-Pin Plastic See Fig. L1A
RF/IF Amp, Osc, Mixer

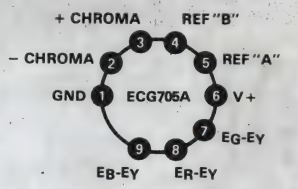


Top View

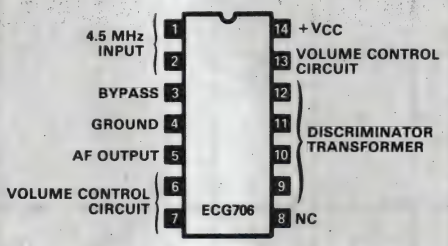
ECG704 10-Pin Can See Fig. L5
TV Sound and IF Amplifier and Detector



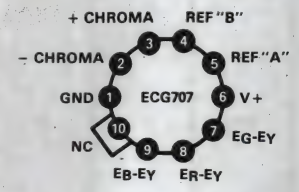
ECG705A 9-Pin Can See Fig. L4
Chroma Demodulator



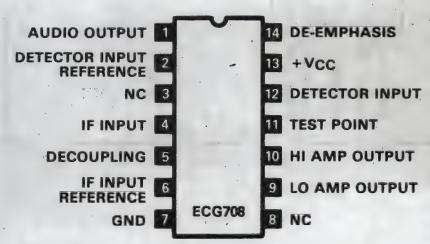
ECG706 14-Pin DIP See Fig. L104
TV/FM IF Amp/Limiter/Detector/Audio Driver for Tube-Type Audio Power Amplifiers



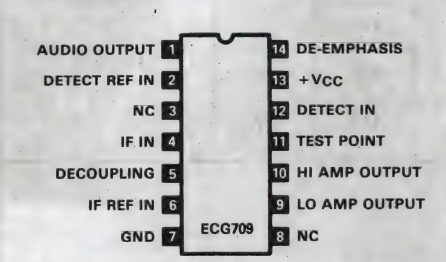
ECG707 10-Pin Can See Fig. L7
Chroma Demodulator



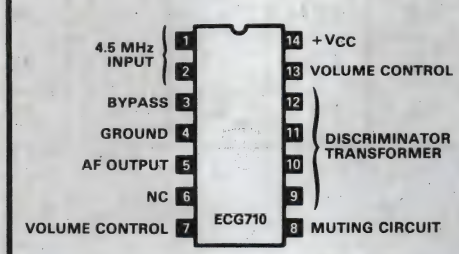
ECG708 14-Pin DIP See Fig. L104
FM & TV Sound IF Amp/Detector/Limiter



ECG709 14-Pin DIP See Fig. L104
FM & TV Sound IF Amp/Detector/Limiter for Portable & Vehicular Equipment



ECG710 14-Pin DIP-Q See Fig. L107
(14-Pin DIP See Alternate Fig. L104)
TV/FM IF Amp/Limiter/Detector/Audio Driver for Transistor-Type Power Amplifiers

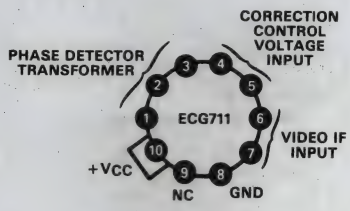


Package Outlines - See Page 1-269

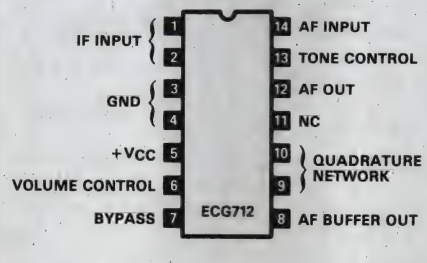
Note: Can Diagrams are Bottom View unless otherwise noted.

Linear IC and Module Circuits (cont'd)

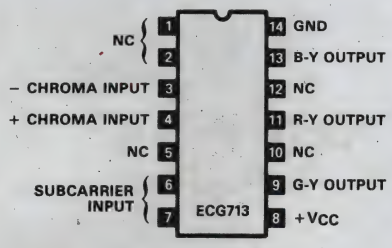
ECG711 10-Pin Can See Fig. L5
Color TV-AFT System



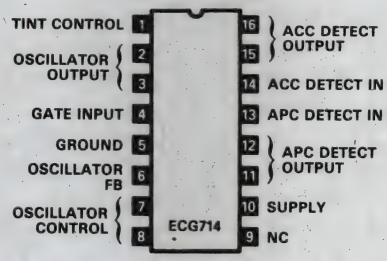
ECG712 14-Pin DIP See Fig. L104
(14-Pin DIP-Q See Alternate Fig. L107)
FM & TV Sound IF Detector & Electronic Attenuator



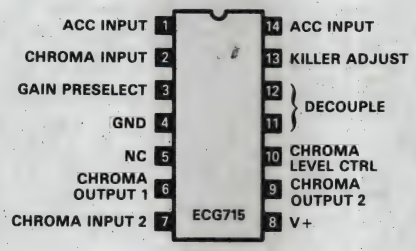
ECG713 14-Pin DIP See Fig. L104
Chroma Demodulator



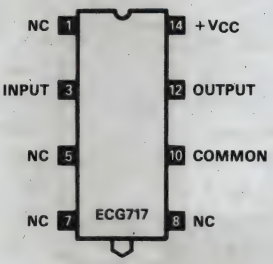
ECG714 16-Pin DIP See Fig. L111
Color Subcarrier Regenerator



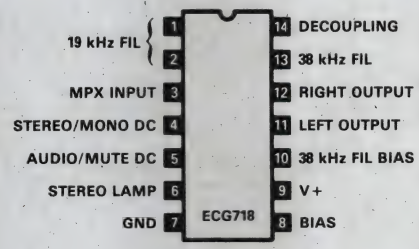
ECG715 14-Pin DIP See Fig. L104
Chroma IF Amplifier



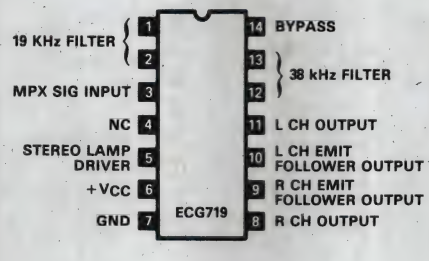
ECG717 14-Pin DIP-EP See Fig. L139
Audio Power Amplifier. Replacement for PA234



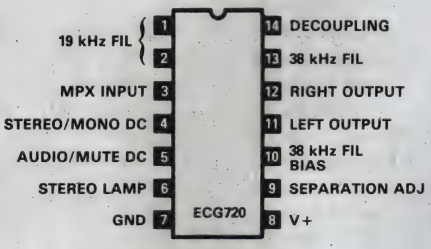
ECG718 14-Pin DIP See Fig. L104
FM-Stereo Multiplex Demodulator



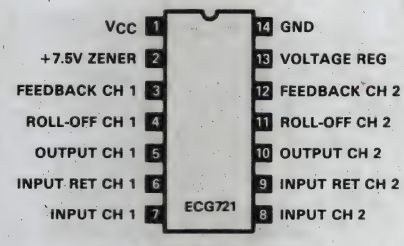
ECG719 14-Pin DIP See Fig. L104
FM-Stereo Multiplex Demodulator. Emitter Follower Outputs



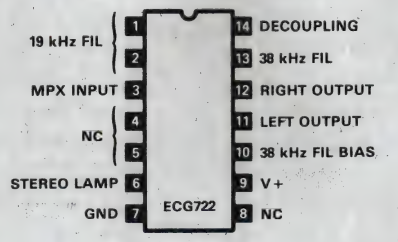
ECG720 14-Pin DIP See Fig. L104
FM-Stereo Multiplex Demodulator with Adjustable Stereo Channel Separation



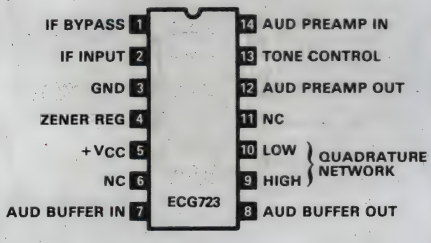
ECG721 14-Pin DIP See Fig. L104
Dual Low-Noise, Low-Level Preamplifier



ECG722 14-Pin DIP See Fig. L104
FM-Stereo Multiplex Demodulator



ECG723 14-Pin DIP See Fig. L104
FM Sound System for Communications & High-Fidelity FM Receivers



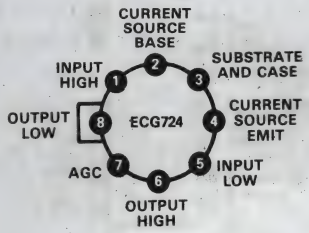
Package Outlines - See Page 1-269

N

Linear IC and Module Circuits (cont'd)

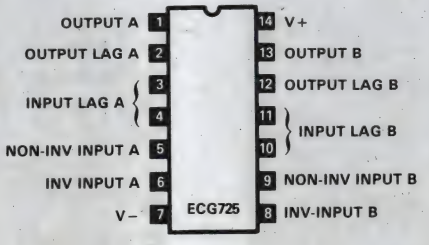
ECG724 8-Pin Can See Fig. L3

Differential/Cascade Amplifier for Communications & Industrial Equipment. From DC to 120 MHz



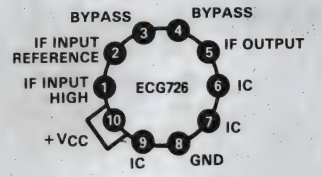
ECG725 14-Pin DIP See Fig. L104

Dual Low-Noise Operational Amplifier



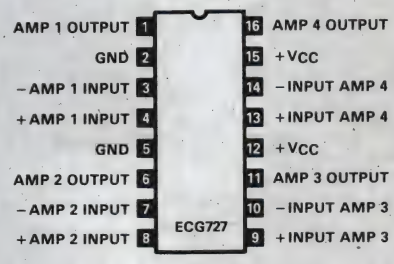
ECG726 10-Pin Can See Fig. L7

Wide-Band Amplifier Replacement for CA3011 and CA3012



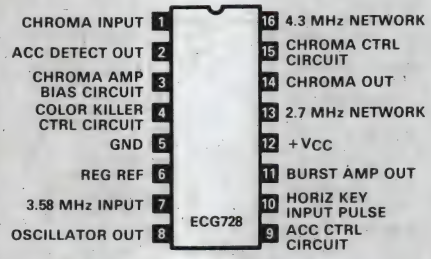
ECG727 16-Pin DIP See Fig. L111

Four Independent AC Amplifiers for Low-Noise AC Applications in Consumer and Industrial Service



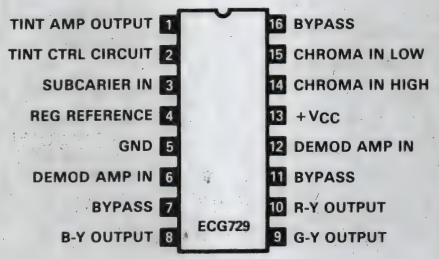
ECG728 16-Pin DIP-Q See Fig. L113

Chroma Signal Processor



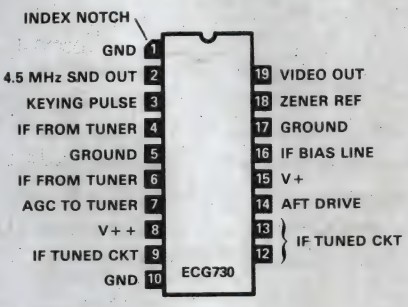
ECG729 16-Pin DIP-Q See Fig. L113

Chroma Demodulator



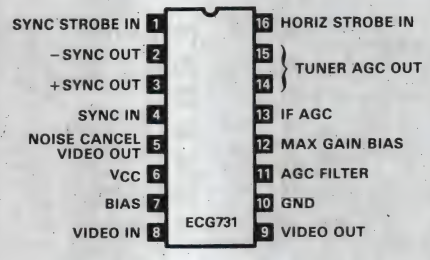
ECG730 16+2 Pin DIP-Q See Fig. L117

TV Video IF System



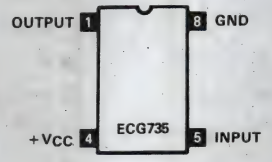
ECG731 16-Pin DIP See Fig. L111

Video Signal Processor. Replacement for Zenith 221-45



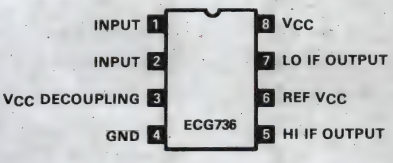
ECG735 4-Pin DIP See Fig. L96

Class "A" Audio Driver



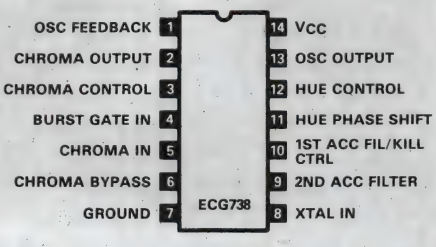
ECG736 8-Pin DIP See Fig. L97

FM Gain Block with Voltage Regulator



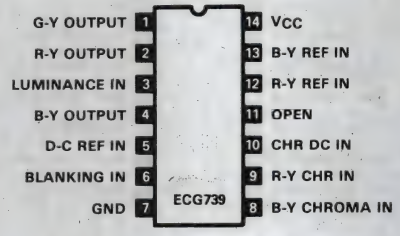
ECG738 14-Pin DIP See Fig. L104

Chroma IF Amp, Automatic Chroma Control, Color Killer, Injection Lock Reference System, and DC Hue Control



ECG739 14-Pin DIP See Fig. L104

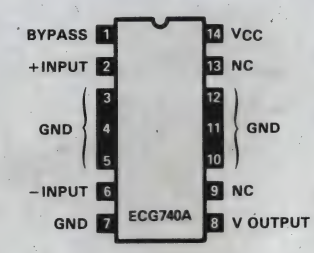
Chroma Demodulator with RGB Matrix and Chroma Driver Stages



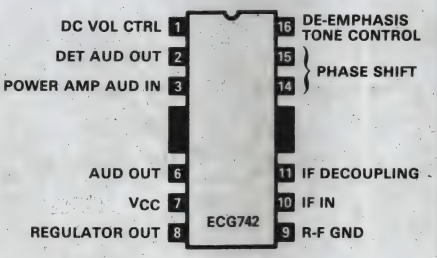
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

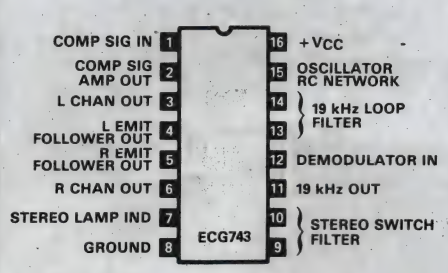
ECG740A 14-Pin DIP-W See Fig. L106
(14-Pin DIP-W See Alternate Fig. L132)
AF PO, 2 W



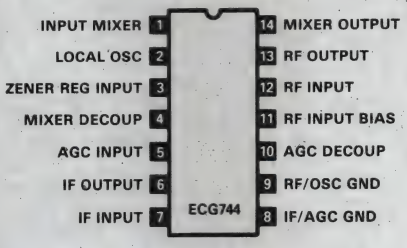
ECG742 16-Pin DIP-W See Fig. L136
TV Sound System, 2 W PO



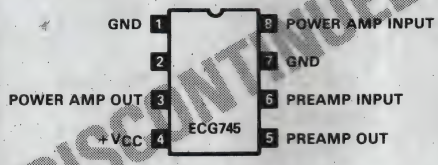
ECG743 16-Pin DIP See Fig. L111
FM Stereo Decoder - Phase-Locked Loop



ECG744 14-Pin DIP See Fig. L104
RF IF Amplifier for AM Radio

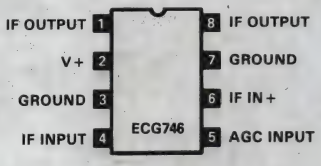


ECG745 8-Pin DIP See Fig. L98
1/2-Watt Audio Amplifier

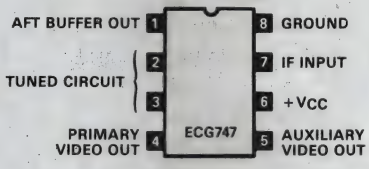


DISCONTINUED

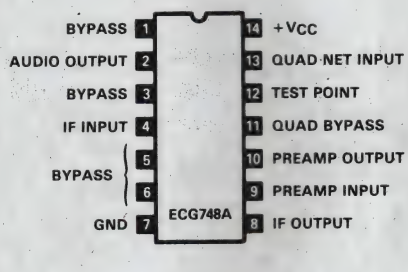
ECG746 8-Pin DIP See Fig. L98
FM TV Sound IF Amplifier



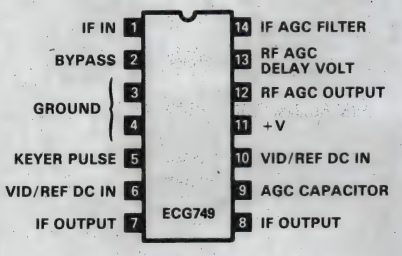
ECG747 8-Pin DIP See Fig. L98
Low-Level Video Detector



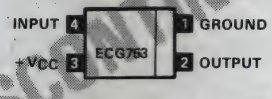
ECG748A 14-Pin DIP See Fig. L104
TV Sound IF Amp/Limiter/Detector, Audio Preamp



ECG749 14-Pin DIP See Fig. L104
TV Video IF Amplifier with Keyed AGC

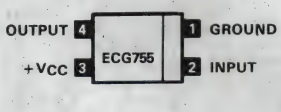


ECG753 4-Pin DIP-Q See Fig. L94
Wide-Band Amplifier. Replacement for MFC4010A

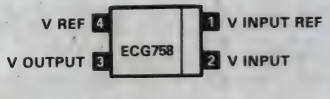


DISCONTINUED

ECG755 4-Pin DIP-Q See Fig. L94
Class "A" Audio Driver. Replacement for MFC4050



ECG758* 4-Pin DIP-Q-See Fig. L94
Voltage Regulator 9-20 Volts,
200 mA - I LOAD (max)
Load Regulation 1 mA - 50 mA - 0.2%
Line Regulation 0.03%
Replacement for MFC4063, MFC4063A



* 3-Volt Differential Between VIN and VOUT

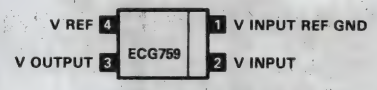
Package Outlines - See Page 1-269

N

Linear IC and Module Circuits (cont'd)

ECG759* 4-Pin DIP-Q See Fig. L94

Voltage Regulator 9-20 Volts, 200 mA - I LOAD (max)
Load Regulation 1 mA - 50 mA - 0.4%
Line Regulation 0.06%
Replacement for MFC4064, MFC4064A



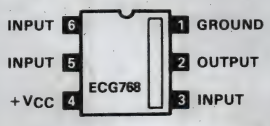
ECG760 6-Pin DIP-Q See Fig. L95

FM IF Amplifier. Replacement for MFC6010



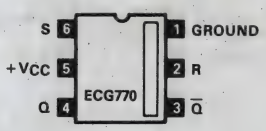
ECG768 6-Pin DIP-Q See Fig. L95

3-Input AND Gate. Compatible with TTL and DTL. Replacement for MFC6060



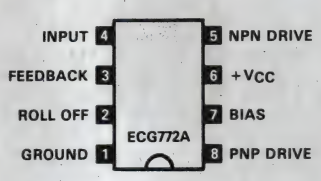
ECG770 6-Pin DIP-Q See Fig. L95

RS Flip-Flop. Compatible with TTL and DTL. High-Current Buffered Outputs Allow Direct Drive of Medium Current Lamps and Relays. Replacement for MFC6080



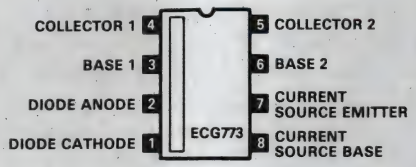
ECG772A 8-Pin DIP-Q See Fig. L101
(8-Pin DIP See Alternate Fig. L97)

Audio Pre-Amp and Class "B" Driver. For Complementary Output Transistors. Drives Up to 15-Watt Output into 4-Ohm Lead Stages. Replacement for MFC8020



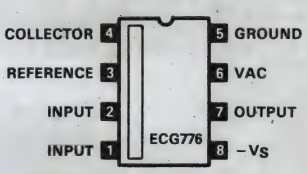
ECG773 8-Pin DIP-Q See Fig. L99

Differential/Cascade Amplifier. Diode Available for Biasing. Replacement for MFC8030



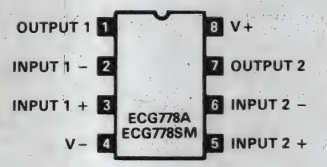
ECG776 8-Pin DIP-Q See Fig. L99

Zero Voltage Switch for Use in AC Power Switching Applications with Output Drive Capable of Triggering TRIAC. Replacement for MFC8070



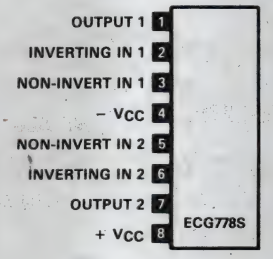
ECG778A 8-Pin DIP See Fig. L98
ECG778SM 8-Pin SOIC See Fig. L159

Dual, Internally Compensated, High-Performance Operational Amplifier



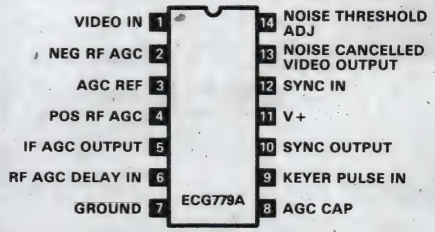
ECG778S 8-Pin SIP See Fig. L35

Dual Internally Compensated High Performance Operational Amplifier, $V_{CC} = \pm 15$ V Typ



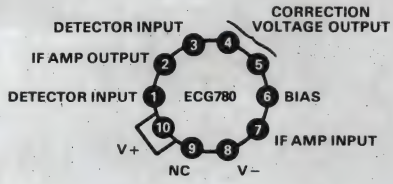
ECG779A 14-Pin DIP See Fig. L104

TV Signal Processor, Sync Separator, Noise Inverter, AGC Comparator, RF AGC Delay Amplifier. For Color or Monochrome TV Receivers



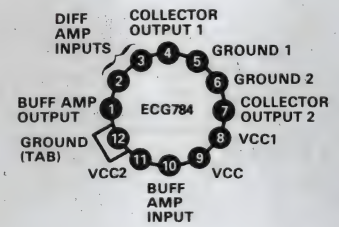
ECG780 10-Pin Can See Fig. L5

Wide-Band Amplifier, Differential Detector, DC Amplifier, and Zener Diode Regulator for Automatic Frequency Control Applications. High-Gain IF Amplifier Allows Use with TV Receivers with Low-Level IF Amps



ECG784 12-Pin Can See Fig. L9

Multi-Purpose, Wide-Band Power Amplifiers for Industrial and Commerical Equipment



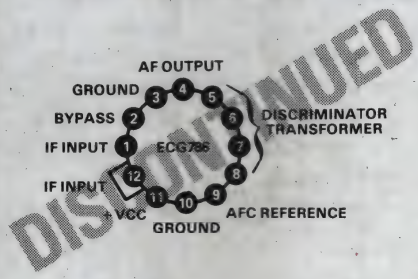
*3-Volt Differential Between V_{IN} and V_{OUT}

Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

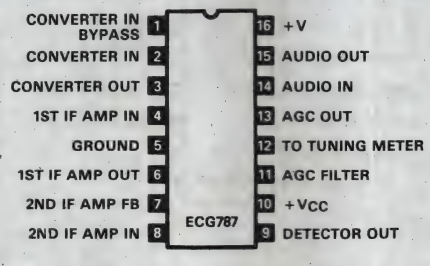
ECG786 12-Pin Can See Fig. L10

FM IF Amp/Limiter/Detector, AF Preamp and Driver. For Communications Receivers and High-Fidelity FM Receivers



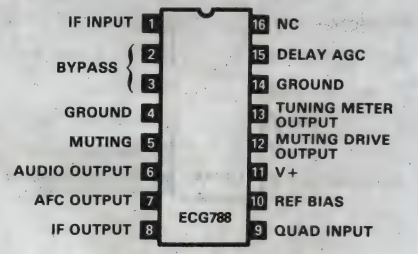
ECG787 16-Pin DIP See Fig. L111

AM Receiver Subsystem and General-Purpose Amplifier Array



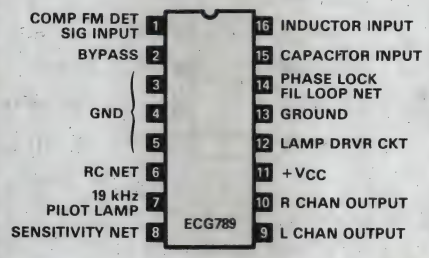
ECG788 16-Pin DIP See Fig. L111

FM IF System. IF Amplifier, Quadrature Detector, AF Preamplifier, Circuits for AGC, AFC, Muting, and Tuning Meter



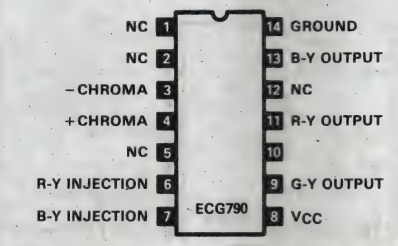
ECG789 16-Pin DIP-Q See Fig. L113

FM-Stereo Decoder



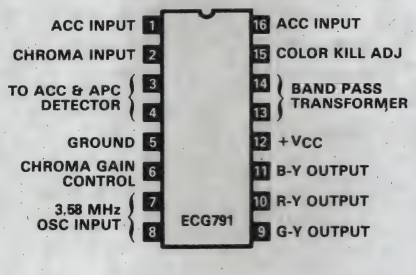
ECG790 14-Pin DIP See Fig. L104

Dual Chroma Demod



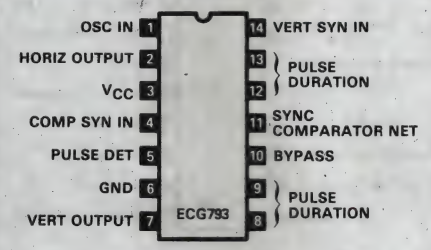
ECG791 16-Pin DIP See Fig. L111

Chroma Amp, Demod



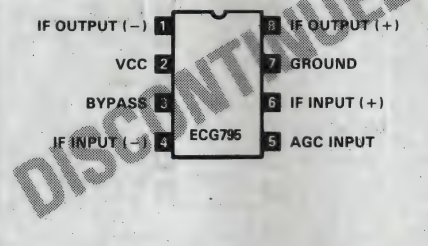
ECG793 14-Pin DIP See Fig. L104

Vert Countdown



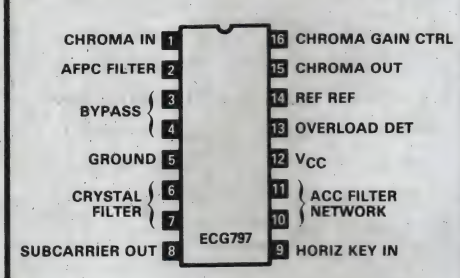
ECG795 8-Pin DIP See Fig. L97

AGC Control and IF Amp



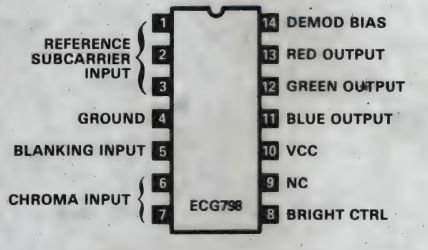
ECG797 16-Pin DIP-Q See Fig. L113

Chroma Processor



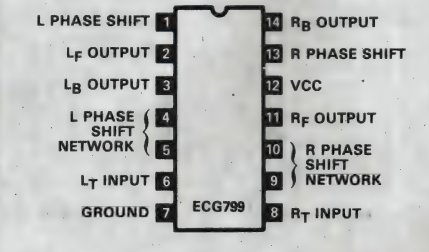
ECG798 14-Pin DIP See Fig. L104

Chroma Demod



ECG799 14-Pin DIP See Fig. L104

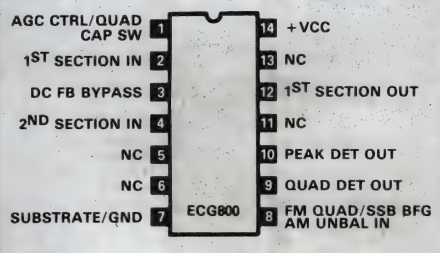
4-Channel "SQ" Stereo Decoder



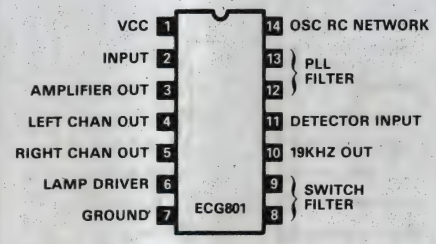
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

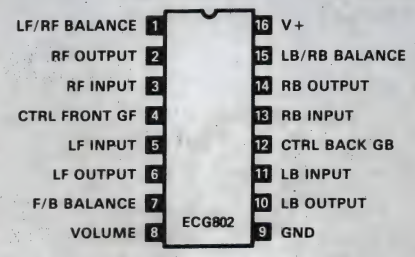
ECG800 14-Pin DIP See Fig. L104
FM/AM/SSB IF Amp, Det



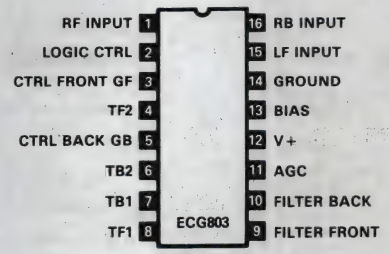
ECG801 14-Pin DIP See Fig. L104
FM Stereo Demod, Phase Locked Loop



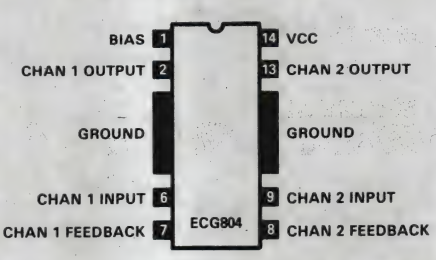
ECG802 16-Pin DIP See Fig. L112
4-Channel Voltage Controlled Attenuator



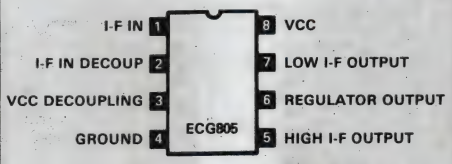
ECG803 16-Pin DIP See Fig. L112
4-Channel "SQ" Stereo DC Logic - F/B Enhancement



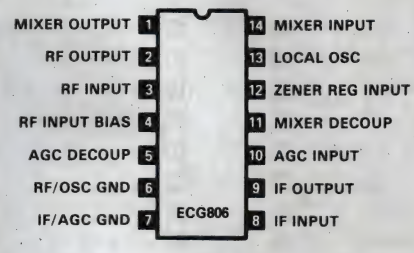
ECG804 14-Pin DIP-W See Fig. L106
(14-Pin DIP-W See Alternate Fig. L132)
(14-Pin DIP See Alternate Fig. L104)
Dual 2-Watt Audio Amp



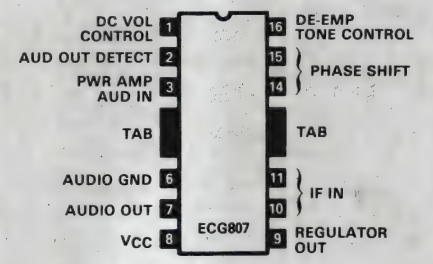
ECG805 8-Pin DIP See Fig. L97
FM IF Gain Block



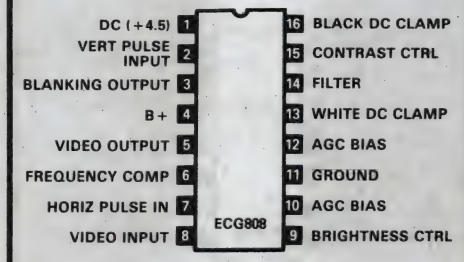
ECG806 14-Pin DIP See Fig. L104
AM Radio RF/IF Amp



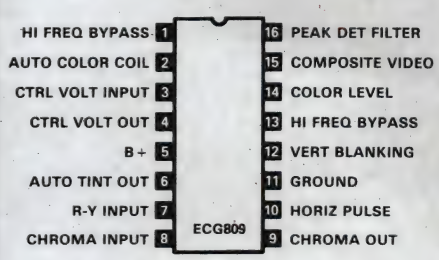
ECG807 16-Pin DIP-W See Fig. L136
TV/FM Sound System, 1 W, PO



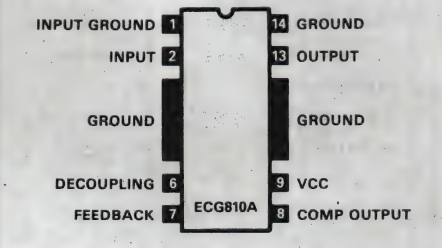
ECG808 16-Pin DIP See Fig. L111
TV Video Signal Processor



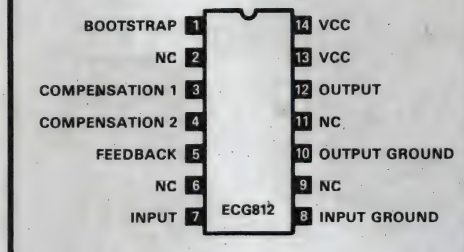
ECG809 16-Pin DIP See Fig. L111
TV Chroma Processor



ECG810A 14-Pin DIP-W See Fig. L106
2 W Audio PO



ECG812 14-Pin DIP See Fig. L104
AF PO

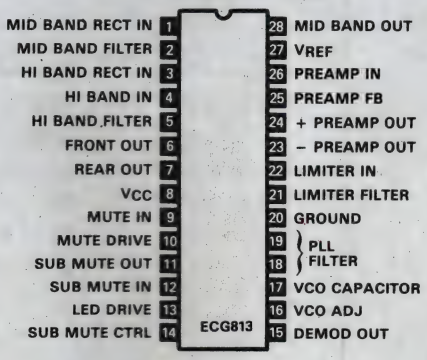


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

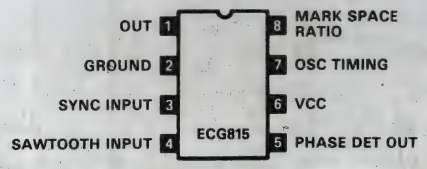
ECG813 28-Pin DIP See Fig. L124

CD4 Disc Demodulation System with Preamp, V_{CC} = 13 V Typ



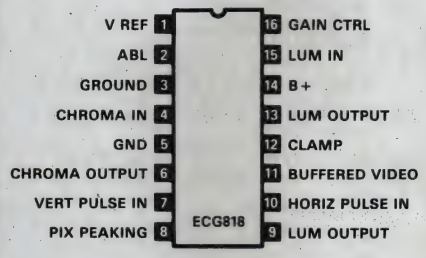
ECG815 8-Pin DIP See Fig. L98

TV Horiz Processor for Positive Sawtooth Input



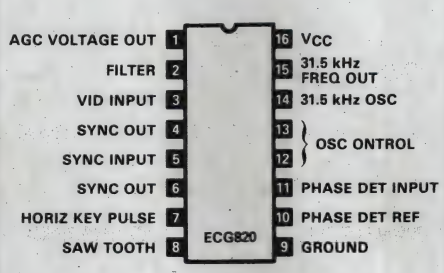
ECG818 16-Pin DIP See Fig. L111

TV Luminance Processor



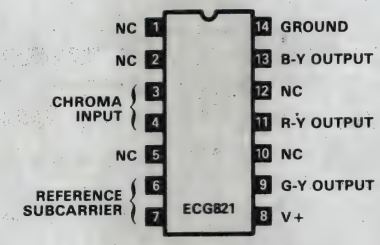
ECG820 16-Pin DIP See Fig. L111

Horiz Osc and AGC



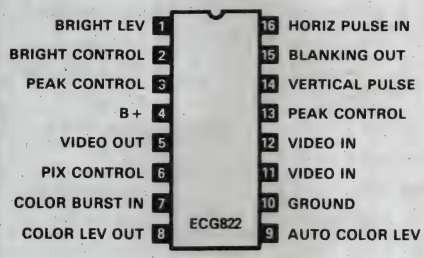
ECG821 14-Pin DIP See Fig. L104

Chroma Demod



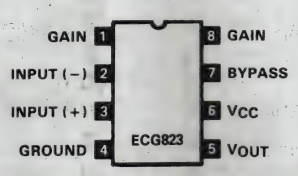
ECG822 16-Pin DIP See Fig. L111

TV Chroma Processor



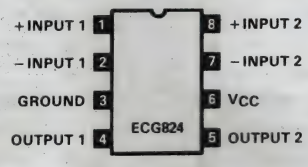
ECG823 8-Pin DIP See Fig. L98

AF PO, V_{CC} = 15 V Max



ECG824 8-Pin DIP See Fig. L98

Dual AF Preamp

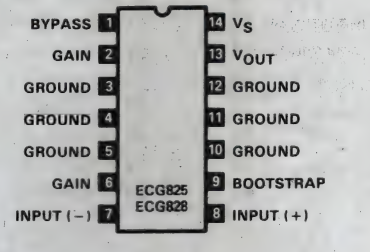


ECG825 14-Pin DIP See Fig. L104

AF PO, 1 W

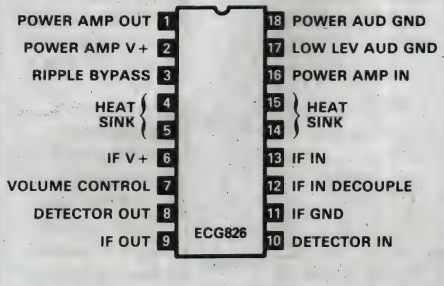
ECG828

AF PO, 1.5 W



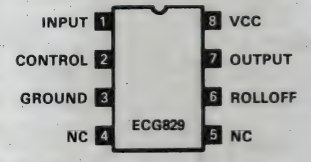
ECG826 18-Pin DIP See Fig. L115

FM IF, AF PO, 2 W



ECG829 8-Pin DIP See Fig. L98

Electronic Attenuator

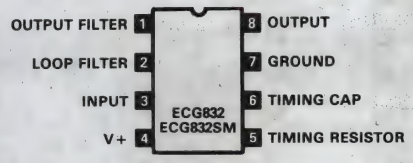


N

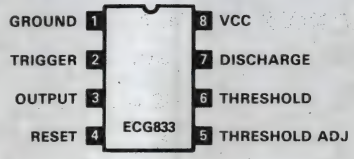
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

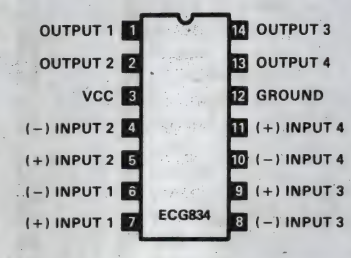
ECG832 8-Pin DIP See Fig. L98
ECG832SM 8-Pin SOIC See Fig. L159
Tone Decoder, V+ = 5 V Typ



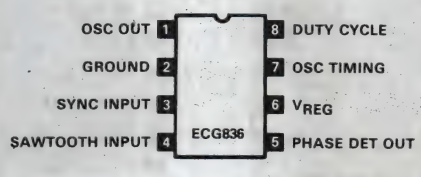
ECG833 8-Pin DIP See Fig. L98
Timing Circuit



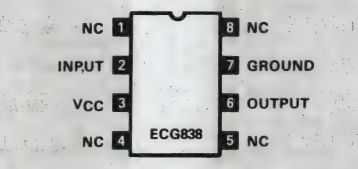
ECG834 14-Pin DIP See Fig. L104
ECG834SM 14-Pin SOIC See Fig. L160
Quad Comparator



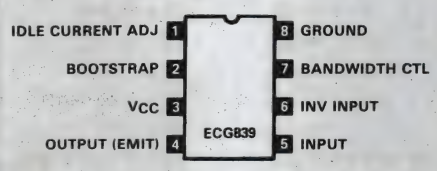
ECG836 8-Pin DIP See Fig. L97
TV Horiz Processor for Negative Sawtooth Input



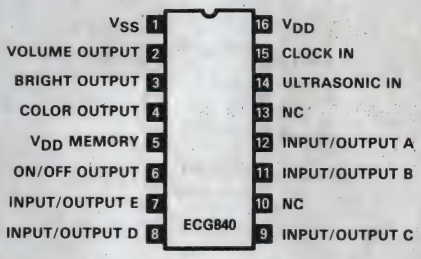
ECG838 8-Pin DIP See Fig. L98
Wide Band Amplifier, V_{CC} = 12 V Typ



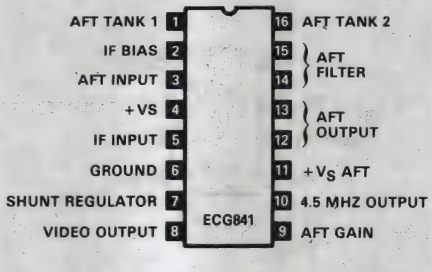
ECG839 8-Pin DIP See Fig. L98
AF Preamp, Class "B", V_{CC} = 30 V Typ



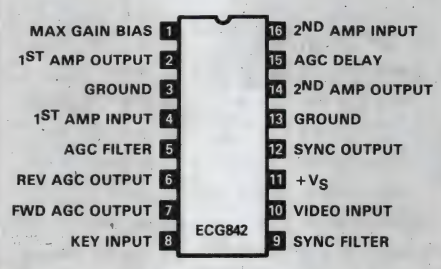
ECG840 16-Pin DIP See Fig. L112
TV 30-Channel Decoder



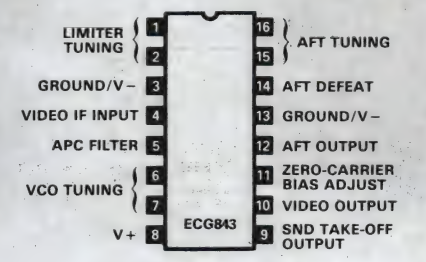
ECG841 16-Pin DIP See Fig. L112
TV Video IF, AFT



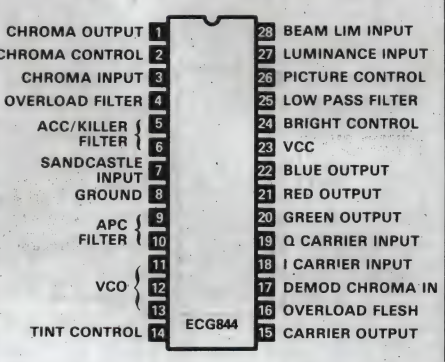
ECG842 16-Pin DIP See Fig. L112
TV Video IF, AGC



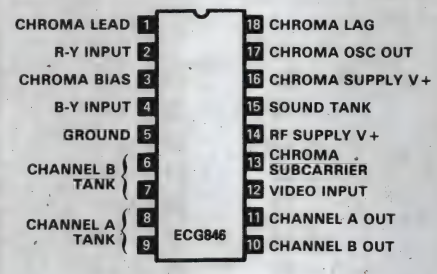
ECG843 16-Pin DIP See Fig. L112
TV Video IF, AFT



ECG844 28-Pin DIP See Fig. L124
TV Chroma/Luminance Circuit



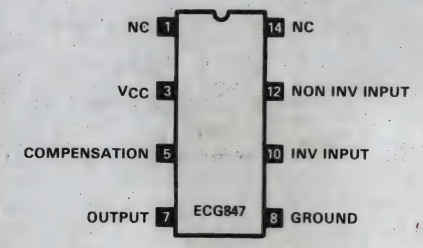
ECG846 18-Pin DIP See Fig. L115
TV Video Modulator



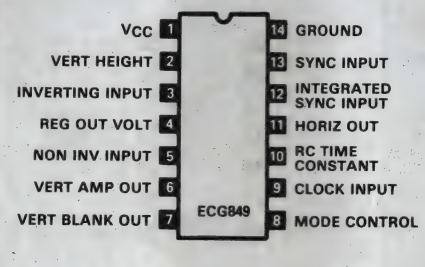
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

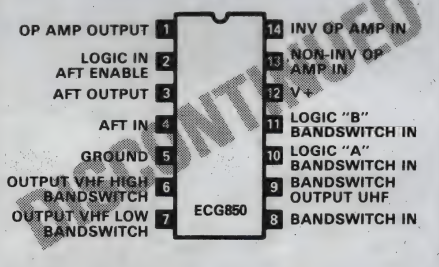
ECG847 14-Pin DIP See Fig. L103
Low Level Audio Amp. Replaces PA230 and PA238, V_{CC} = 12 V Typ



ECG849 14-Pin DIP See Fig. L104
TV Horiz/Vert Countdown

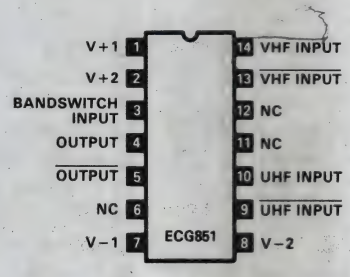


ECG850 14-Pin DIP See Fig. L104
Op Amp/Bandswitch

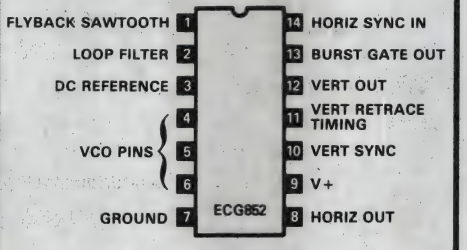


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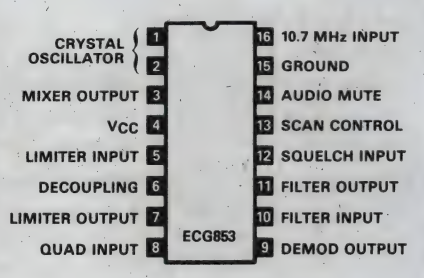
ECG851 14-Pin DIP See Fig. L104
TV VHF-UHF Pre-scaler



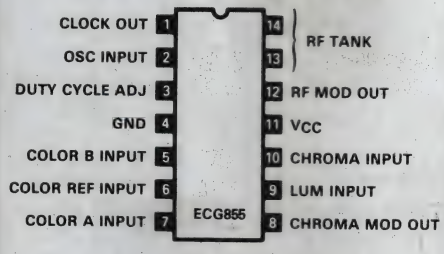
ECG852 14-Pin DIP See Fig. L104
No Hold Control, Vert/Horiz Circuit



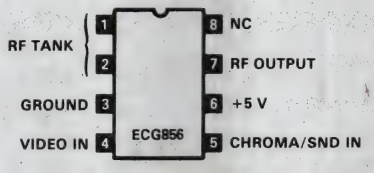
ECG853 16-Pin DIP See Fig. L111
Narrow Band FM, IF, Squelch, Scan Control



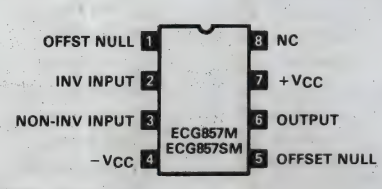
ECG855 14-Pin DIP See Fig. L104
Color TV Video Modulator



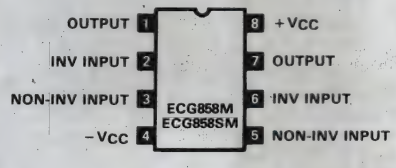
ECG856 8-Pin DIP See Fig. L97
TV Video Modulator



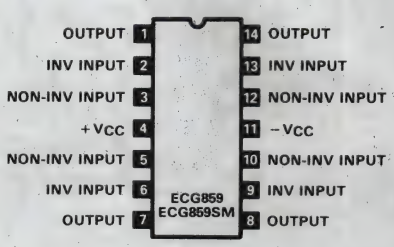
ECG857M 8-Pin DIP See Fig. L98
ECG857SM 8-Pin SOIC See Fig. L159
Lo Noise JFET Input Op Amp



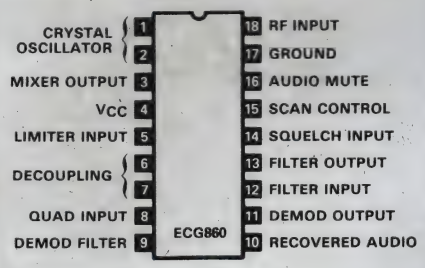
ECG858M 8-Pin DIP See Fig. L98
ECG858SM 8-Pin SOIC See Fig. L159
Dual Lo Noise JFET Input Op Amp



ECG859 14-Pin DIP See Fig. L104
ECG859SM 14-Pin SOIC See Fig. L160
Quad Lo Noise JFET Input Op Amp



ECG860 18-Pin DIP See Fig. L115
Narrow Band FM, IF Amp Scan Control Squelch Osc. Mixer, DET and AFC

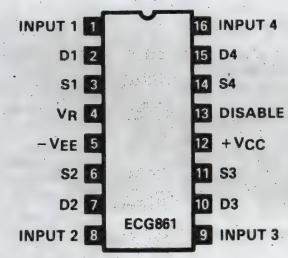


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

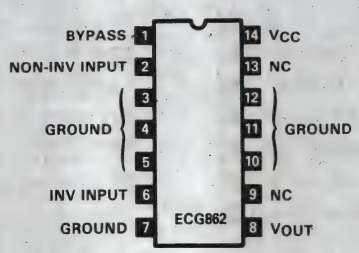
ECG861 16-Pin DIP See Fig. L112

Quad Single Pole Analog Switches-Normally Open



ECG862 14-Pin DIP-W See Fig. L106

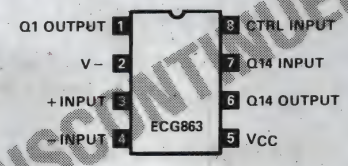
AF PO, $V_{CC}=22$ V, $R_L=8\Omega$
2 W (No Heat Sink)
5 W (with ECG450A Heat Sink)



ECG863 8-Pin DIP See Fig. L98

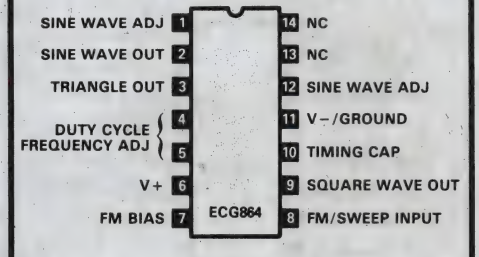
Op Amp Comparator Used By Zenith as a Pulse Width Modulator, $V_{CC}=12$ V Typ

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ECG864 14-Pin DIP See Fig. L104

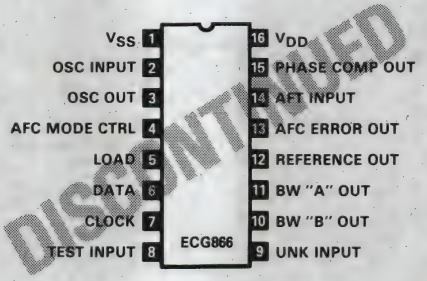
Precision Waveform Generator



ECG866 16-Pin DIP See Fig. L111

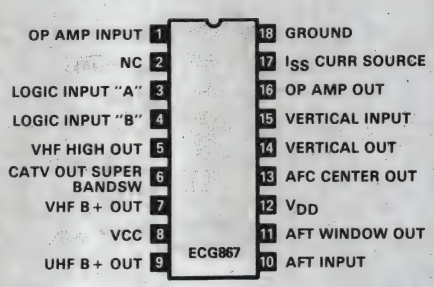
TV Tuner Frequency Synthesizer (PMOS), $V_{DD}=5$ V, $V_{SS}=0$ V Typ

DISCONTINUED



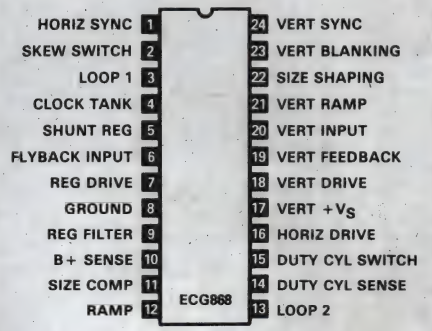
ECG867 18-Pin DIP See Fig. L115

TV Tuner Band Select and Quad Comparator (PMOS), $V_{CC}=12$ V, $V_{DD}=5$ V, $V_{GG}=0$ V Typ



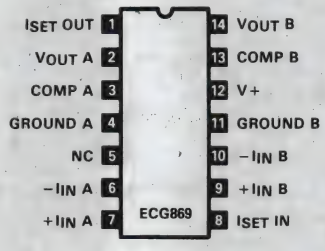
ECG868 24-Pin DIP See Fig. L122

TV Horizontal/Vertical/Osc/Driver/Countdown



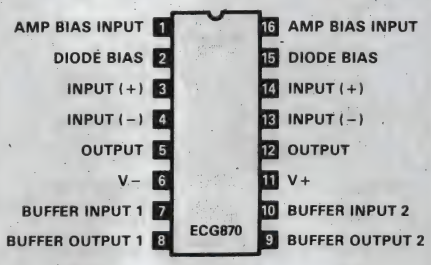
ECG869 14-Pin DIP See Fig. L104

Dual Hi Speed/Progmble/Current Mode Op Amp/Single Supply



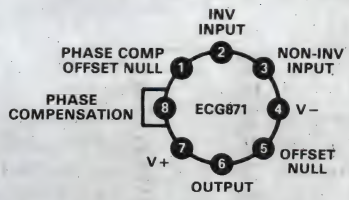
ECG870 16-Pin DIP See Fig. L111

Dual Transconductance Op Amp



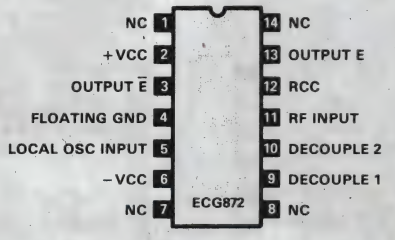
ECG871 8-Pin Can See Fig. L3

Wide Band Op Amp



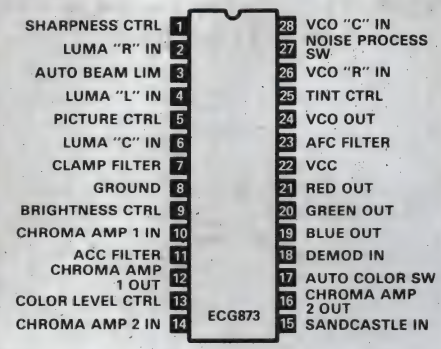
ECG872 14-Pin DIP See Fig. L104

VCR Double Balanced Modulator/Mixer



ECG873 28-Pin DIP See Fig. L124

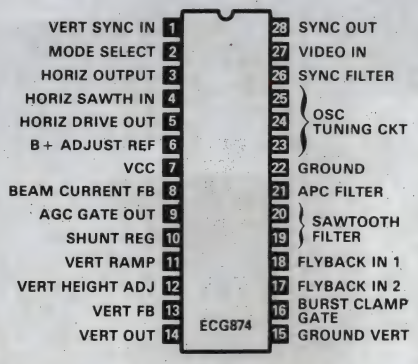
Luminance/Chroma Proc/Demod



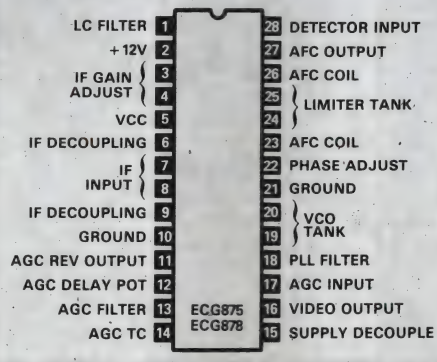
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

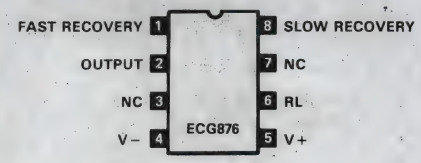
ECG874 28-Pin DIP See Fig. L124
TV Horizontal/Vertical Countdown/Driver



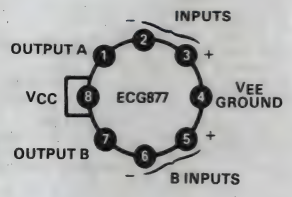
ECG875 28-Pin DIP See Fig. L124
ECG878 (Pin 16 and 17 Video Output)
VIF Amp/AGC/Det/Vid Amp



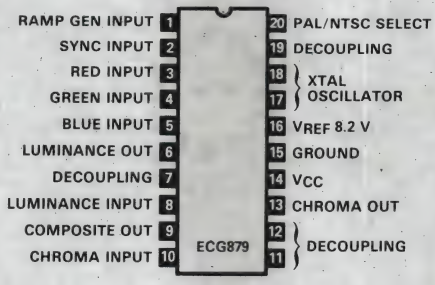
ECG876 8-Pin DIP See Fig. L97
Flasher/Oscillator for LEDs



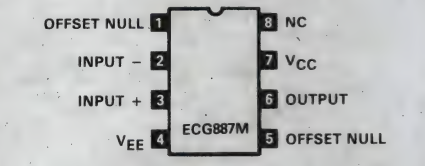
ECG877 8-Pin Can See Fig. L3
Dual Op Amp



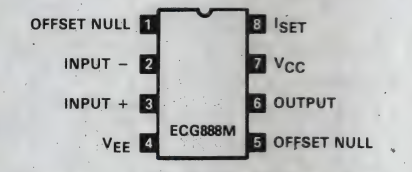
ECG879 20-Pin DIP See Fig. L118A
TV RGB to PAL/NTSC Encoder,
V_{CC} = 12 V Typ



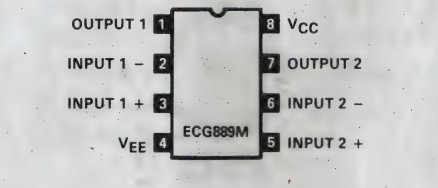
ECG887M 8-Pin DIP See Fig. L98
Lo Power JFET Input Op Amp



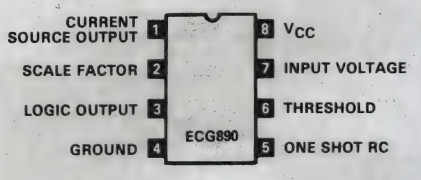
ECG888M 8-Pin DIP See Fig. L98
Lo Power Programmable Op Amp



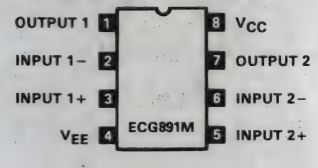
ECG889M 8-Pin DIP See Fig. L98
Dual Lo Power JFET Input Op Amp



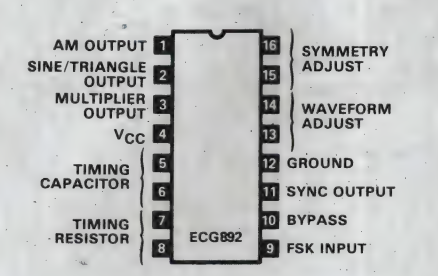
ECG890 8-Pin DIP See Fig. L98
Voltage to Frequency Converter



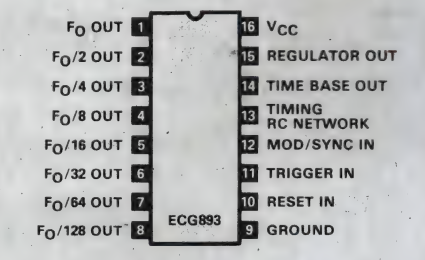
ECG891M 8-Pin DIP See Fig. L97
ECG891SM 8-Pin SOIC See Fig. L159
Dual Op Amp, Internally Compensated,
V_{CC} = +15 V, V_{EE} = –15 V



ECG892 16-Pin DIP See Fig. L111
Precision Waveform Generator,
V_{CC} = 12 V Typ, Freq. Range .01 Hz to 1 MHz



ECG893 16-Pin DIP See Fig. L111
Programmable Timer/Counter,
V_{CC} = 5 V Typ

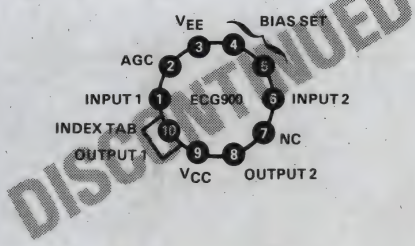


N

Package Outlines - See Page 1-269

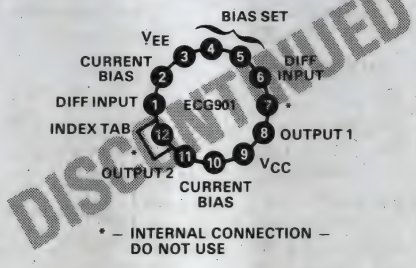
Linear IC and Module Circuits (cont'd)

ECG900 10-Pin Can See Fig. L7
Balanced Diff Amp and DC Amp



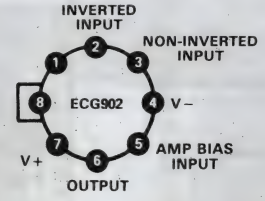
DISCONTINUED

ECG901 12-Pin Can See Fig. L9
Video, Wide-Band Amp



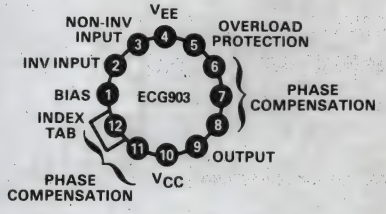
DISCONTINUED

ECG902 8-Pin Can See Fig. L3
Operational Transconductance Amplifier

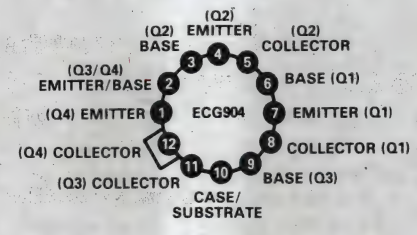


Pin 4 Connected to Case

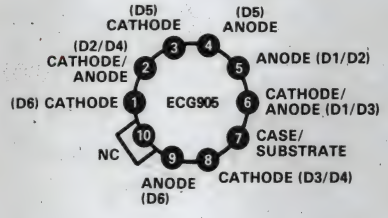
ECG903 12-Pin Can See Fig. L9
Op Amp



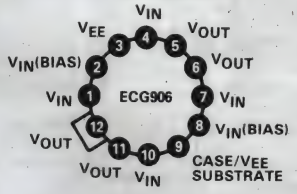
ECG904 12-Pin Can See Fig. L9
2 Transistors and Darlington Pair



ECG905 10-Pin Can See Fig. L7
Diode "Quad" Plus 2 Isolated Diodes

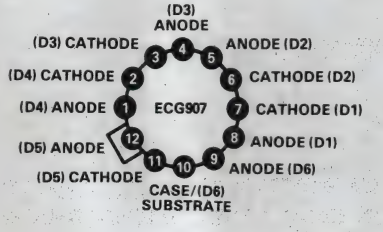


ECG906 12-Pin Can See Fig. L9
Dual HF Diff Amps for Frequency Up to 500 MHz

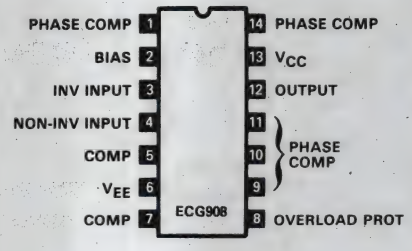


PINS 4-9 = DIFF AMP 1
PINS 1-3, 10-12 = DIFF AMP 2

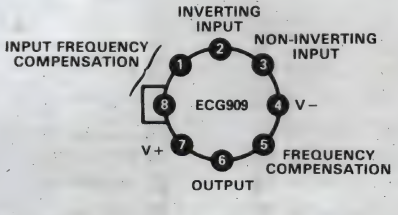
ECG907 12-Pin Can See Fig. L9
Ultra Fast Matched Diodes



ECG908 14-Pin DIP See Fig. L104
Op Amp

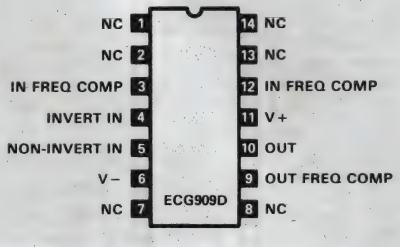


ECG909 8-Pin Can See Fig. L3
Hi-Performance Op Amp

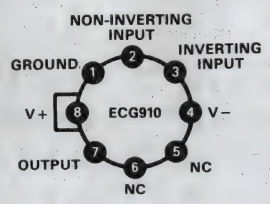


Pin 4 Connected to Case

ECG909D 14-Pin DIP See Fig. L104
Hi-Performance Op Amp



ECG910 8-Pin Can See Fig. L3
Hi-Speed Diff Comparator

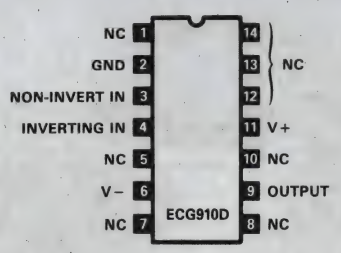


Pin 4 Connected to Case

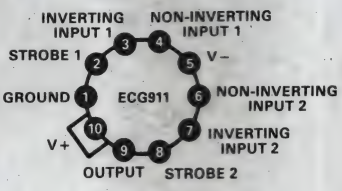
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG910D 14-Pin DIP See Fig. L104
Hi-Speed Diff Comparator

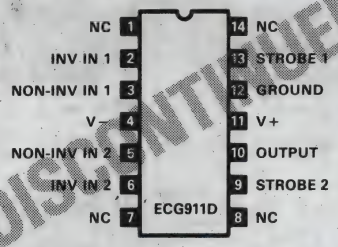


ECG911 10-Pin Can See Fig. L7
Dual Hi-Speed Diff Comparator



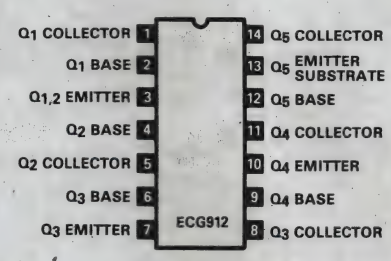
Pin 5 Connected to Case

ECG911D 14-Pin DIP See Fig. L104
Dual Hi-Speed Diff Comparator

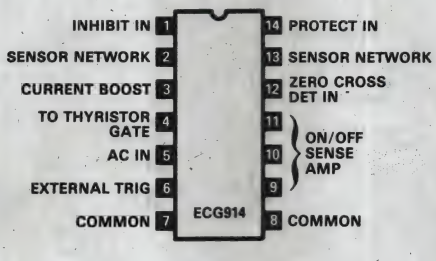


DISCONTINUED

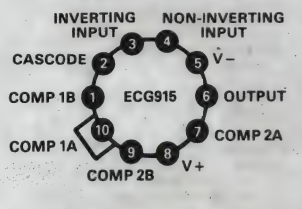
ECG912 14-Pin DIP See Fig. L104
3 Isolated Transistors, 1 Diff Pair



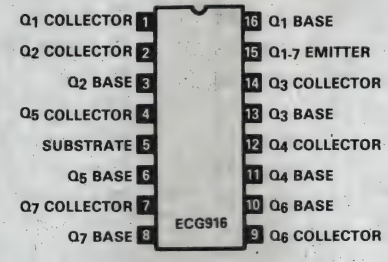
ECG914 14-Pin DIP See Fig. L104
Zero Voltage Switch



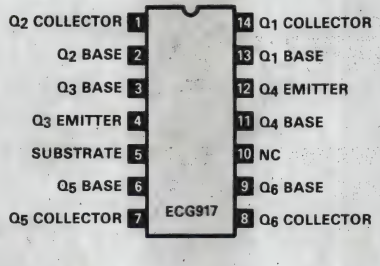
ECG915 10-Pin Can See Fig. L7
Hi-Speed Op Amp



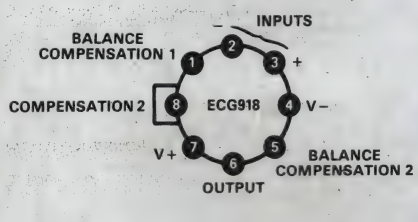
ECG916 16-Pin DIP See Fig. L111
NPN Transistor Array for Digital Segment Displays



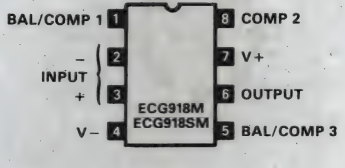
ECG917 14-Pin DIP See Fig. L104
Dual Diff Amp. Lo-Power Application from DC to 120 MHz



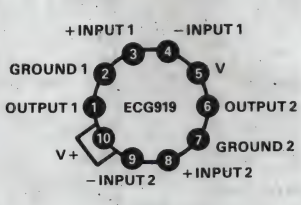
ECG918 8-Pin Can See Fig. L3
Hi-Speed Precision Op Amp



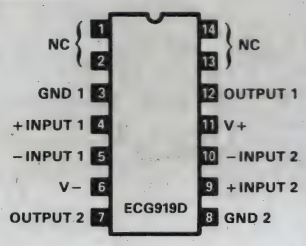
ECG918M 8-Pin DIP See Fig. L97
ECG918SM 8-Pin SOIC See Fig. L159
Hi-Speed Precision Op Amp



ECG919 10-Pin Can See Fig. L7
Dual Hi-Speed Comparator



ECG919D 14-Pin DIP See Fig. L104
Dual Hi-Speed Comparator

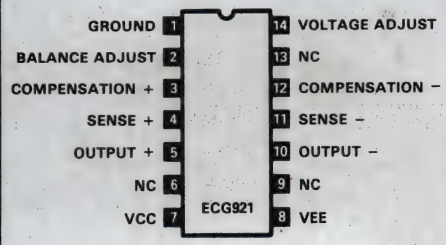


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Package Outlines - See Page 1-269

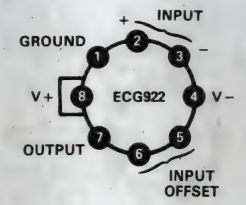
Linear IC and Module Circuits (cont'd)

ECG921 14-Pin DIP See Fig. L104
Dual Polarity Tracking VR ± 15 V



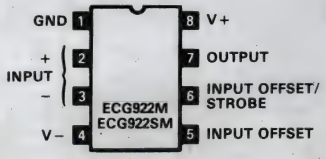
See Voltage Regulator Selector Guide Page 1-157

ECG922 8-Pin Can See Fig. L3
Voltage Comparator

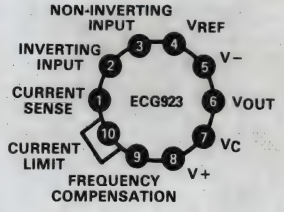


Pin 4 Connected to Case

ECG922M 8-Pin DIP See Fig. L97
ECG922SM 8-Pin SOIC See Fig. L159
Voltage Comparator



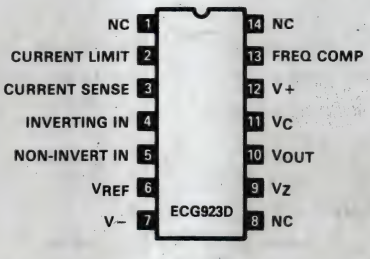
ECG923 10-Pin Can See Fig. L6
Precision VR



Pin 5 Connected to Case

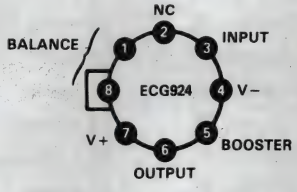
See Voltage Regulator Selector Guide Page 1-157

ECG923D 14-Pin DIP See Fig. L104
Precision VR



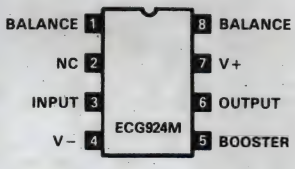
See Voltage Regulator Selector Guide Page 1-157

ECG924 8-Pin Can See Fig. L3
Voltage Follower Op Amp

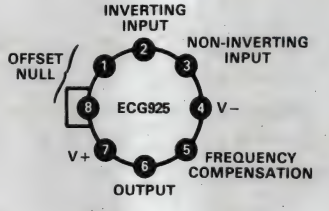


Pin 4 Connected to Case

ECG924M 8-Pin DIP See Fig. L97
Voltage Follower Op Amp

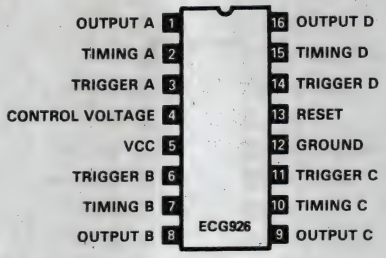


ECG925 8-Pin Can See Fig. L3
Instrumentation Op Amp

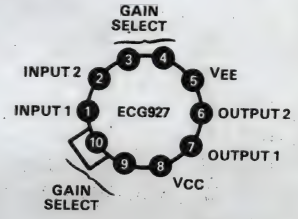


Pin 4 Connected to Case

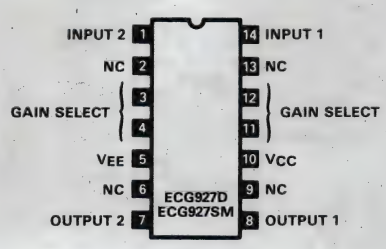
ECG926 16-Pin DIP See Fig. L111
Quad Timer



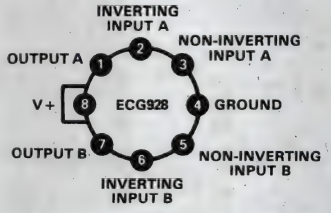
ECG927 10-Pin Can See Fig. L6
Differential Video Amp



ECG927D 14-Pin DIP See Fig. L104
ECG927SM 14-Pin SOIC See Fig. L160
Differential Video Amp



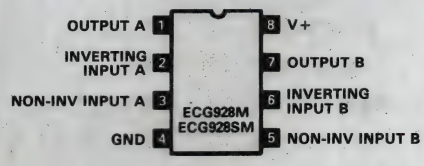
ECG928 8-Pin Can See Fig. L3
Dual Low Power Op Amp



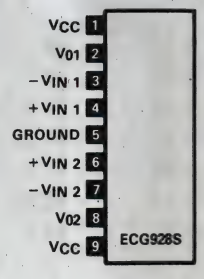
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

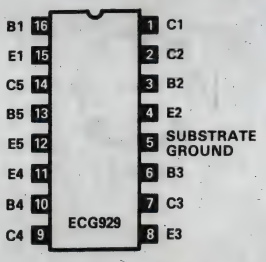
ECG928M 8-Pin DIP See Fig. L97
ECG928SM 8-Pin SOIC See Fig. L159
Dual Low Power Op Amp



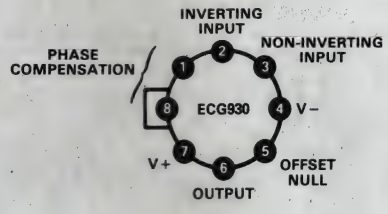
ECG928S 9-Pin SIP See Fig. L39
Dual Low Power Op Amp



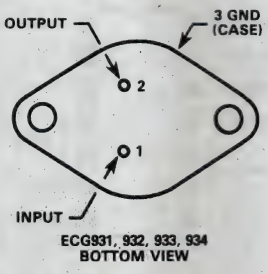
ECG929 16-Pin DIP See Fig. L111
Hi Current NPN Transistor Array w/Matched Pair (Q1 and Q2), V_{CBO} = 60 V Typ, V_{CEO} = 24 V Typ



ECG930 8-Pin Can See Fig. L3
Bi-MOS Op Amp

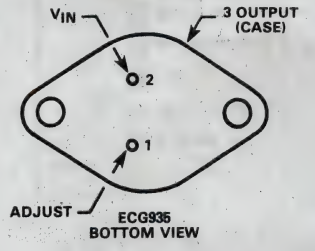


ECG931, ECG932, ECG933, ECG934 TO-3 See Fig. L11
3 Terminal Positive Voltage Regulators



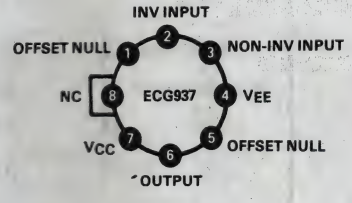
See Voltage Regulator Selector Guide Page 1-157

ECG935 TO-3 See Fig. L11
3 Terminal Positive Adjustable Voltage Regulator; 1.2 to 32 V_{OUT}, I_O = 5 A, P_D = 50 W, V_{IN} Max = 30 + V_{OUT}, V_{IN} Min = 1.25 + V_{OUT}

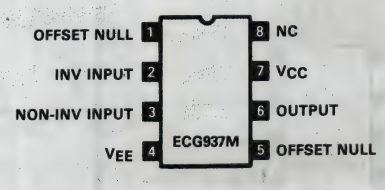


See Voltage Regulator Selector Guide Page 1-157

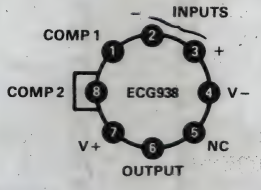
ECG937 8-Pin Can See Fig. L3
JFET Input Op Amp



ECG937M 8-Pin DIP See Fig. L98
JFET Input Op Amp

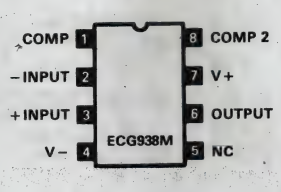


ECG938 8-Pin Can See Fig. L3
Precision Op Amp

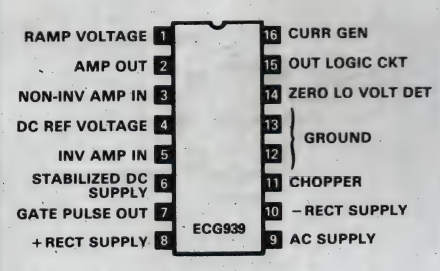


Pin 4 Connected to Case

ECG938M 8-Pin DIP See Fig. L97
Precision Op Amp



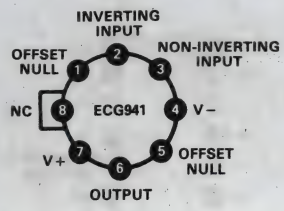
ECG939 16-Pin DIP See Fig. L111
Burst Control for SCR or TRIAC



Package Outlines - See Page 1-269

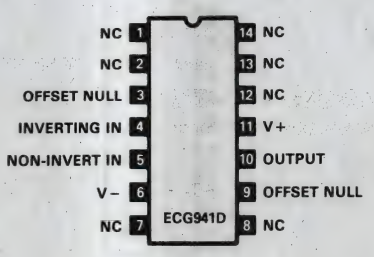
Linear IC and Module Circuits (cont'd)

ECG941 8-Pin Can See Fig. L3
Freq-Compensated Op Amp

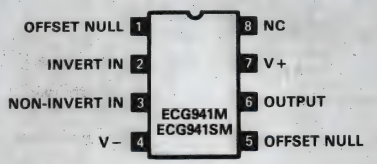


Pin 4 Connected to Case

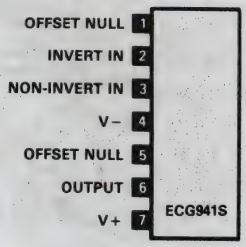
ECG941D 14-Pin DIP See Fig. L104
Freq-Compensated Op Amp



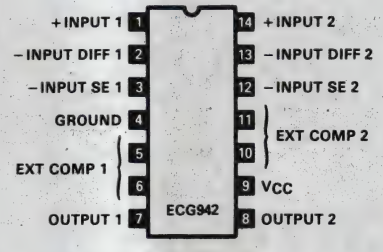
ECG941M 8-Pin DIP See Fig. L97
ECG941SM 8-Pin SOIC See Fig. L159
Freq-Compensated Op Amp



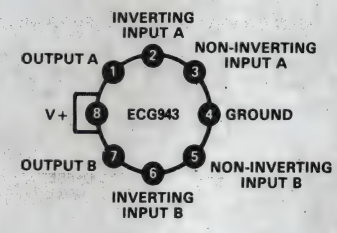
ECG941S 7-Pin SIP See Fig. L24
Freq-Compensated Op Amp



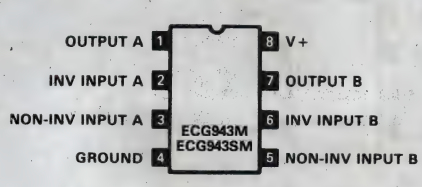
ECG942 14-Pin DIP See Fig. L104
Lo Noise Dual Preamp



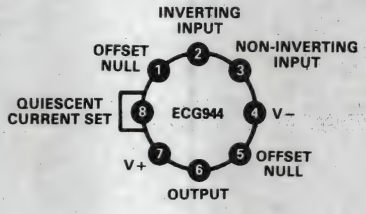
ECG943 8-Pin Can See Fig. L3
Dual Comparator



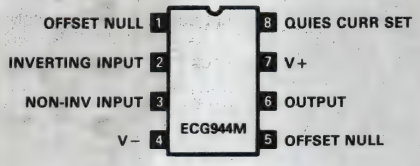
ECG943M 8-Pin DIP See Fig. L98
ECG943SM 8-Pin SOIC See Fig. L159
Dual Comparator



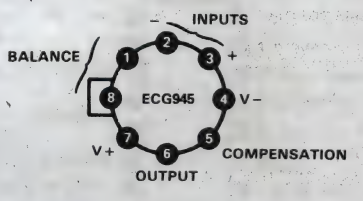
ECG944 8-Pin Can See Fig. L3
Programmable Op Amp



ECG944M 8-Pin DIP See Fig. L98
Programmable Op Amp

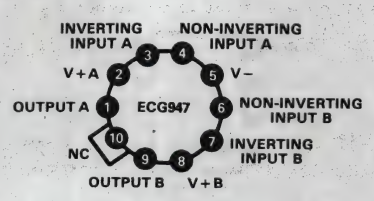


ECG945 8-Pin Can See Fig. L3
Op Amp/Internal Comp/Darlington Input

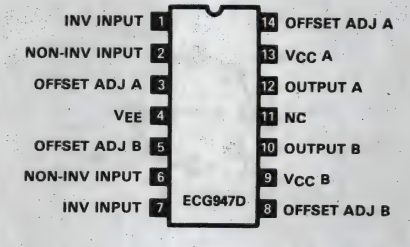


Pin 4 Connected to Case

ECG947 10-Pin Can See Fig. L7
Dual, Freq-Compensated Op Amp



ECG947D 14-Pin DIP See Fig. L104
Dual, Freq-Compensated Op Amp

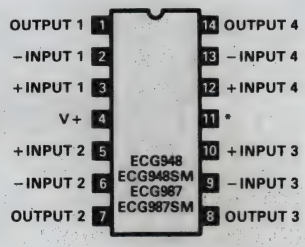


Pins 9 and 13 Tied Externally

Package Outlines - See Page 1-269

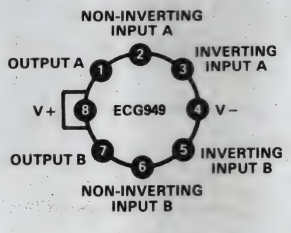
Linear IC and Module Circuits (cont'd)

ECG948 14-Pin DIP See Fig. L104
ECG948SM 14-Pin SOIC See Fig. L160
Quad Op Amp



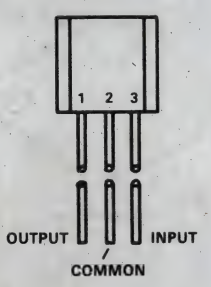
* ECG948, 948SM - Dual Supply, Pin 11 = V–

ECG949 8-Pin Can See Fig. L3
Dual Op Amp



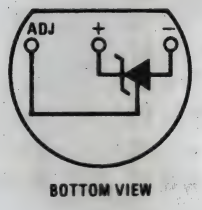
Pin 4 Connected to Case

ECG950 TO-92 See Fig. L16
Pos VR, 12 V, 100 mA
ECG951
Pos VR, 15 V, 100 mA

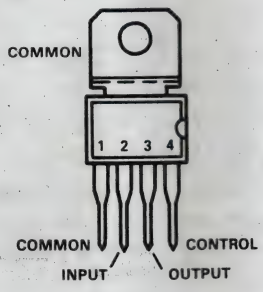


See Voltage Regulator Selector Guide Page 1-157

ECG952 TO-92 See Fig. L16
Precision 2.5 V Voltage Reference

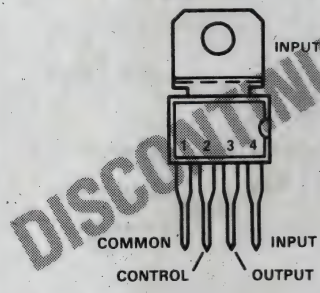


ECG953 TO-202, 4-Pin See Fig. L18
Pos VR, Adjustable 5 to 30 V, 1 A



Heat sink tabs connected to common through device substrate. Not recommended for direct electrical connection.

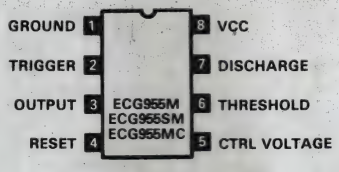
ECG954 TO-202, 4-Pin See Fig. L18
Neg VR, Adjustable –2.2 to –30 V, 1 A



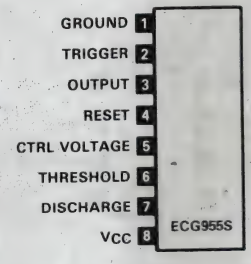
DISCONTINUED

Heat sink tabs connected to input through device substrate. Not recommended for direct electrical connection.

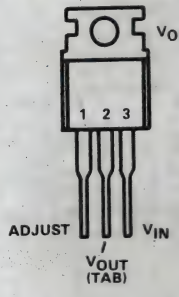
ECG955M 8-Pin DIP See Fig. L98
ECG955SM 8-Pin SOIC See Fig. L159
Timer/Oscillator
ECG955MC 8-Pin DIP See Fig. L97
Low Power Timer/Oscillator, CMOS Output



ECG955S 8-Pin SIP See Fig. L35
Timer/Oscillator

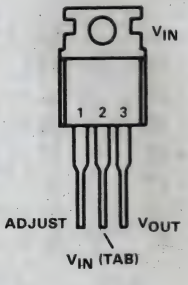


ECG956 TO-220 See Fig. L17
Pos VR, 1.2 to 37 V, 1.5 A



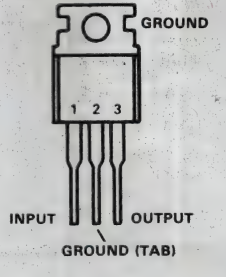
See Voltage Regulator Selector Guide Page 1-157

ECG957 TO-220 See Fig. L17
Neg VR, 1.2 to 37 V, 1.5 A



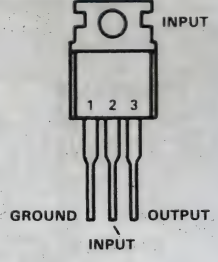
See Voltage Regulator Selector Guide Page 1-157

ECG958 TO-220 See Fig. L17
Pos VR, 18 V, 1 A
ECG960
Pos VR, 5 V, 1 A
ECG962
Pos VR, 6 V, 1 A
ECG964
Pos VR, 8 V, 1 A
ECG966
Pos VR, 12 V, 1 A
ECG968
Pos VR, 15 V, 1 A



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ECG959 TO-220 See Fig. L17
Neg VR, 18 V, 1 A
ECG961
Neg VR, 5 V, 1 A
ECG963
Neg VR, 6 V, 1 A
ECG965
Neg VR, 8 V, 1 A
ECG967
Neg VR, 12 V, 1 A
ECG969
Neg VR, 15 V, 1 A

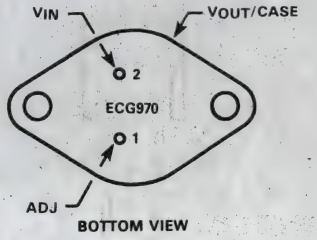


See Voltage Regulator Selector Guide Page 1-157

Package Outlines - See Page 1-269

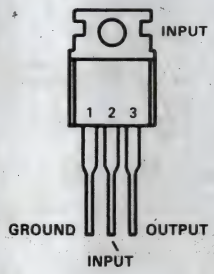
Linear IC and Module Circuits (cont'd)

ECG970 TO-3 See Fig. L11
Pos VR, 1.2 to 33 V, 3 A



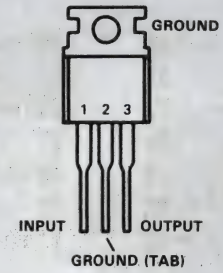
See Voltage Regulator Selector Guide Page 1-157

ECG971 TO-220 See Fig. L17
Neg VR, 24 V, 1 A



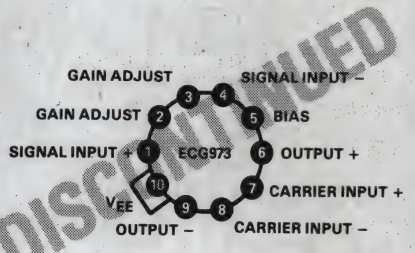
See Voltage Regulator Selector Guide Page 1-157

ECG972 TO-220 See Fig. L17
Pos VR, 24 V, 1 A



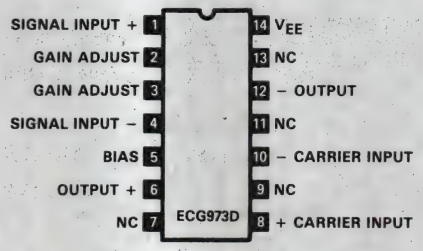
See Voltage Regulator Selector Guide Page 1-157

ECG973 10-Pin Can See Fig. L7
Balanced Mod/Demod

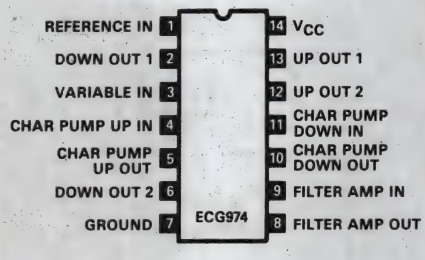


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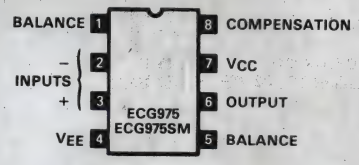
ECG973D 14-Pin DIP See Fig. L104
Balanced Mod/Demod



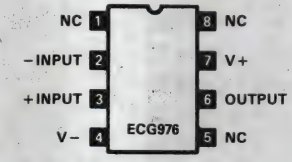
ECG974 14-Pin DIP See Fig. L104
Phase/Frequency Detector



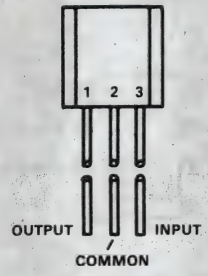
ECG975 8-Pin DIP See Fig. L98
ECG975SM 8-Pin SOIC See Fig. L159
Op Amp, Externally Compensated, Supply Voltage ±18 V Max



ECG976 8-Pin DIP See Fig. L97
Op Amp, Internally Compensated, Supply Voltage ±18 V Max

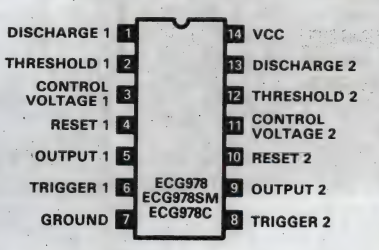


ECG977 TO-92 See Fig. L16
Pos VR, 5 V, 100 mA
ECG981
Pos VR, 8 V, 100 mA

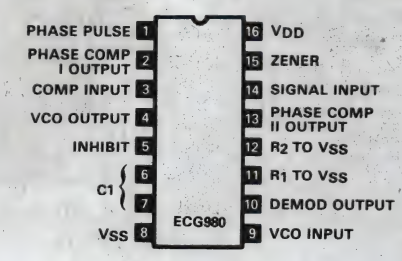


See Voltage Regulator Selector Guide Page 1-157

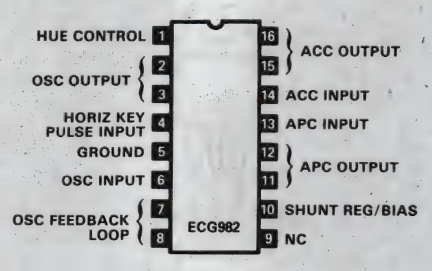
ECG978 14-Pin DIP See Fig. L104
ECG978SM 14-Pin SOIC See Fig. L160
Dual Timing Circuit
ECG978C 14-Pin DIP See Fig. L104
Dual Low Power Timer/Oscillator, CMOS Output



ECG980 16-Pin DIP See Fig. L111
CMOS Phase Locked Loop



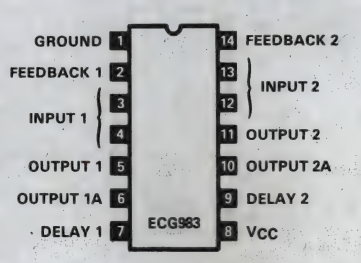
ECG982 16-Pin DIP See Fig. L111
Subcarrier Regenerator ACC, APC Detector



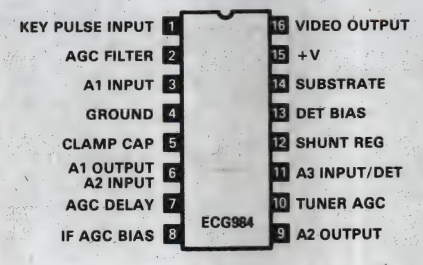
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

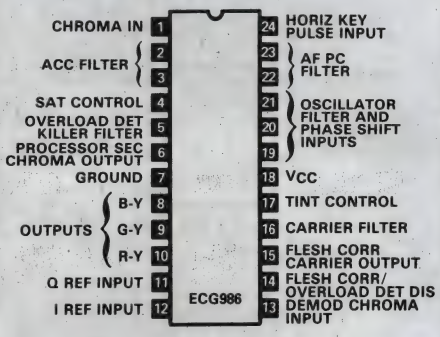
ECG983 14-Pin DIP See Fig. L104
Dual Audio Preamp



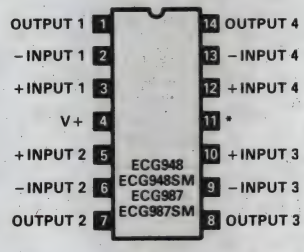
ECG984 16-Pin DIP See Fig. L111
(16-Pin DIP-Q See Alternate Fig. L113)
TV Video IF, AFT



ECG986 24-Pin DIP See Fig. L122
Chroma Processor and Demod

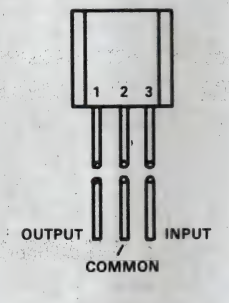


ECG987 14-Pin DIP See Fig. L104
ECG987SM 14-Pin SOIC See Fig. L160
Quad Op Amp



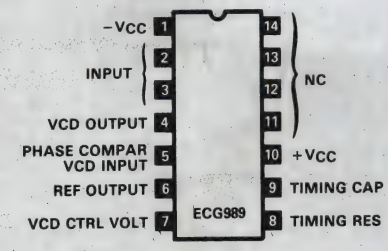
* ECG987, 987SM — Single Supply, Pin 11 = GND

ECG988 TO-92 See Fig. L16
Pos VR, 6.2 V, 100 mA

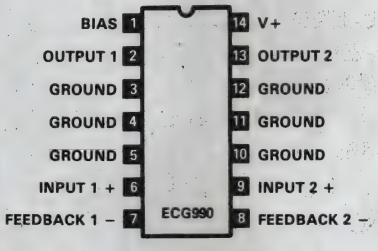


See Voltage Regulator Selector Guide Page 1-157

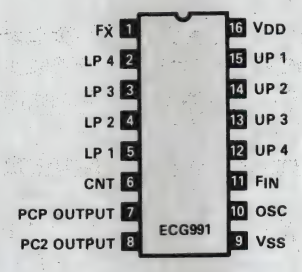
ECG989 14-Pin DIP See Fig. L104
PLL, Gen Purpose



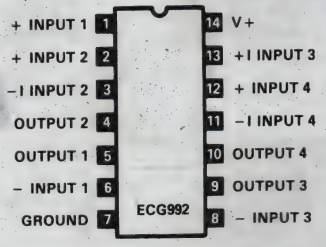
ECG990 14-Pin DIP-W See Fig. L106
Dual AF PO, 2 W



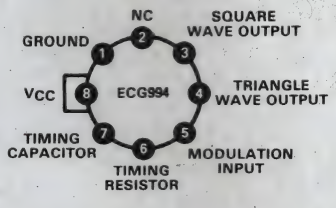
ECG991 16-Pin DIP See Fig. L112
CB PLL, Freq Synthesizer



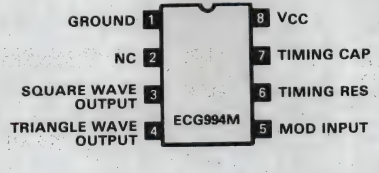
ECG992 14-Pin DIP See Fig. L104
4 Independent Amps, V+ = +32 V Max



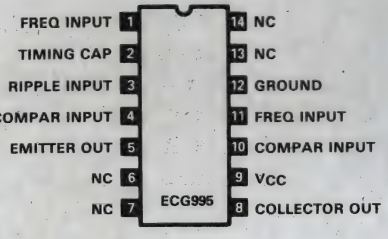
ECG994 8-Pin Can See Fig. L3
General Purpose Voltage Controlled Oscillator, Function Generator



ECG994M 8-Pin DIP See Fig. L97
General Purpose Voltage Controlled Oscillator, Function Generator



ECG995 14-Pin DIP See Fig. L104
Frequency to Voltage Converter



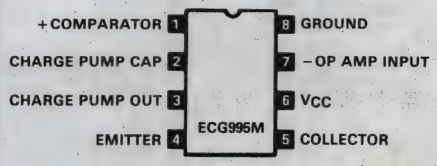
Package Outlines - See Page 1-269

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Linear IC and Module Circuits (cont'd)

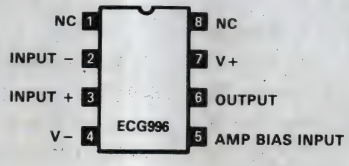
ECG995M 8-Pin DIP See Fig. L97

Frequency to Voltage Converter, V_{CC} = 12 V Typ



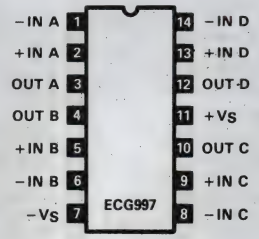
ECG996 8-Pin DIP See Fig. L97

Op Amp, V = ±15 V Typ



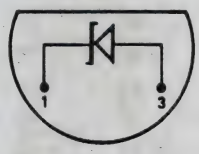
ECG997 14-Pin DIP See Fig. L104

Quad Op Amp, V_S = ±15 V Typ



ECG998 TO-92 See Fig. L16A

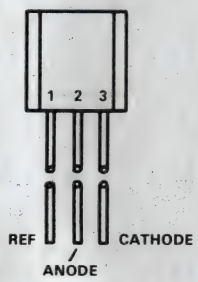
Precision 1.2 V Voltage Reference



(BOTTOM VIEW)

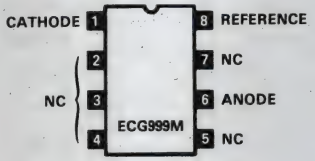
ECG999 TO-92 See Fig. L16

Adjustable Precision Shunt Regulator, VREF = 2.5 V, ADJ = VREF to 36 V



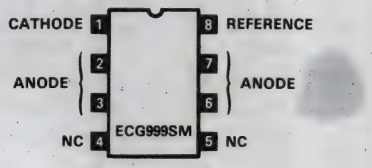
ECG999M 8-Pin DIP See Fig. L97

Adjustable Precision Shunt Regulator, VREF = 2.5 V, ADJ = VREF to 36 V



ECG999SM 8-Pin SOIC See Fig. L159

Adjustable Precision Shunt Regulator, VREF = 2.5 V, ADJ = VREF to 36 V

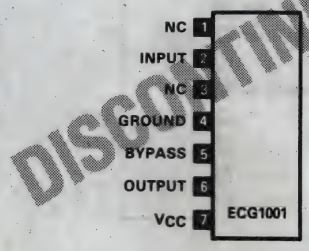


Package Outlines - See Page 1-269

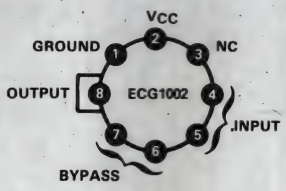
Linear IC and Module Circuits (cont'd)

ECG1000 7-Pin SIP See Fig. L30
Mod-Hybrid, Lo-Noise 12-Volt AF Preamp
ECG1001
Mod-Hybrid, Lo-Noise 6-Volt AF Preamp

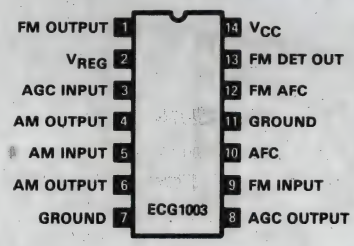
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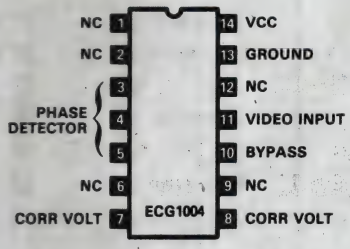
ECG1002 8-Pin Can See Fig. L3
FM/TV IF Amp



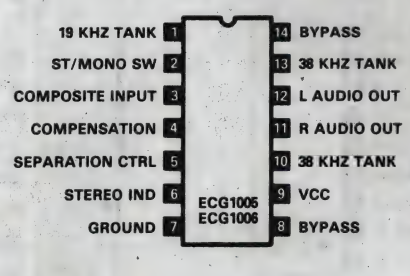
ECG1003 14-Pin DIP See Fig. L104
FM/AM IF Amp



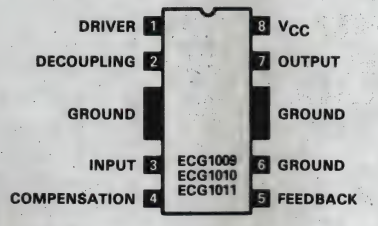
ECG1004 14-Pin DIP See Fig. L105
AFT System for TV



ECG1005, ECG1006 14-Pin DIP See Fig. L104
FM Stereo Demod, V_{CC} = 6 V Typ

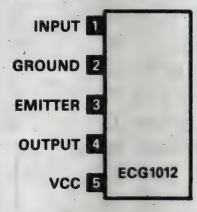


ECG1009 8-Pin DIP-W See Fig. L127
1 W AF Amp
ECG1010
2 W AF Amp
***ECG1011**
3 W AF Amp

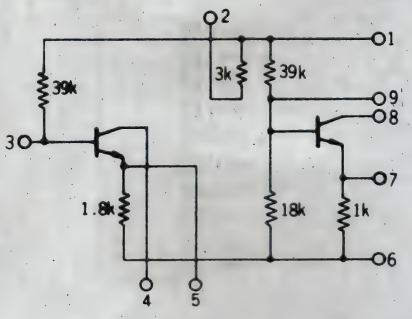


* ECG1011 Discontinued

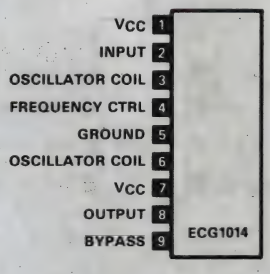
ECG1012 5-Pin SIP See Fig. L20
Mod-Hybrid, CB Osc/AM IF, V_{CC} = 3.2 V Typ



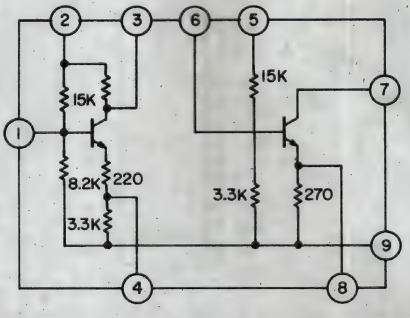
ECG1013 9-Pin ZIL See Fig. L37
Mod-Hybrid, AM IF Amp/AF Preamp



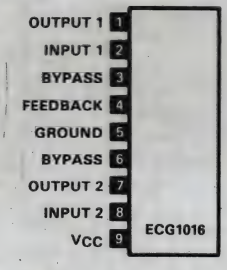
ECG1014 9-Pin ZIL See Fig. L38
Mod-Hybrid, RF Amp/Osc of FM Wireless Mic



ECG1015 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise AF Preamp



ECG1016 9-Pin ZIL See Fig. L37
Mod-Hybrid, AF Preamp

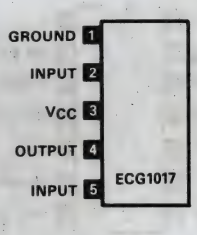


Package Outlines - See Page 1-269

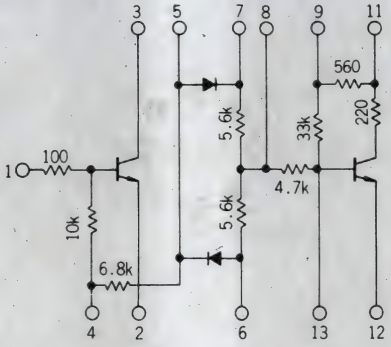
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Linear IC and Module Circuits (cont'd)

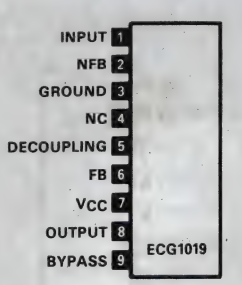
ECG1017 5-Pin ZIL See Fig. L21
Mod-Hybrid, AF Amp for Wireless Mic



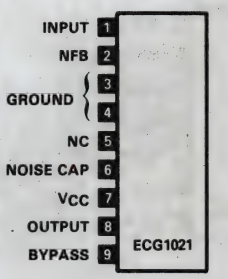
ECG1018 13-Pin ZIL See Fig. L44
Mod-Hybrid, Hor Osc/AFC



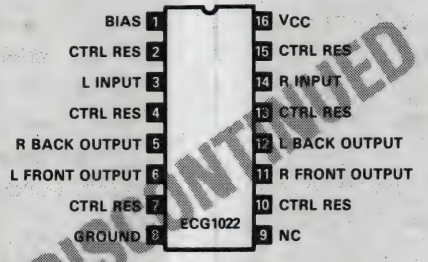
ECG1019 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise Audio Equalizing Amp



ECG1021 9-Pin ZIL See Fig. L37
Mod-Hybrid, Lo-Noise Audio Equalizing Amp, V_{CC} = 9 V

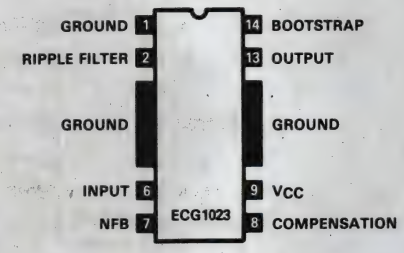


ECG1022 16-Pin ZIL See Fig. L112
4-Channel Stereo Matrix Decoder

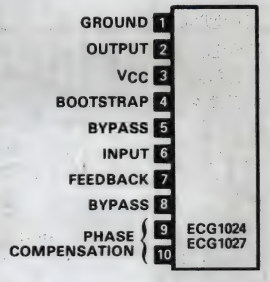


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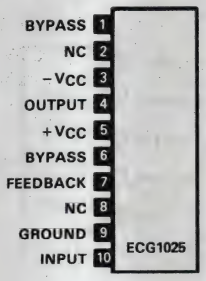
ECG1023 14-Pin DIP-W See Fig. L134
4 W Audio Amp



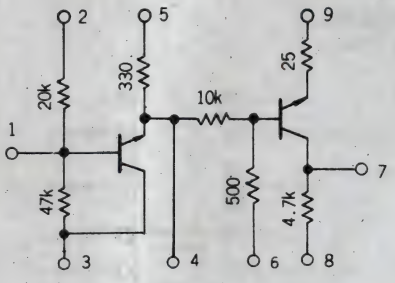
ECG1024 10-Pin SIP-M See Fig. L63
Mod-Hybrid, 8 W Audio Amp



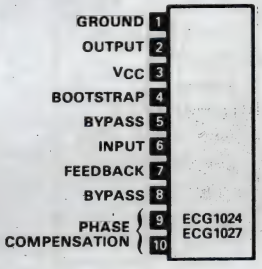
ECG1025 10-Pin SIP-M See Fig. L65
Mod-Audio 10 W Min Pwr Amp



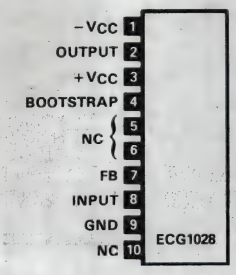
ECG1026 9-Pin ZIL See Fig. L37
Mod-Hybrid, Master Osc/Buffer for Organs



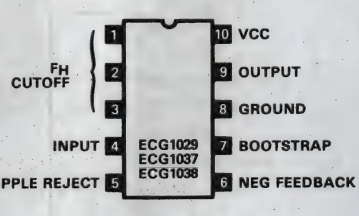
ECG1027 10-Pin SIP-M See Fig. L63
Mod-Hybrid, 13 W Audio Amp



ECG1028 10-Pin SIP-M See Fig. L66
Mod-Hybrid, 20 W Min Audio Amp



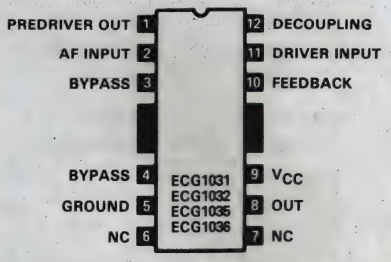
ECG1029 10-Pin DIP-HS See Fig. L155
3.5 W Audio Amp, V_{CC} = 13.2 V Typ



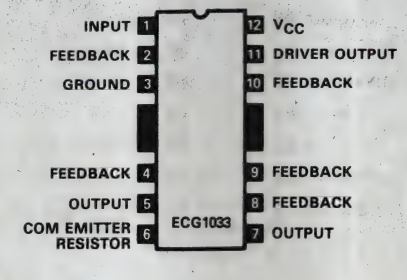
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

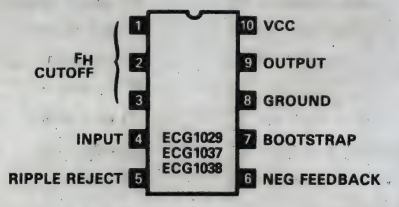
ECG1031 12-Pin DIP-W See Fig. L129
0.5 W Audio Amp
ECG1036
0.7 W Audio Amp
ECG1032, ECG1035
1 W Audio Amp



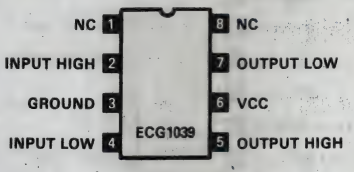
ECG1033 12-Pin DIP-W See Fig. L129
1 W Audio Amp



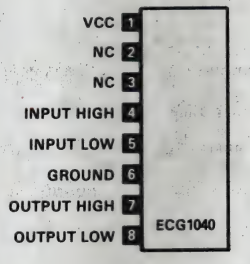
ECG1037 10-Pin DIP-HS See Fig. L155
5.5 W Audio Amp, V_{CC} = 13.2 V Typ
ECG1038 10-Pin DIP-HS See Fig. L156
3.5 W Audio Amp, V_{CC} = 13.2 V Typ



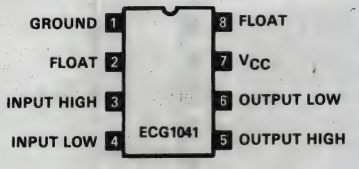
ECG1039 8-Pin DIP See Fig. L97
FM IF Amp



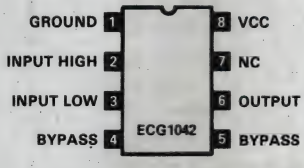
ECG1040 8-Pin SIP See Fig. L34
Mod-FM IF Amp



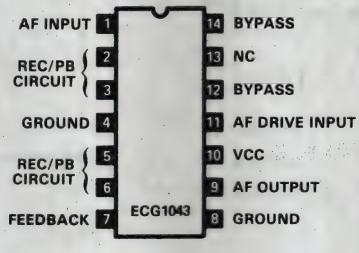
ECG1041 8-Pin DIP See Fig. L97
IF Amp



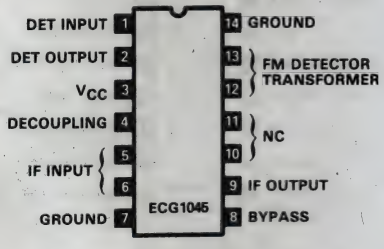
ECG1042 8-Pin DIP See Fig. L97
3 Stage FM IF Amp



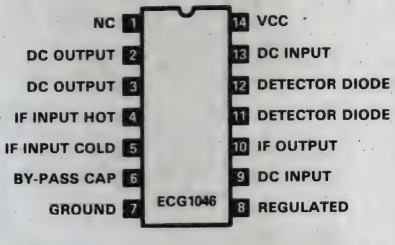
ECG1043 14-Pin DIP See Fig. L104
Audio Preamp and 1 W Audio Output



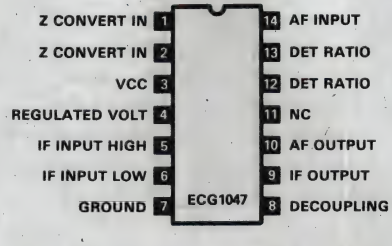
ECG1045 14-Pin DIP See Fig. L104
FM/TV Sound IF Detector/Amp



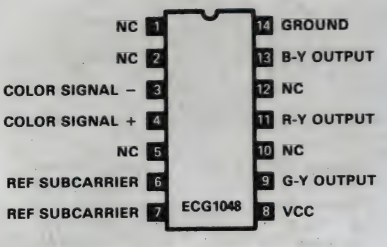
ECG1046 14-Pin DIP See Fig. L104
TV AFT



ECG1047 14-Pin DIP See Fig. L104
TV Sound IF/FM Det/AF Preamp



ECG1048 14-Pin DIP-ET See Fig. L145
Chroma Demod

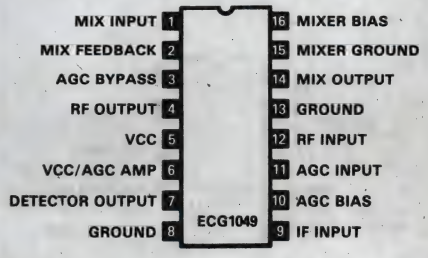


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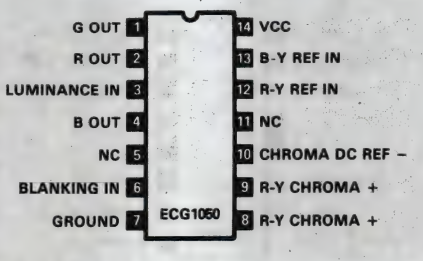
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

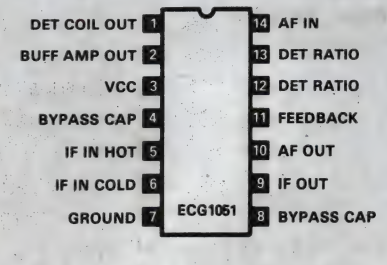
ECG1049 16-Pin DIP See Fig. L112
AM Radio Tuner with RF Amp, V_{CC} = 10 V Typ



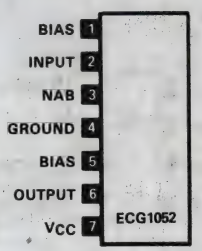
ECG1050 14-Pin DIP-ET See Fig. L145
Chroma Demod



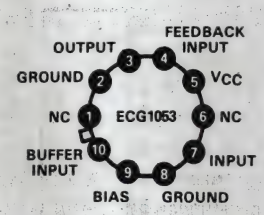
ECG1051 14-Pin DIP See Fig. L104
TV Sound IF/FM Det/AF Preamp



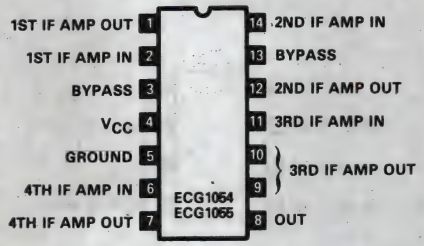
ECG1052 7-Pin SIP See Fig. L25
Mod-Lo-Noise Audio Preamp and Equalizer



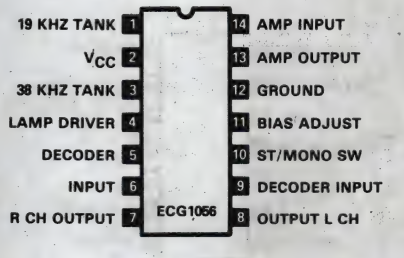
ECG1053 10-Pin Can See Fig. L8
Lo-Noise/Hi-Gain Audio Preamp



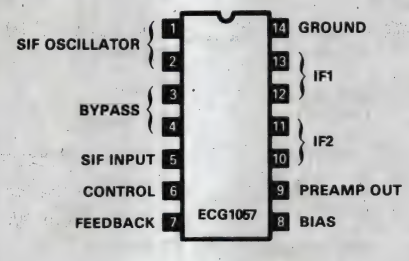
ECG1054, ECG1055 14-Pin DIP See Fig. L104
AM/FM IF Amp



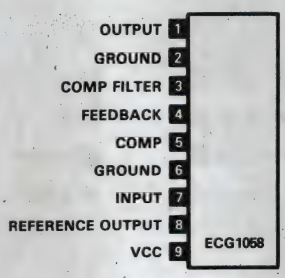
ECG1056 14-Pin DIP See Fig. L104
FM Stereo Demod



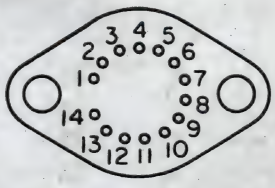
ECG1057 14-Pin DIP See Fig. L104
FM IF Amp/Det/AF Preamp



ECG1058 9-Pin SIP See Fig. L51
Audio Preamp and 4.4 W Pwr Amp,
V_{CC} = 13 V Typ

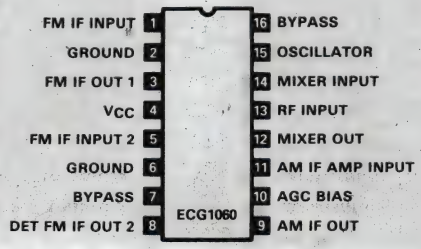


ECG1059 TO-3, 14-Pin See Fig. L15
AF Pwr Driver, V_{CC} = ±16 V Typ

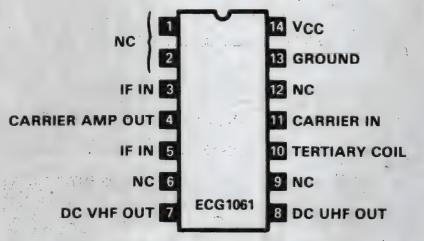


1. NEG DRIVE OUT
2. OUT
3. POS DRIVE OUT
4. +V_{CC}
5. BIAS CONTROL
6. BIAS CONTROL
7. DECOUPLING
8. RIPPLE FILTER
9. SIGNAL INPUT
10. NEG FEEDBACK
11. RIPPLE FILTER
12. POS FEEDBACK
13. PHASE COMP
14. –V_{CC}, CASE

ECG1060 16-Pin DIP See Fig. L111
AM RF Amp/Mxr/Osc and AF/FM IF Amp



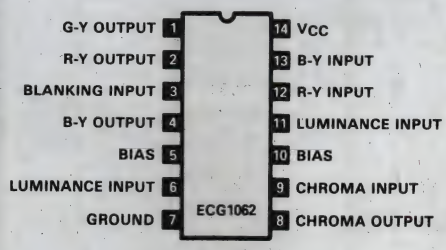
ECG1061 14-Pin DIP See Fig. L104
TV AFT



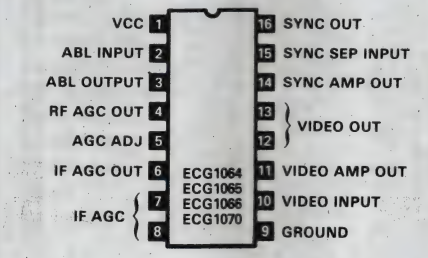
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

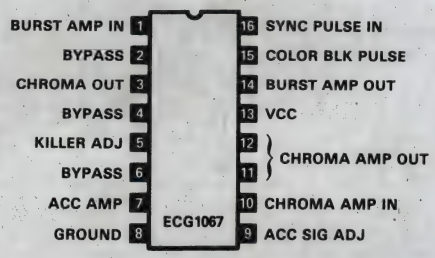
ECG1062 14-Pin DIP See Fig. L104
Chroma Demod



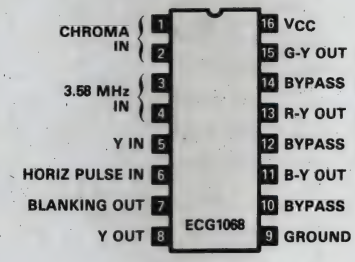
ECG1064, ECG1065, ECG1066, ECG1070 16-Pin DIP See Fig. L111
TV Vid Sig Processor



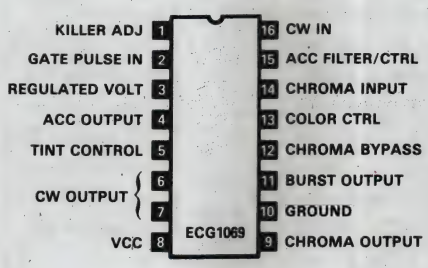
ECG1067 16-Pin DIP See Fig. L111
Chroma Sig Processor, V_{CC} = 12 V Typ



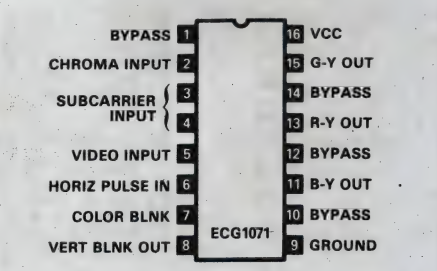
ECG1068 16-Pin DIP See Fig. L111
Chroma Demod, V_{CC} = 12 V Typ



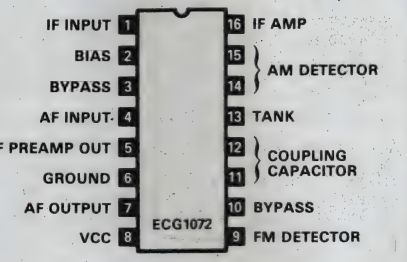
ECG1069 16-Pin DIP See Fig. L112
Chroma Processor, V_{CC} = 12 V Typ



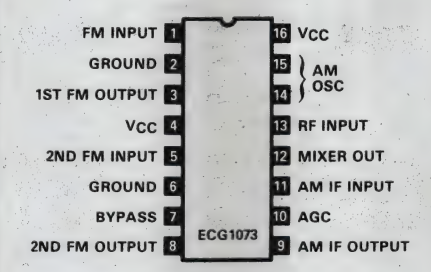
ECG1071 16-Pin DIP See Fig. L111
Chroma Demod, V_{CC} = 12 V Typ



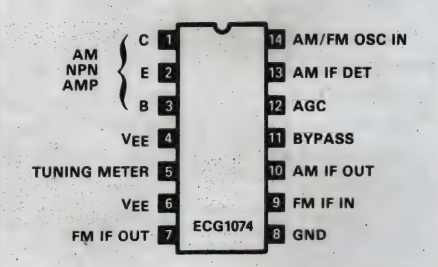
ECG1072 16-Pin DIP See Fig. L111
FM/AM IF Amp and AF Preamp, V_{CC} = 5 V Typ



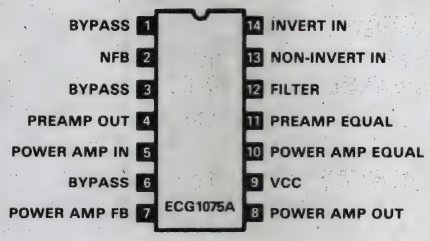
ECG1073 16-Pin DIP See Fig. L111
AM/RF Amp/Mxr/Osc and FM/AM IF Amp, V_{CC} = 8 V Typ



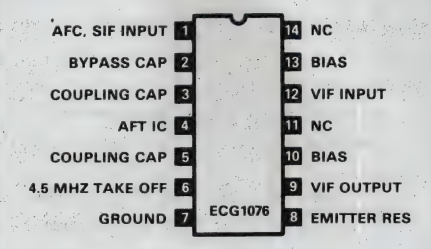
ECG1074 14-Pin DIP See Fig. L104
FM/AM IF Amp/AM/Mxr/Osc and Tuning Meter Dr, V_{EE} = 6 V Typ



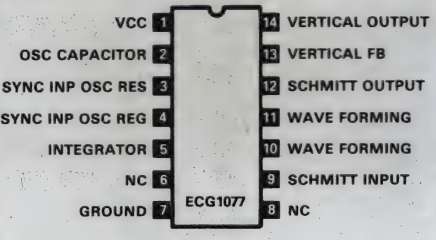
ECG1075A 14-Pin DIP-ET See Fig. L145
1.0 W Audio Amp, V_{CC} = 20 V Max



ECG1076 14-Pin DIP See Fig. L104
TV Vid IF, Output Detector, AFT, Take-Off Ckt



ECG1077 14-Pin DIP See Fig. L104
Vert Osc, AFC/Vert Dr

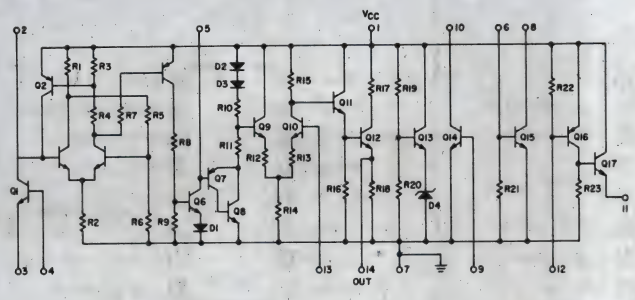


Package Outlines - See Page 1-269

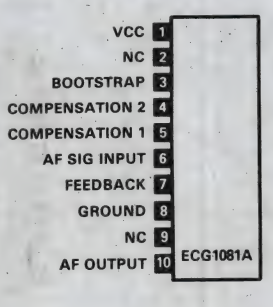
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Linear IC and Module Circuits (cont'd)

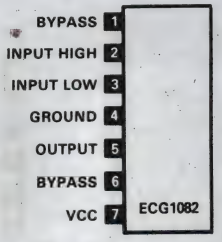
ECG1079 14-Pin DIP See Fig. L104
Vert Osc/Dr, V_{CC} = 7.7 V Typ



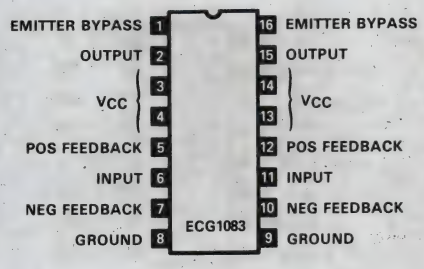
ECG1081A 10-Pin SIP-HS See Fig. L90
4.8 W Audio Amp



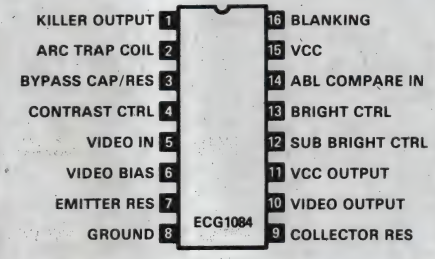
ECG1082 7-Pin SIP See Fig. L25
Mod-AF Equalizer and Preamp



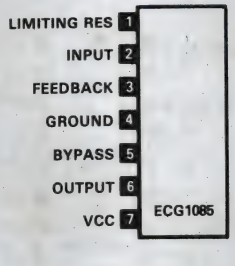
ECG1083 16-Pin (Dual 8) See Fig. L110
Mod-Hybrid, Dual Hi-Gain Audio Preamp, V_{CC} = 12 VDC Typ



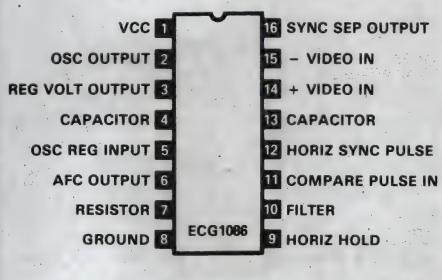
ECG1084 16-Pin DIP See Fig. L112
Vid Output, ARC, Brightness Lim, DC Contrast Control



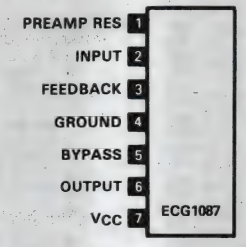
ECG1085 7-Pin SIP See Fig. L24
Lo-Noise Audio Preamp, V_{CC} = 35 V Typ



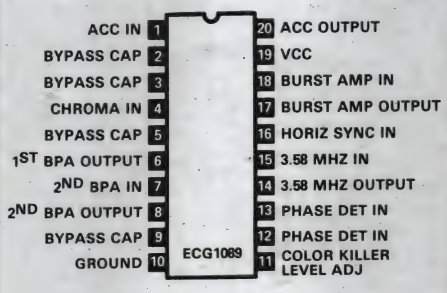
ECG1086 16-Pin DIP See Fig. L112
TV Sync Sep/Hor Osc/AFC



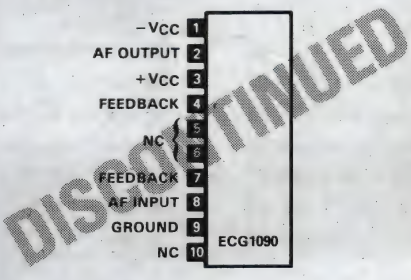
ECG1087 7-Pin SIP See Fig. L24
Mod-Gen Purp Lo-Noise/Hi-Gain Audio Preamp



ECG1089 20-Pin DIP See Fig. L118
Chroma Sig Processor

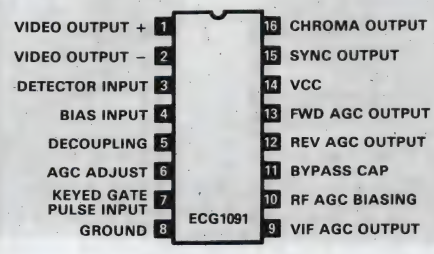


ECG1090 10-Pin SIP-M See Fig. L66
Mod-Hybrid, 25 W Audio Amp

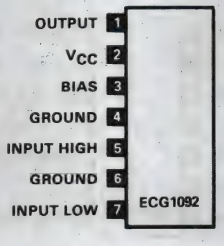


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ECG1091 16-Pin DIP See Fig. L112
1st Vid Amp/Inv, AGC Gate/Amp, Color Take-Off



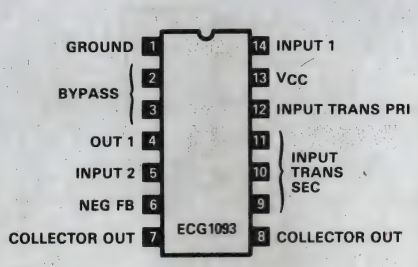
ECG1092 7-Pin SIP See Fig. L25
Mod-RF/IF Amp to 150 MHz



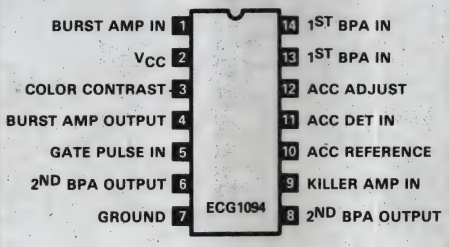
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

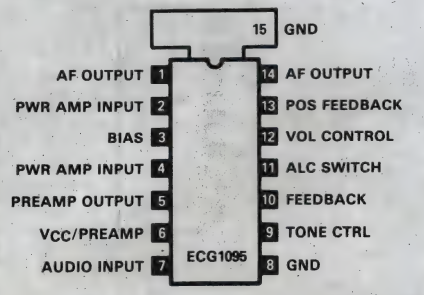
ECG1093 14-Pin DIP-ET See Fig. L145
Audio Preamp/1 W Pwr Output, V_{CC} = 6 V Typ



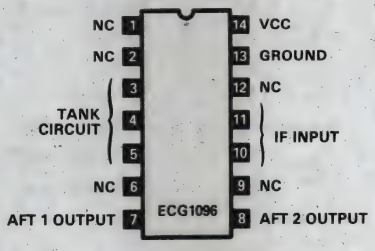
ECG1094 14-Pin DIP See Fig. L104
TV Chroma Amp



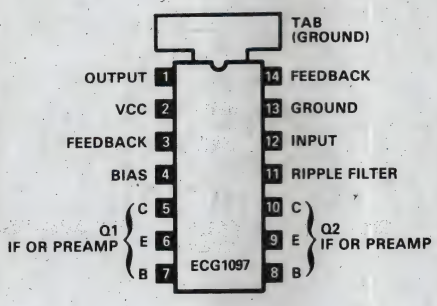
ECG1095 14-Pin DIP-ET See Fig. L143
Audio Preamp/Dr/1 W Pwr Output, V_{CC} = 7.5 V Typ



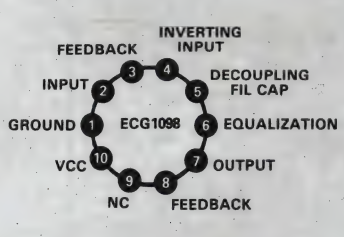
ECG1096 14-Pin DIP-ET See Fig. L143
TV AFT, V_{CC} = 18 V Typ



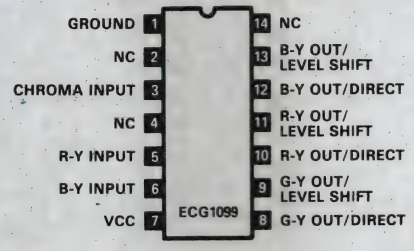
ECG1097 14-Pin DIP-ET See Fig. L143
1 W Audio Amp Plus 2 Transistors, V_{CC} = 9 V Typ



ECG1098 TO-3, 10-Pin See Fig. L14
5 W Audio Amp



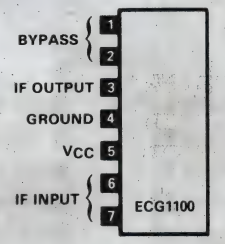
ECG1099 14-Pin DIP See Fig. L104
Chroma Demod, V_{CC} = 24 V Typ



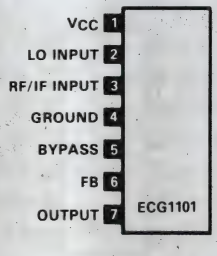
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

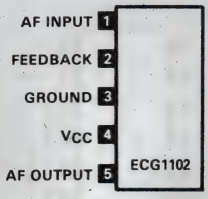
ECG1100 7-Pin SIP See Fig. L24
Mod-FM IF Amp



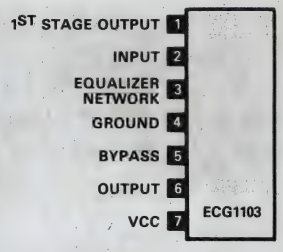
ECG1101 7-Pin SIP See Fig. L24
Mod-Gen Purp Amp, DC to 100 MHz



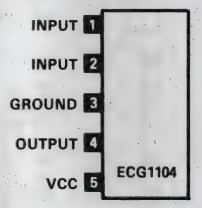
ECG1102 5-Pin SIP See Fig. L23
Mod-3 Stage Audio Amp/Dr, V_{CC} = 12 V Typ



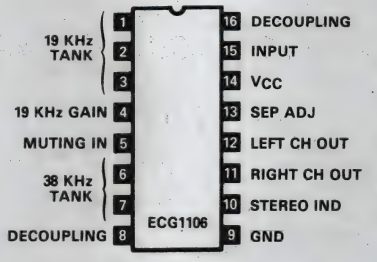
ECG1103 7-Pin SIP See Fig. L24
Mod-Gen Purp Audio Preamp/Voltage Amp, V_{CC} = 8 V Typ



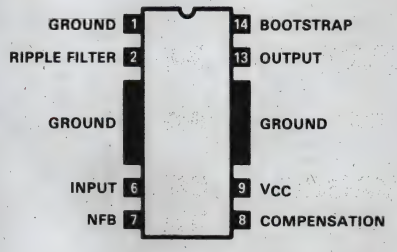
ECG1104 5-Pin SIP See Fig. L23
Mod-Hi-Freq Amp to 100 MHz, V_{CC} = 15 V Max



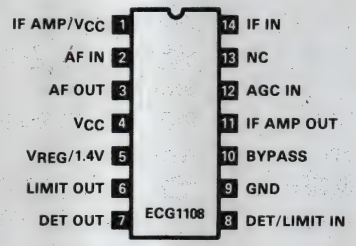
ECG1106 16-Pin DIP See Fig. L112
FM Stereo Demod, V_{CC} = 5 V Typ



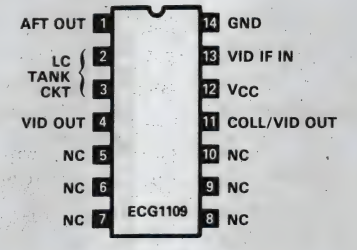
ECG1107 14-Pin DIP-W See Fig. L134
4.8 W Audio Amp



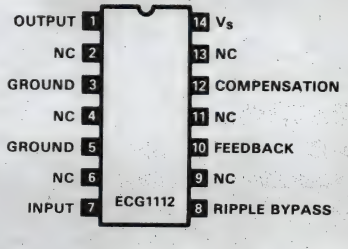
ECG1108 14-Pin DIP See Fig. L104
AM/FM IF Amp/Det/AF Amp, V_{CC} = 5 V



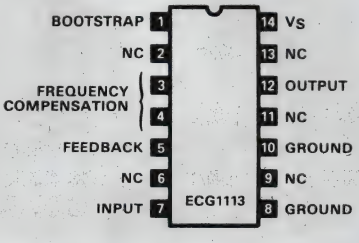
ECG1109 14-Pin DIP See Fig. L105
Lo-Level Vid Det, V_{CC} = 20 V



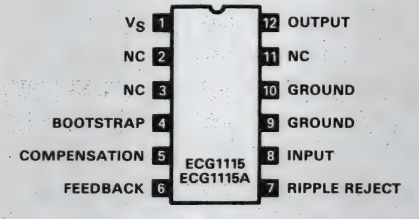
ECG1112 14-Pin DIP See Fig. L104
2.2 W Audio Amp, V_S = 18 V, R_L = 16 Ω



ECG1113 14-Pin DIP-Q See Fig. L107
2.1 W Audio Amp, V_S = 15 V Max, R_L = 8 Ω



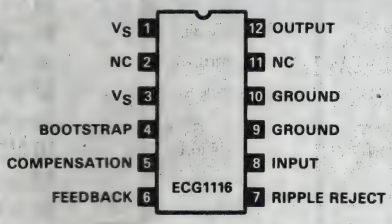
ECG1115 12-Pin DIP-W See Fig. L130
ECG1115A 12-Pin DIP-QW See Fig. L131
7 W Audio Amp



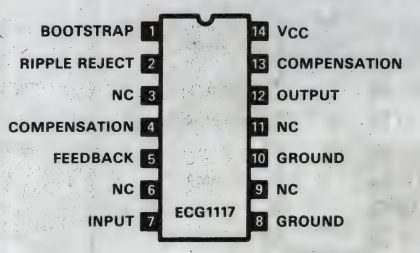
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

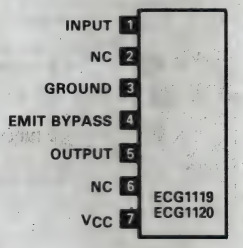
ECG1116 12-Pin DIP-QW See Fig. L131
5 W Audio Amp



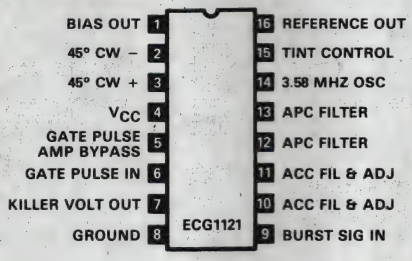
ECG1117 14-Pin DIP-Q See Fig. L107
2 W Audio Amp, V_{CC} = 16 V Max



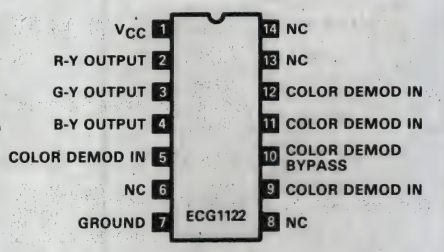
ECG1119, ECG1120 7-Pin SIP See Fig. L30
Mod-Hybrid, Audio Amp/Dr, V_{CC} = 12 V Typ



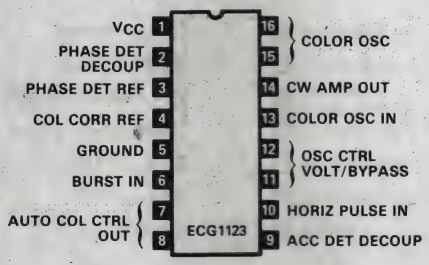
ECG1121 16-Pin DIP See Fig. L111
Chroma Sync System



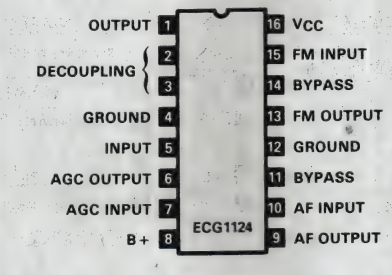
ECG1122 14-Pin DIP See Fig. L104
Chroma Demod



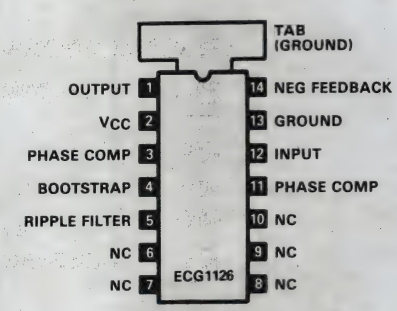
ECG1123 16-Pin DIP See Fig. L111
TV Subcarrier Generator, V_{CC} = 12 V Typ



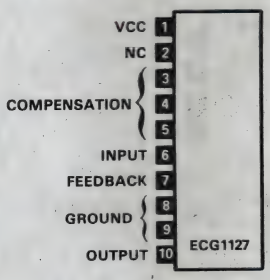
ECG1124 16-Pin DIP See Fig. L112
AM/FM IF Amp, V_{CC} = 5 V Typ



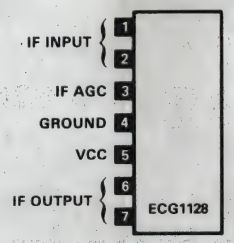
ECG1126 14-Pin DIP-ET See Fig. L143
1 W Audio Amp, V_{CC} = 9 V Typ



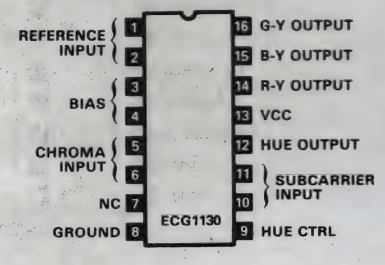
ECG1127 10-Pin SIP-HS See Fig. L90
4.5 W Audio Amp



ECG1128 7-Pin SIP See Fig. L24
TV Vid IF



ECG1130 16-Pin DIP See Fig. L112
Chroma Demod/Matrix Hue Cntrl, V_{CC} = 15 V Typ

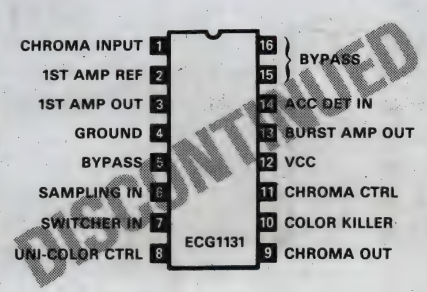


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Package Outlines - See Page 1-269

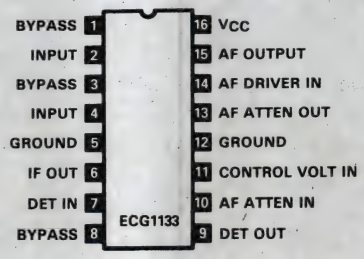
Linear IC and Module Circuits (cont'd)

ECG1131 16-Pin DIP See Fig. L112
Chroma/Sig Amp/Processor, V_{CC} = 15 V Typ

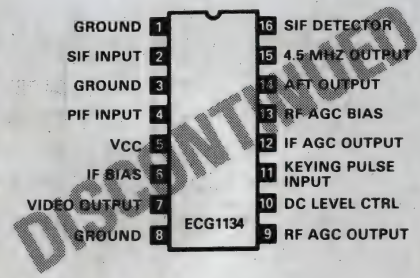


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ECG1133 16-Pin DIP See Fig. L112
TV Sound IF/Det, V_{CC} = 12 V Typ

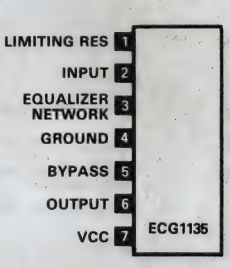


ECG1134 16-Pin DIP See Fig. L112
TV Vid Processor, V_{CC} = 12 V Typ

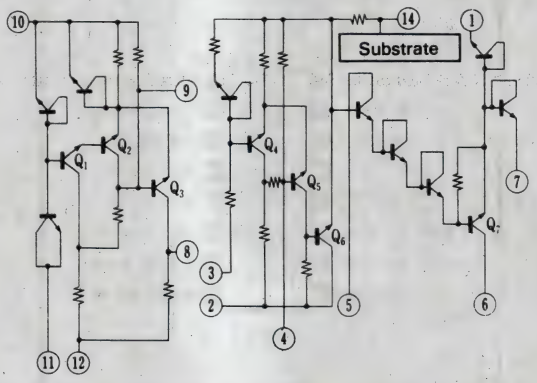


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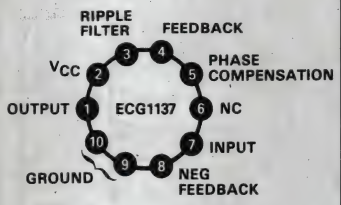
ECG1135 7-Pin SIP See Fig. L26
Hi-Gain Audio Preamp,
V_{CC} = 12 V Typ



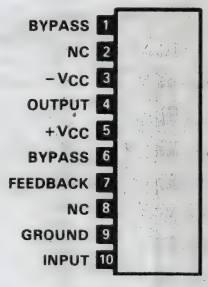
ECG1136 14-Pin DIP See Fig. L104
Battery Protect Ckt



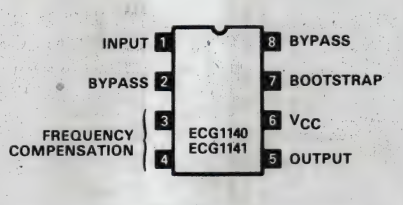
ECG1137 10-Pin Can See Fig. L8
1.3 W Audio Amp



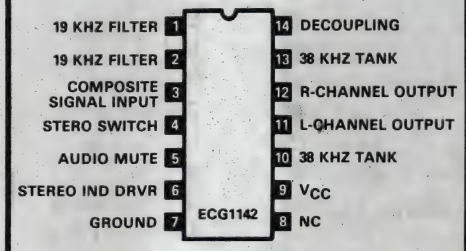
ECG1139 10-Pin SIP-M See Fig. L65
Mod-Audio 13 W Min Pwr Amp



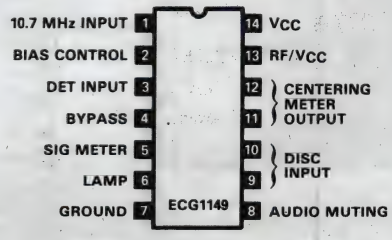
ECG1140 8-Pin DIP-ET See Fig. L137
2.0 W Audio Amp, V_{CC} = 13.2 V Typ
ECG1141
1.5 W Audio Amp, V_{CC} = 13.2 V Typ



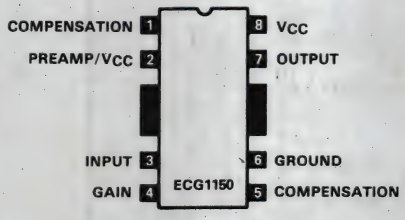
ECG1142 14-Pin DIP See Fig. L104
FM Multiplex Stereo Demodulator



ECG1149 14-Pin DIP See Fig. L105
FM Tuning System and Indicator, V_{CC} = 12 V



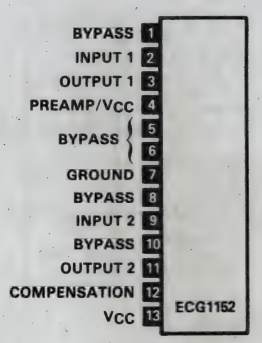
ECG1150 8-Pin DIP-W See Fig. L127
AF PO, 2.5 W, V_{CC} = 17 V



Package Outlines - See Page 1-269

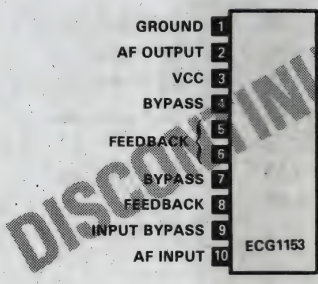
Linear IC and Module Circuits (cont'd)

ECG1152 13-Pin ZIL See Fig. L44
Mod-AF Preamp, High Gain, V_{CC} = 15.5 V

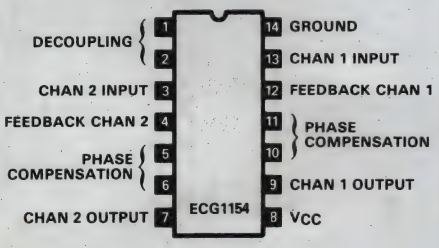


ECG1153 10-Pin SIP-HS See Fig. L85
AF PO, 4.2 W, V_{CC} = 12.5 V Typ

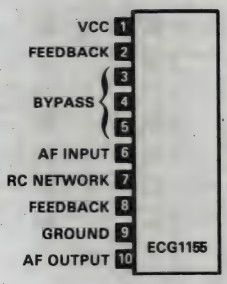
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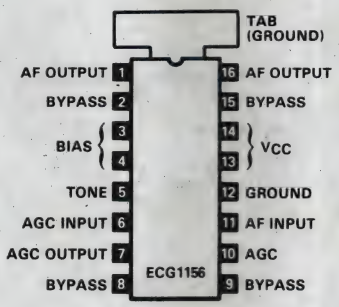
ECG1154 14-Pin DIP-W See Fig. L133
AF PO, 2-Channel, 2 W/Channel,
V_{CC} = 14 V Typ



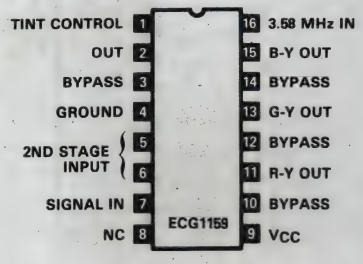
ECG1155 10-Pin SIP-HS See Fig. L85
AF PO, 5.8 W, V_{CC} = 18 V Max



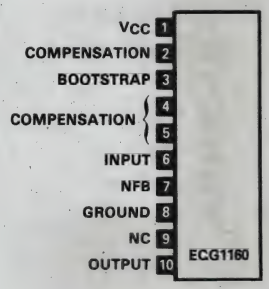
ECG1156 16-Pin DIP-ET See Fig. L150
AF PO, 2 W, V_{CC} = 9 V Typ



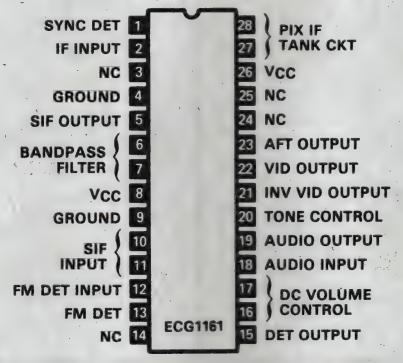
ECG1159 16-Pin DIP See Fig. L111
Color Demodulator



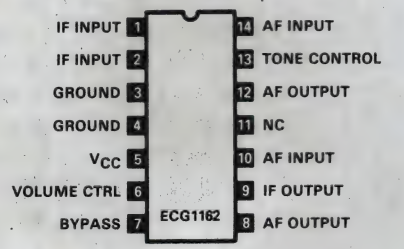
ECG1160 10-Pin SIP-HS See Fig. L90
AF PO, 5.2 W, V_{CC} = 13.2 V



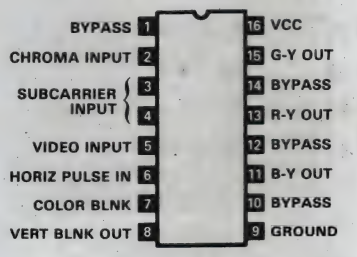
ECG1161 28-Pin DIP See Fig. L124
Video and Sound IF Combination,
V_{CC} = 12 V Typ



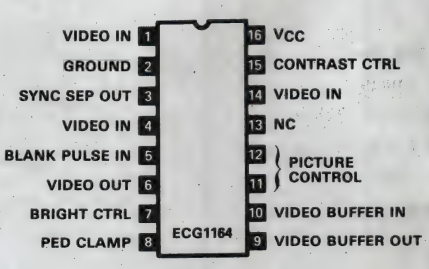
ECG1162 14-Pin DIP See Fig. L104
IF, Detector and Audio Preamp



ECG1163 16-Pin DIP See Fig. L111
TV Color Demodulator

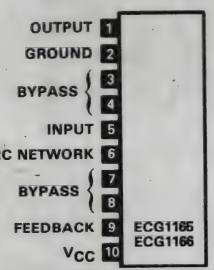


ECG1164 16-Pin DIP See Fig. L111
TV Video Sig Processing Circuit
V_{CC} = 12 V Typ



ECG1165 10-Pin SIP-HS See Fig. L87
Modulator/Audio Output, Stereo and CB,
4.5 W, V_{CC} = 13.2 V Typ

ECG1166
Modulator/Audio Output, Stereo and CB,
5.8 W, V_{CC} = 13.2 V Typ

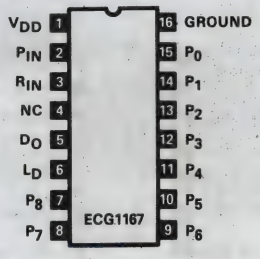


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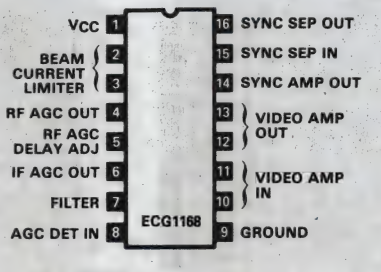
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

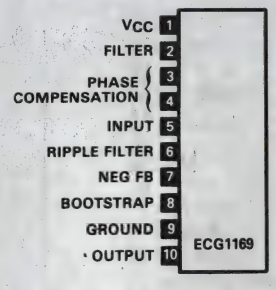
ECG1167 16-Pin DIP See Fig. L111
CMOS PLL Frequency Synthesizer



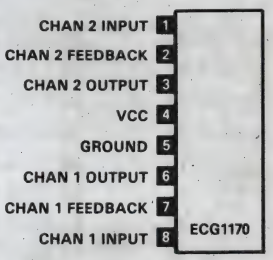
ECG1168 16-Pin DIP See Fig. L111
Video Processor, V_{CC} = 12 V Typ



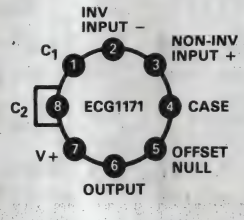
ECG1169 10-Pin SIP-HS See Fig. L83
Audio Output/Modulator, V_{CC} = 13.2 V



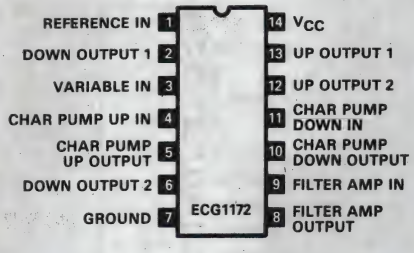
ECG1170 8-Pin SIP See Fig. L33
Audio Preamp (Dual)



ECG1171 8-Pin Can See Fig. L3
Op Amp

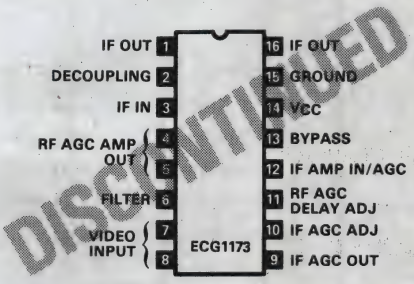


ECG1172 14-Pin DIP See Fig. L104
Phase Frequency Detector for PLL

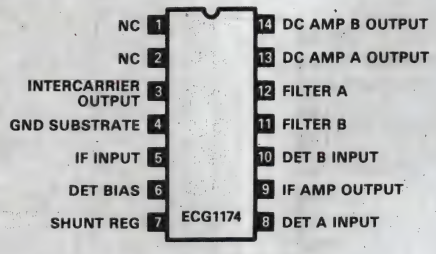


ECG1173 16-Pin DIP See Fig. L112
TV Video IF Amp and AGC, V_{CC} = 12 V Typ

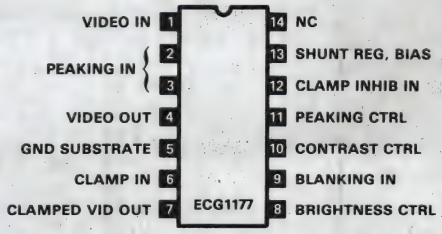
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ECG1174 14-Pin DIP-Q See Fig. L107
TV Automatic Fine Tuning



ECG1177 14-Pin DIP See Fig. L104
TV Luminance Processor



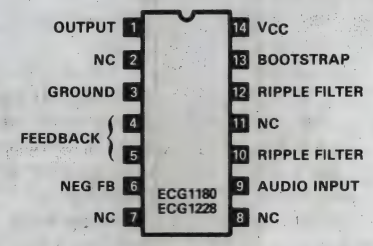
ECG1179 8-Pin DIP See Fig. L97
Audio Preamp, V_{CC} = 5.5 V Typ



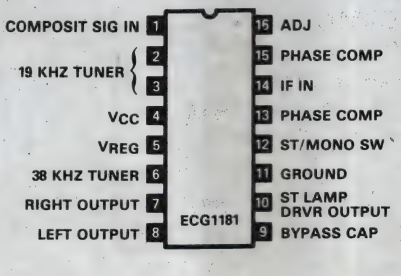
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

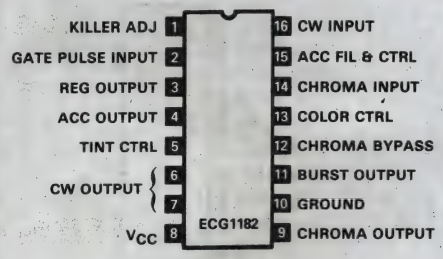
ECG1180 14-Pin DIP-ET See Fig. L144
Audio Pwr Output, 1.5 W, V_{CC} = 7.5 V Typ



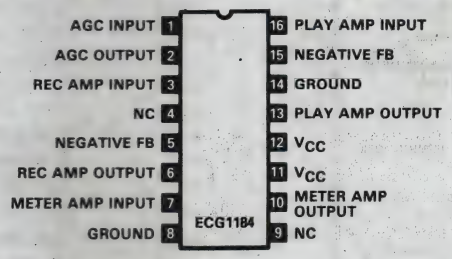
ECG1181 16-Pin DIP See Fig. L111
MPX Decoder, V_{CC} = 6 V Typ



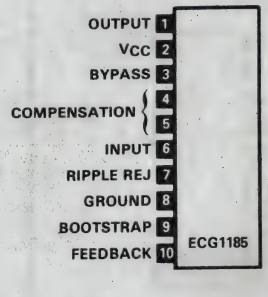
ECG1182 16-Pin DIP See Fig. L111
Chroma Sig Processor



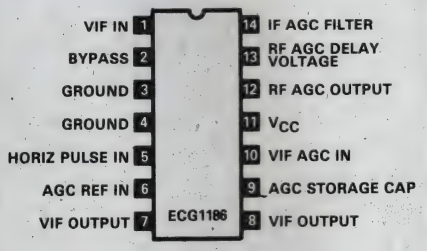
ECG1184 16-Pin DIP See Fig. L111
Audio Preamp



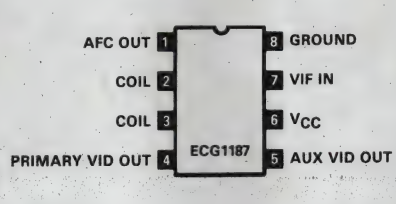
ECG1185 10-Pin SIP-HS See Fig. L90
3.5 W Audio Output, V_{CC} = 18 V, R_L = 8 Ω



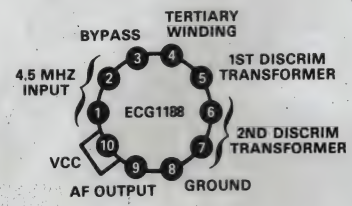
ECG1186 14-Pin DIP See Fig. L104
Vid IF and Keyed AGC



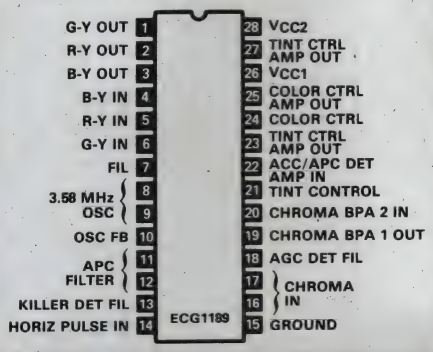
ECG1187 8-Pin DIP See Fig. L97
Vid Det/Amp



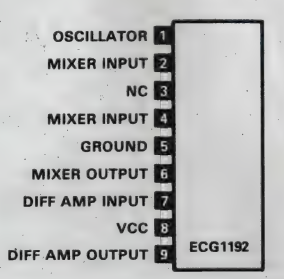
ECG1188 10-pin Can See Fig. L7
TV Sound IF Amp and Disc



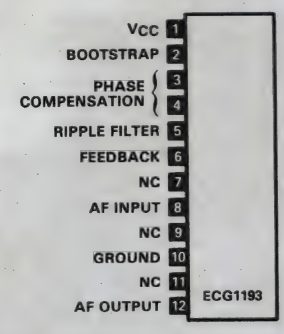
ECG1189 28-Pin DIP See Fig. L124
TV Chroma Processor, V_{CC1} = 12 V Typ, V_{CC2} = 18 V Typ



ECG1192 9-Pin SIP See Fig. L39
CB Voltage Controlled Oscillator and Mixer



ECG1193 12-Pin SIP-HS See Fig. L91
4.5 W Audio Output, V_{CC} = 13.2 V, R_L = 4 Ω

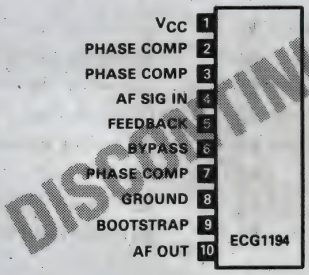


Package Outlines - See Page 1-269

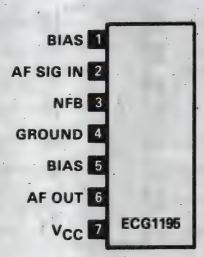
Linear IC and Module Circuits (cont'd)

ECG1194 10-Pin SIP-HS See Fig. L89
5.8 W Audio Output, CB

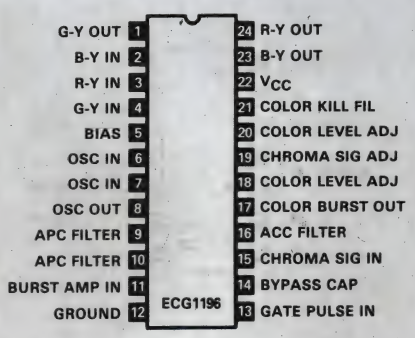
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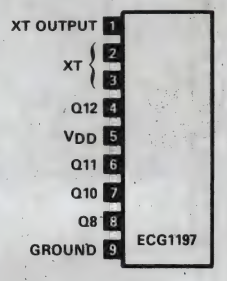
ECG1195 7-Pin SIP See Fig. L25
Lo-Noise Audio Preamp



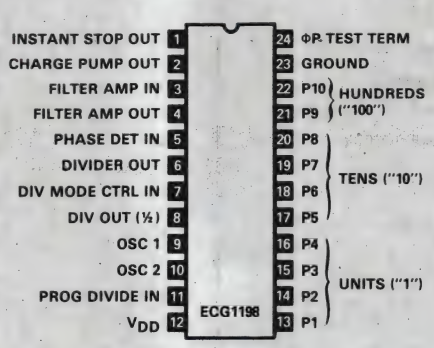
ECG1196 24-Pin DIP See Fig. L122
Chroma Processor and Demodulator



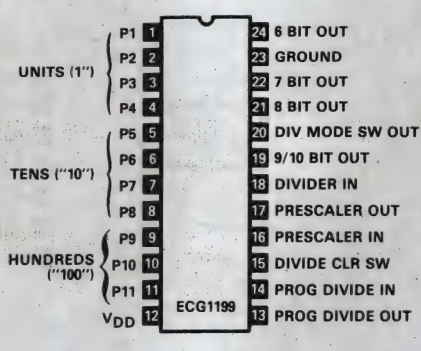
ECG1197 9-Pin SIP See Fig. L39
CMOS Freq Divider and Amp



ECG1198 24-Pin DIP See Fig. L122
CMOS Frequency Divider



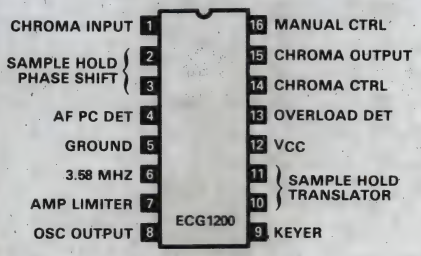
ECG1199 24-Pin DIP See Fig. L122
CMOS Frequency Divider



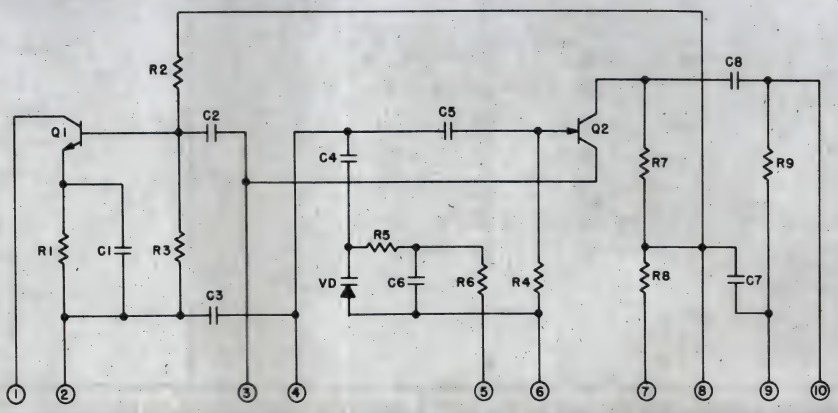
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

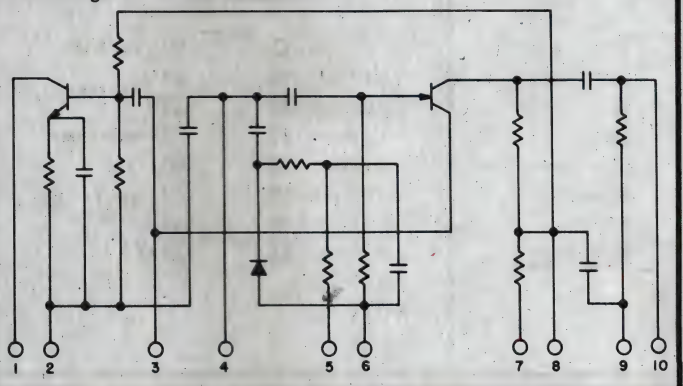
ECG1200 16-Pin DIP See Fig. L112
TV Chroma Processor, V_{CC} = 11.2 V Typ



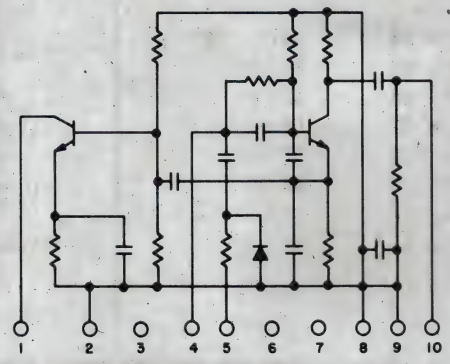
ECG1201, ECG1204 10-Pin SIP See Fig. L43
CB Voltage Controlled Oscillator



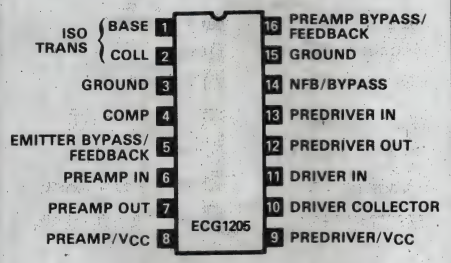
ECG1202 10-Pin SIP See Fig. L43
CB Voltage Controlled Oscillator



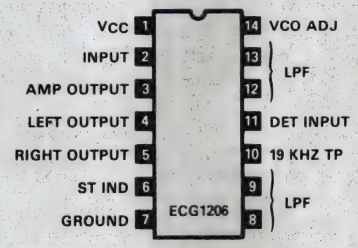
ECG1203 10-Pin SIP See Fig. L43
CB Voltage Controlled Oscillator



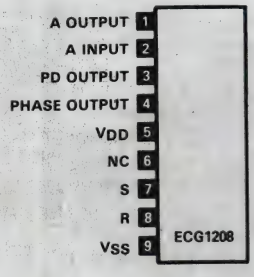
ECG1205 16-Pin DIP See Fig. L112
Tape Recorder Preamp, V_{CC} = 5 V



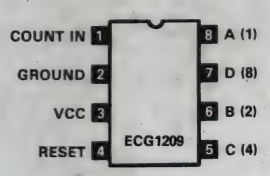
ECG1206 14-Pin DIP See Fig. L105
PLL Stereo Decoder



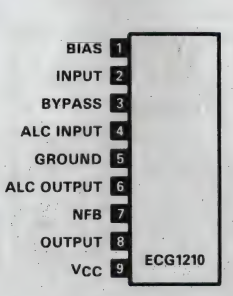
ECG1208 9-Pin SIP See Fig. L39
CMOS Phase Comparator



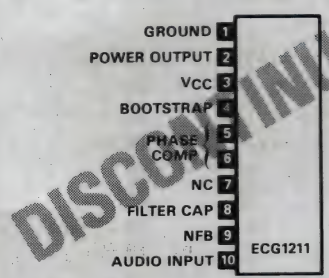
ECG1209 8-Pin DIP See Fig. L97
4-Bit Binary Counter



ECG1210 9-Pin SIP See Fig. L40
Audio Preamp



ECG1211 10-Pin SIP-HS See Fig. L88
5.5 W Audio Out, V_{CC} = 13.2 V, R_L = 4 Ω



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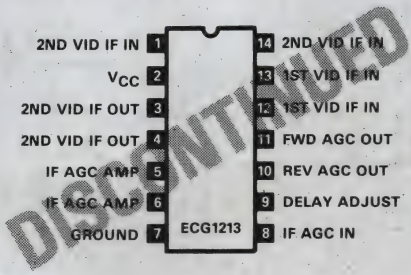
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1213 14-Pin DIP See Fig. L105

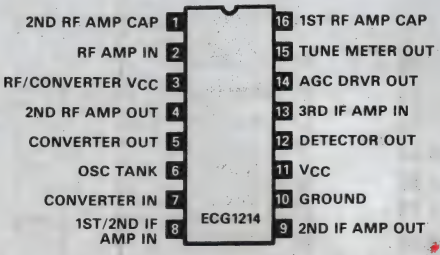
TV Video IF Amp

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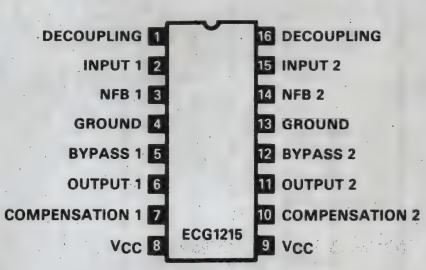
ECG1214 16-Pin DIP See Fig. L111

AM Tuner, RF Conv, IF, Det, AGC, V_{CC} = 12 V Typ



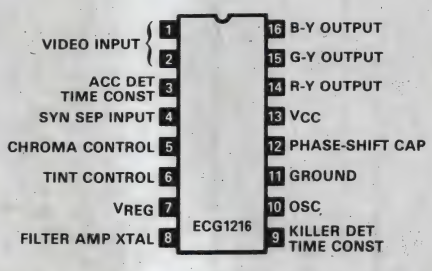
ECG1215 16-Pin DIP See Fig. L111

Stereo Equalizer Amp, V_{CC} = 9 V



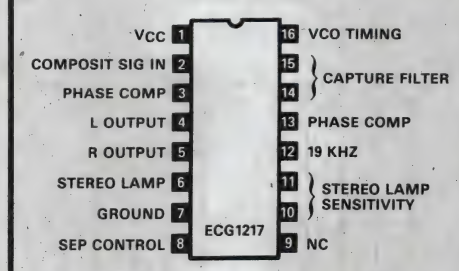
ECG1216 16-Pin DIP See Fig. L111

Chroma Demodulator, V_{CC} = 18 V Typ



ECG1217 16-Pin DIP See Fig. L111

PLL FM Stereo Decoder, V_{CC} = 12 V Typ

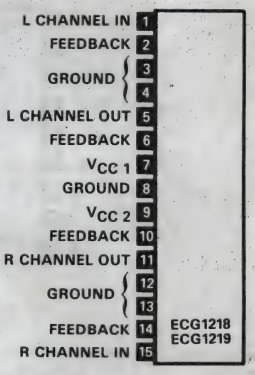


ECG1218 15-Pin SIP-M See Fig. L69

Dual Channel AF Pwr Amp, 7 W/Channel, V_{CC} = 27 V Typ

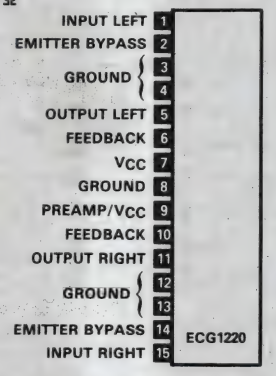
ECG1219 15-Pin SIP-M See Fig. L70

Dual Channel AF Pwr Amp, 15 W/Channel, V_{CC} = 39 V Typ



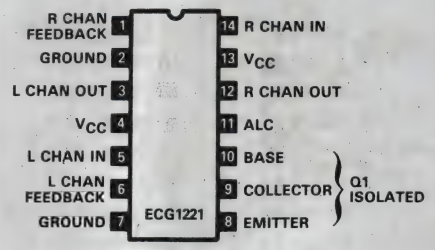
ECG1220 15-Pin SIP-M See Fig. L69

Mod Dual AF PO 6 W/Channel, V_{CC} = 24 V, R_L = 8 Ω



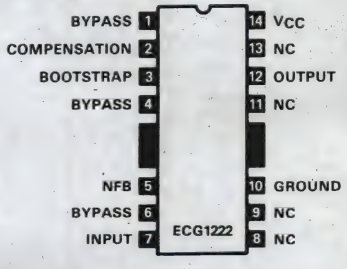
ECG1221 14-Pin DIP See Fig. L104

Stereo Preamp



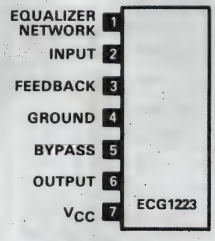
ECG1222 14-Pin DIP-W See Fig. L133

AF Pwr Amp, 4.2 W, V_{CC} = 13.2 V, R_L = 4 Ω



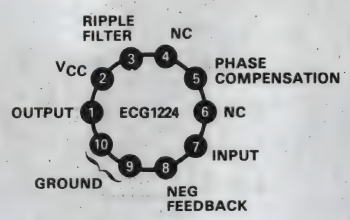
ECG1223 7-Pin SIP See Fig. L27

Lo-Noise Preamp



ECG1224 10-Pin Can See Fig. L8

AF Pwr Amp, 1.55 W

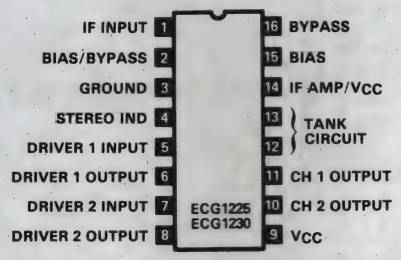


Package Outlines - See Page 1-269

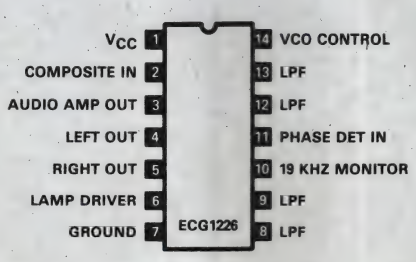
Linear IC and Module Circuits (cont'd)

ECG1225 16-Pin DIP See Fig. L111
FM Stereo Multiplex Demodulator, $V_{CC}=6$ V

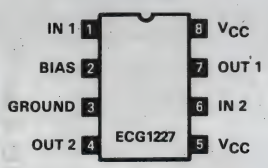
ECG1230
FM Stereo Multiplex Demodulator, $V_{CC}=9$ V



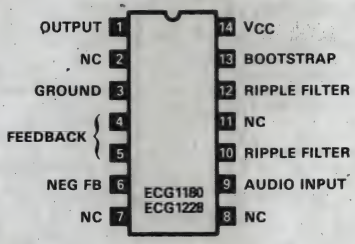
ECG1226 14-Pin DIP See Fig. L104
FM Stereo Multiplex Demodulator



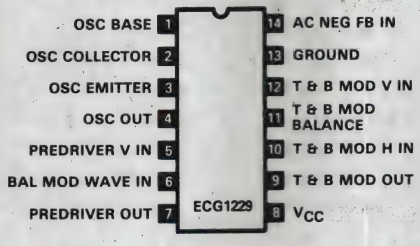
ECG1227 8-Pin DIP See Fig. L97
FM IF Amp



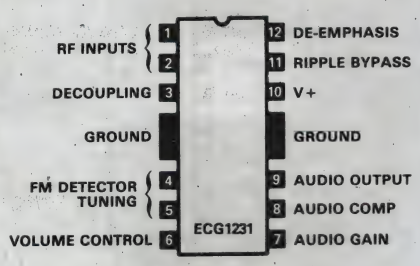
ECG1228 14-Pin DIP-ET See Fig. L144
AF Pwr Amp, 2.1 W, $V_{CC}=9$ V Typ



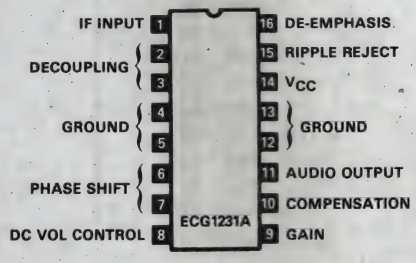
ECG1229 14-Pin DIP See Fig. L104
TV Vert Defl and Pincushion Correction



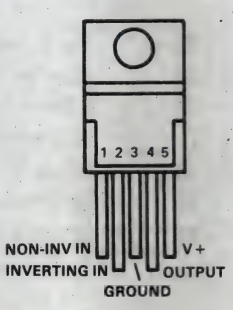
ECG1231 12-Pin DIP-QW See Fig. L131
TV Sound IF and Audio Output



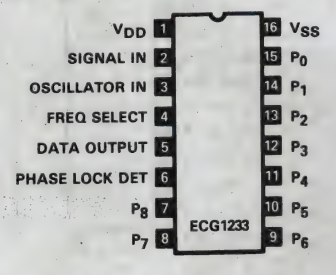
ECG1231A 16-Pin DIP See Fig. L111
TV Sound IF and Audio Output



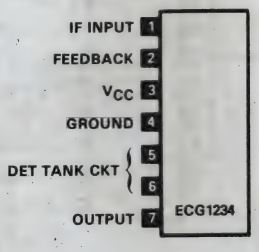
ECG1232 TO-220, 5-Pin See Fig. L19
AF Pwr Amp, 8 W



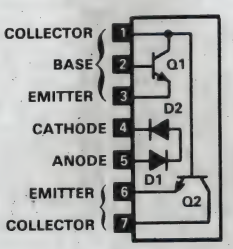
ECG1233 16-Pin DIP See Fig. L111
CB PLL Freq Synthesizer



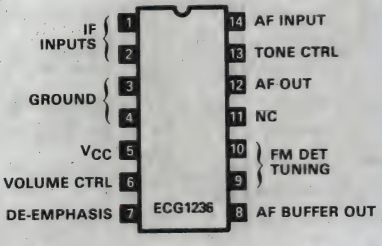
ECG1234 7-Pin SIP See Fig. L24
FM IF and TV Sound IF Amp



ECG1235 7-Pin SIP See Fig. L24
Squelch Amplifier



ECG1236 14-Pin DIP See Fig. L104
TV/FM Sound IF

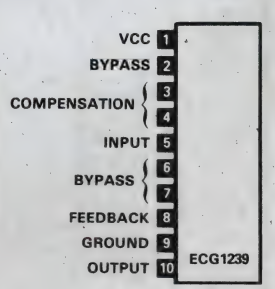


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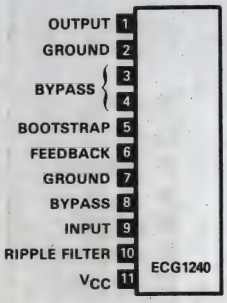
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

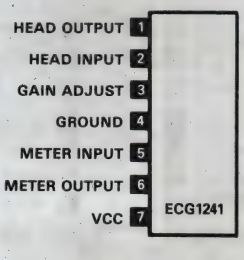
ECG1239 10-Pin SIP-HS See Fig. L83
Audio Output and CB Mod



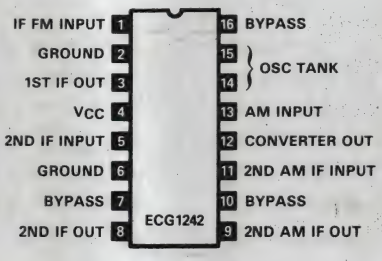
ECG1240 11-Pin SIP See Fig. L54
5.5 W Audio Output and CB Mod



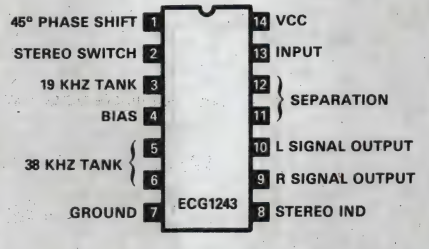
ECG1241 7-Pin SIP See Fig. L26
Head Coil and Meter Driver, V_{CC} = 5 V Typ



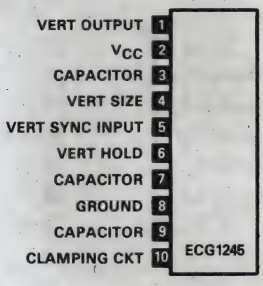
ECG1242 16-Pin DIP See Fig. L111
AM/FM IF and AM Converter, V_{CC} = 8 V Typ



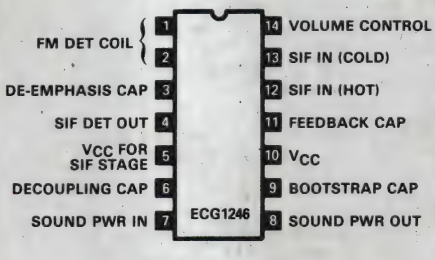
ECG1243 14-Pin DIP See Fig. L105
FM Stereo Multiplex Decoder, V_{CC} = 12 V Typ



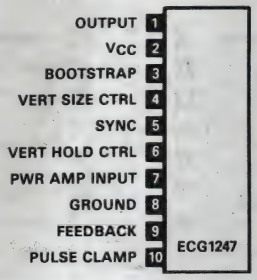
ECG1245 10-Pin SIP-HS See Fig. L89 (Alternate Fig. L90)
Vertical Deflection



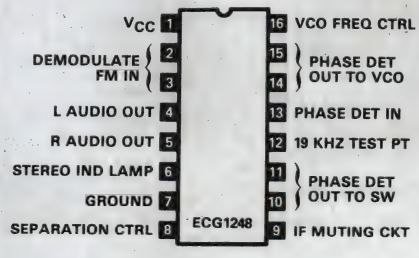
ECG1246 14-Pin DIP-ET See Fig. L145
TV Sound IF, Det AF PO



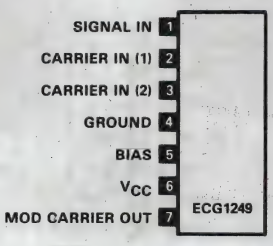
ECG1247 10-Pin SIP See Fig. L43
Voltage Controlled Osc, V_{CC} = 12 V



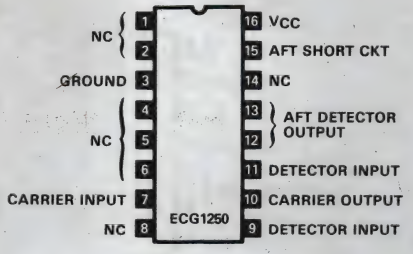
ECG1248 16-Pin DIP See Fig. L112
FM Stereo Demod



ECG1249 7-Pin SIP See Fig. L27
Balanced Modulator, V_{CC} = 12 V Typ



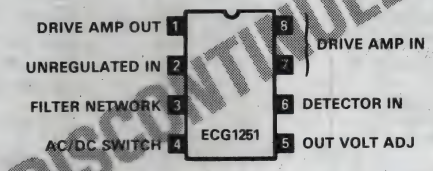
ECG1250 16-Pin DIP See Fig. L111
TV AFT, V_{CC} = 12 V Typ



Package Outlines - See Page 1-269

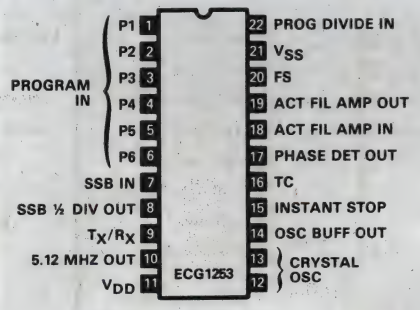
Linear IC and Module Circuits (cont'd)

ECG1251 8-Pin DIP-ET See Fig. L137
Voltage Regulator

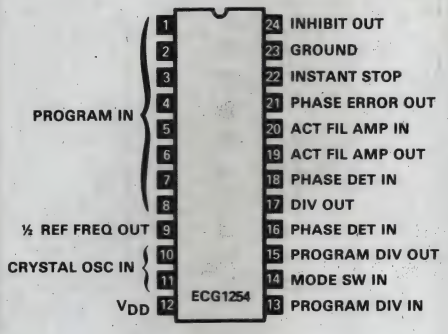


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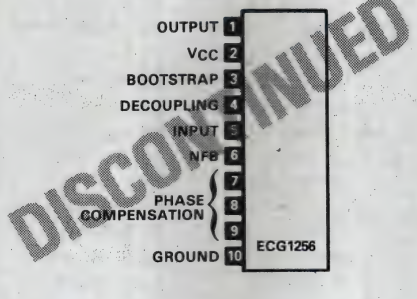
ECG1253 22-Pin DIP See Fig. L121
CMOS-PLL Freq Synthesizer, CB



ECG1254 24-Pin DIP See Fig. L122
CMOS-PLL Freq Synthesizer, CB

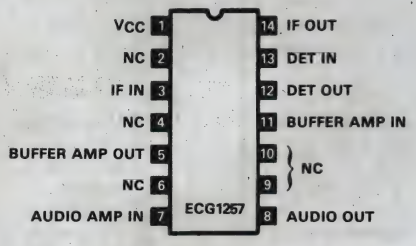


ECG1256 10-Pin SIP-HS See Fig. L84
AF PO, 5.8 W

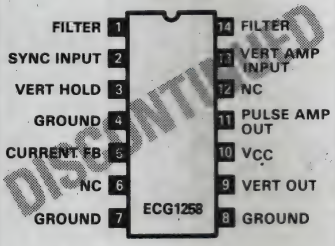


DISCONTINUED

ECG1257 14-Pin DIP-ET See Fig. L145
FM IF, Det, AF PO, V_{CC} = 12 V Typ

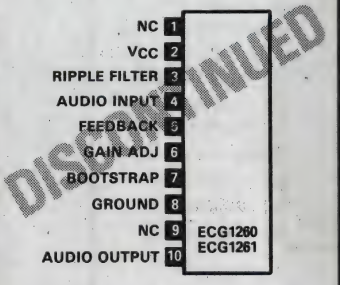


ECG1258 14-Pin DIP-ET See Fig. L148
Vert Hold, Osc, Output, V_{CC} = 11.5 V Typ



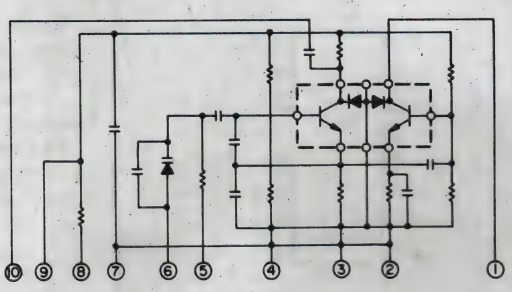
DISCONTINUED

ECG1260 10-Pin SIP-HS See Fig. L83
ECG1261 Fig. L82
AF PO, 5.5 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω

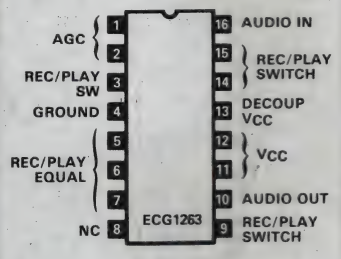


DISCONTINUED

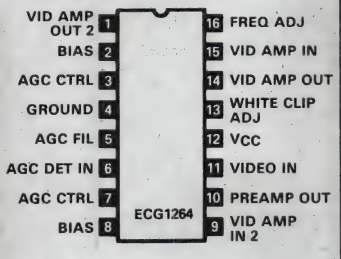
ECG1262 10-Pin SIP See Fig. L43
Voltage Controlled Osc, CB



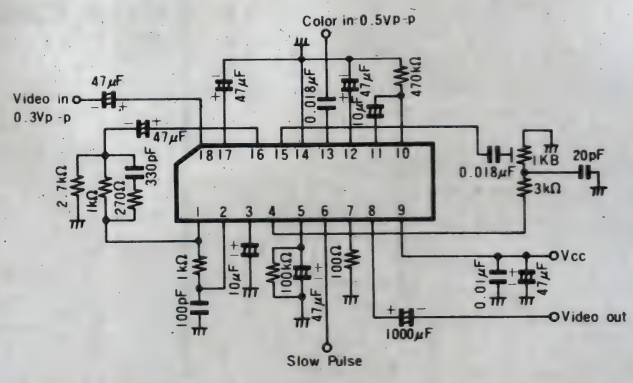
ECG1263 16-Pin DIP See Fig. L112
Record/Playback Ckt, VCR, V_{CC} = 12 V Typ



ECG1264 16-Pin DIP See Fig. L111
Luminance Ckt, VCR, V_{CC} = 12 V



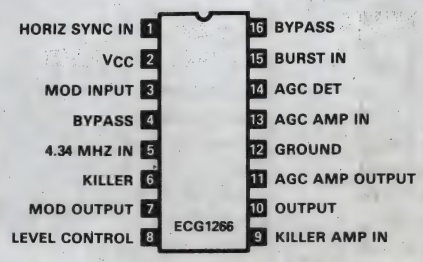
ECG1265 18-Pin DIP See Fig. L116
Noise Suppression Ckt, VCR, V_{CC} = 12 V Typ



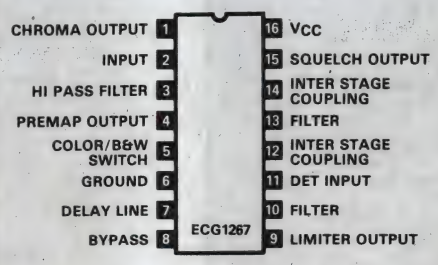
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

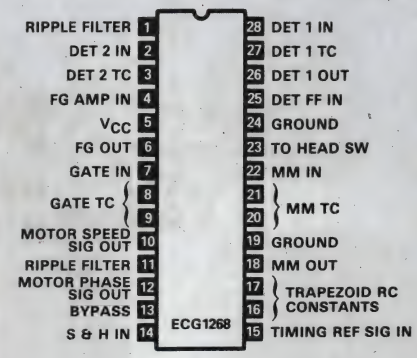
ECG1266 16-Pin DIP See Fig. L111
Chroma Processor, VCR, V_{CC} = 12 V Typ



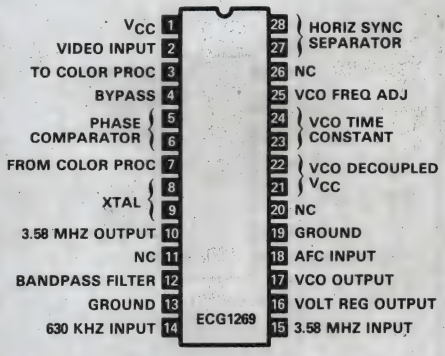
ECG1267 16-Pin DIP See Fig. L111
Dropout Compensator, VCR, V_{CC} = 12 V Typ



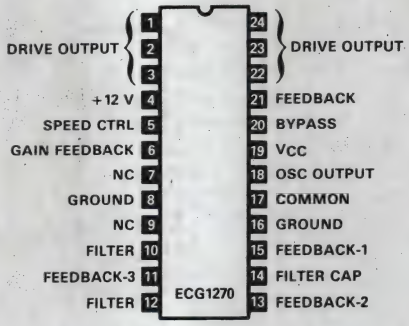
ECG1268 28-Pin DIP See Fig. L124
DC Servo Control, VCR, V_{CC} = 12 V Typ



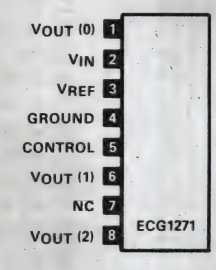
ECG1269 28-Pin DIP See Fig. L124
Color Processor, VCR



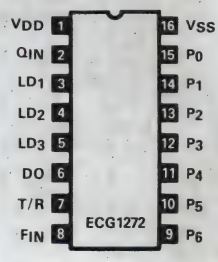
ECG1270 24-Pin DIP See Fig. L122A
VCR Motor Drive



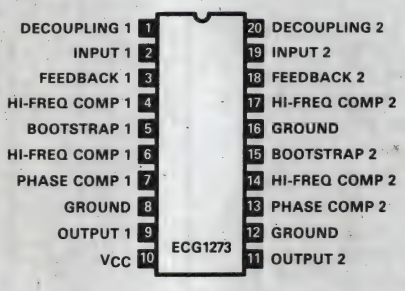
ECG1271 8-Pin SIP-HS See Fig. L77
Control Voltage Generator



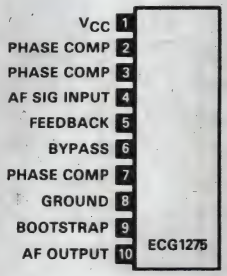
ECG1272 16-Pin DIP See Fig. L111
PLL Freq Synthesizer



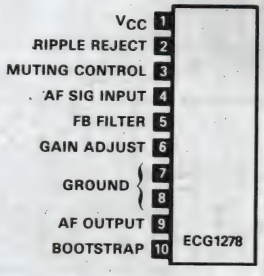
ECG1273 20 Pin DIP See Fig. L119
Dual Channel Audio Pwr Amp, 5 W/Channel, 15 W (BTL), V_{CC} = 13.2 V Typ



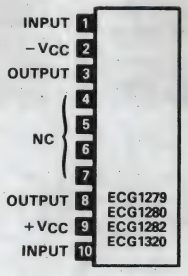
ECG1275 10-Pin SIP-HS See Fig. L90
AF Pwr Amp, 5.8 W



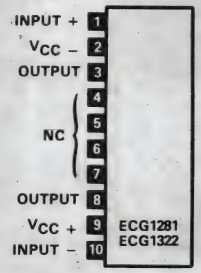
ECG1278 10-Pin SIP-HS See Fig. L85
AF PO, 5.8 W



ECG1279 10-Pin SIP-M See Fig. L64
AF PO, 50 W, V_{CC} = ±36 V Typ
ECG1280, ECG1282
AF PO, 35 W, V_{CC} = ±31 V Typ



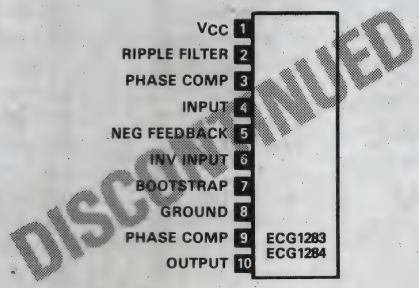
ECG1281 10-Pin SIP-M See Fig. L64
AF PO, 50 W, V_{CC} = ±36 V Typ



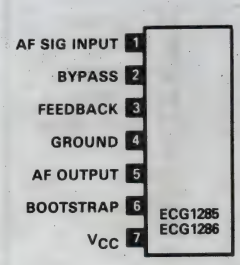
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1283 10-Pin SIP-HS See Fig. L83
ECG1284 10-Pin SIP-HS See Fig. L82
AF PO, 5.3 W, V_{CC} = 13.2 V Typ

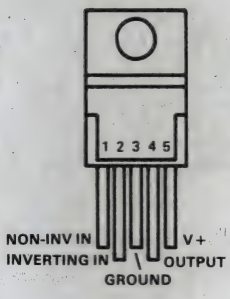


***ECG1285** 7-Pin SIP See Fig. L49
ECG1286 7-Pin SIP See Fig. L50
AF PO, 5.8 W

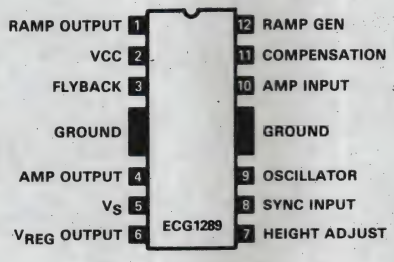


* ECG1285 Discontinued

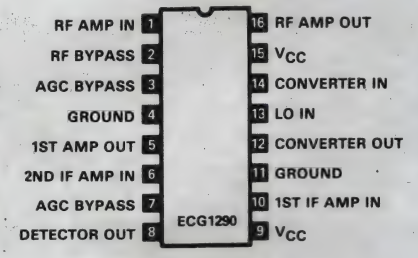
ECG1288 TO-220, 5-Pin See Fig. L19
AF Pwr Amp, 10 W



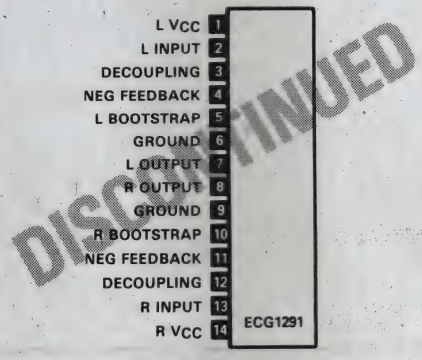
ECG1289 12-Pin DIP-QW See Fig. L131
TV Vertical Deflection System



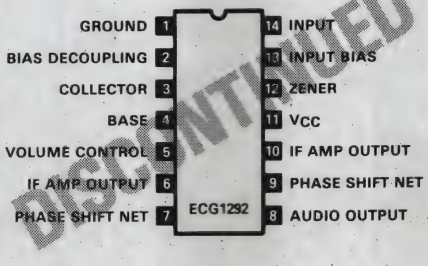
ECG1290 16-Pin DIP See Fig. L111
AM Receiver Subsystem



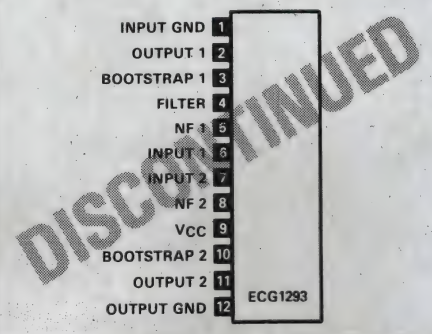
ECG1291 14-Pin SIP See Fig. L59
Dual Audio Pwr Amp, 5.5 W/Channel
V_{CC} = 14 V, R_L = 4 Ω



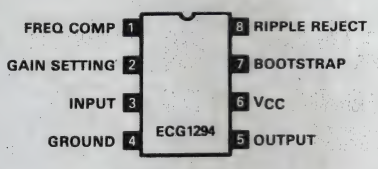
ECG1292 14-Pin DIP See Fig. L104
Sound IF Amp and Detector



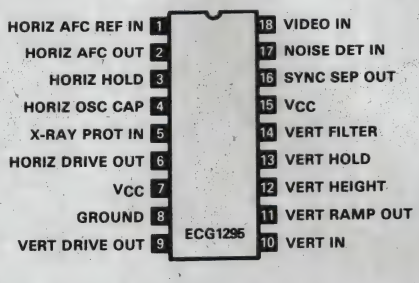
ECG1293 12-Pin SIP See Fig. L57
Dual AF Pwr Amp, 7 W/Channel,
V_{CC} = 14 V, R_L = 4 Ω



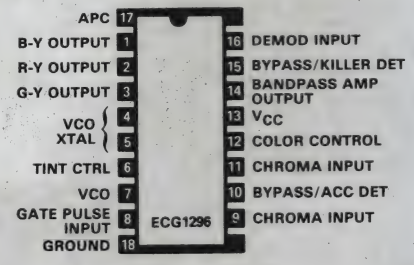
ECG1294 8-Pin DIP See Fig. L97
AF PO, 2 W, V_{CC} = 3 V to 12 V, R_L = 8 Ω



ECG1295 18-Pin DIP See Fig. L115
TV Signal Processor w/Vert Defl, AFC,
X-Ray Protection, V_{CC} = 12 V Typ



ECG1296 16+2-Pin DIP-ET See Fig. L114
TV Chroma Processor/Demodulator,
V_{CC} = 12 V Typ

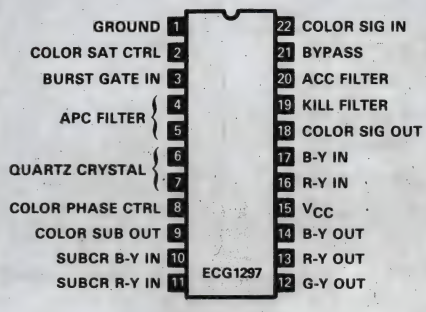


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

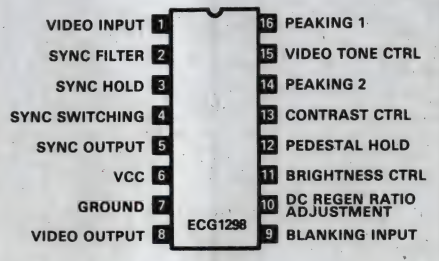
ECG1297 22-Pin DIP See Fig. L121

TV Color Signal Processor/Demodulator



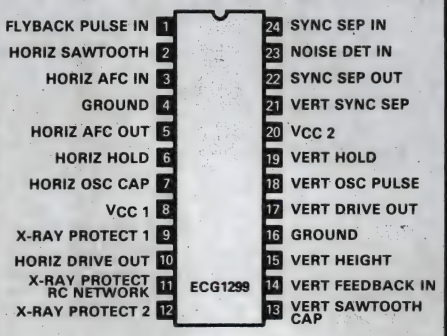
ECG1298 16-Pin DIP See Fig. L111

TV Signal Processor w/Brightness, Contrast Control, Sync Sep



ECG1299 24-Pin DIP See Fig. L122

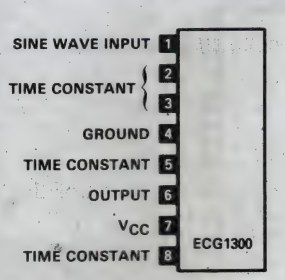
TV Signal Processor w/V-H Osc, Sync Sep, X-Ray Protect, V_{CC} = 12 V Typ



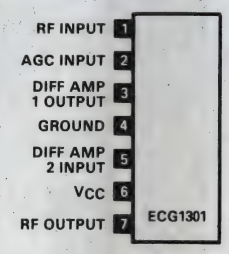
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

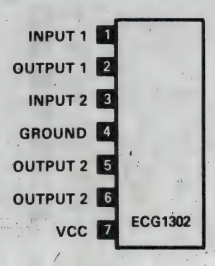
ECG1300 8-Pin SIP See Fig. L35
TV Remote Control



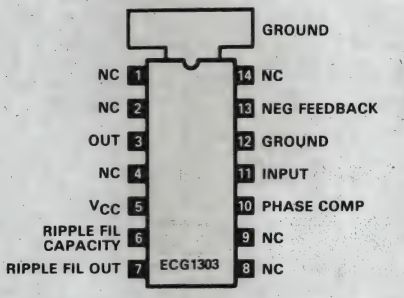
ECG1301 7-Pin SIP See Fig. L29
AM/FM IF, V_{CC} = 4 V Typ



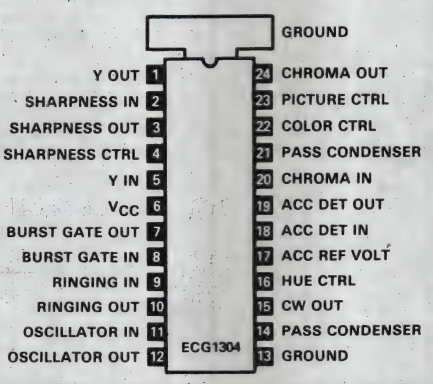
ECG1302 7-Pin SIP See Fig. L28
Audio Preamp



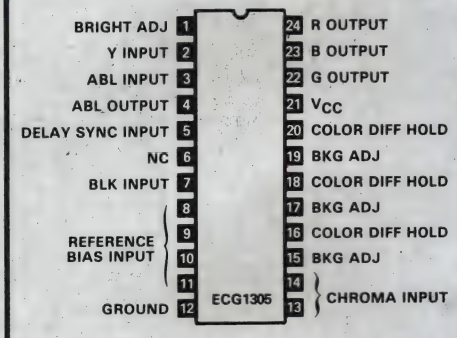
ECG1303 14-Pin DIP-ET See Fig. L141
AF Pwr Output, V_{CC} = 6 V Typ



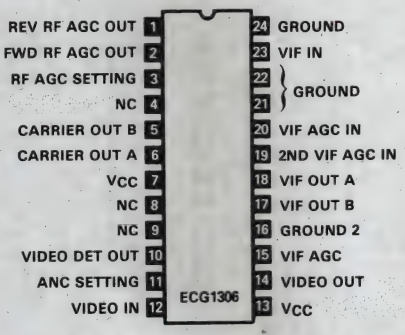
ECG1304 24-Pin DIP-ET See Fig. L153
Chroma Processor, V_{CC} = 12 V Typ



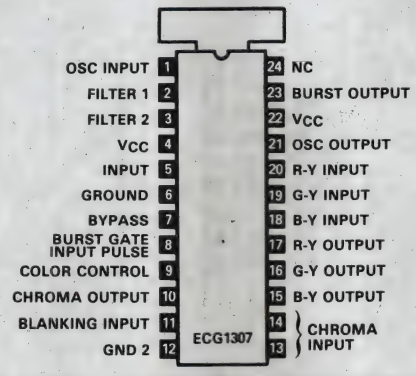
ECG1305 24-Pin DIP-ET See Fig. L153
Color Demodulator



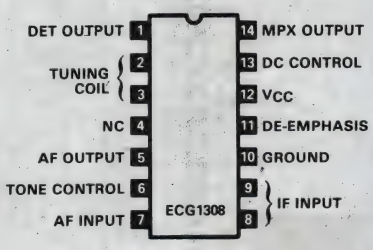
ECG1306 24-Pin DIP-ET See Fig. L153
Video IF, V_{CC} = 12 V Typ



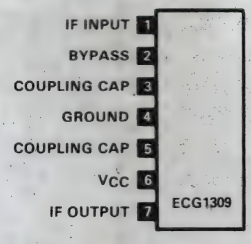
ECG1307 24-Pin DIP-ET See Fig. L153
Chroma Processor, V_{CC} = 12 V Typ



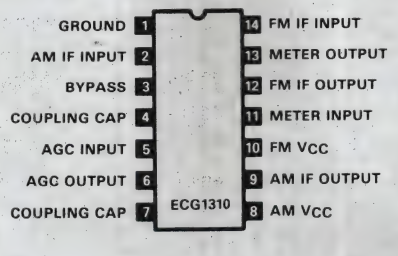
ECG1308 14-Pin DIP See Fig. L105
(14-Pin DIP-ET See Alternate Fig. L143)
TV Sound IF, Det



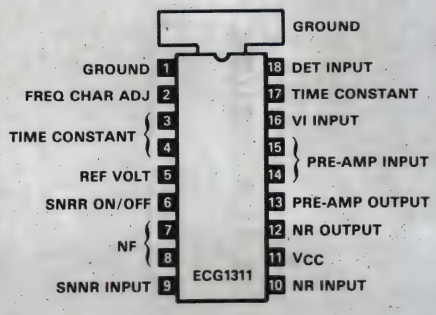
ECG1309 7-Pin SIP See Fig. L28
FM IF



ECG1310 14-Pin DIP-ET See Fig. L142
FM/AM IF, AGC



ECG1311 18-Pin DIP-ET See Fig. L152
Noise Cancelling Amp, V_{CC} = 13 V Typ



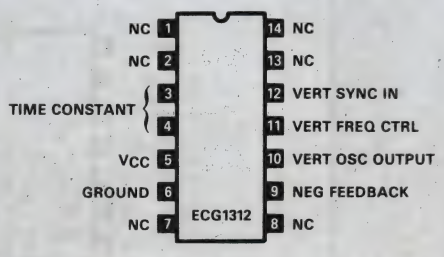
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

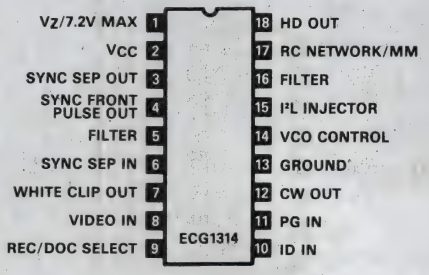
ECG1312 14-Pin DIP See Fig. L104

Vert Osc, Amp, V_{CC} = 12 V Typ



ECG1314 18-Pin DIP See Fig. L115

VCR Sync Sep/AFC/90° Rotary Circuit, V_{CC} = 12 V DC Typ



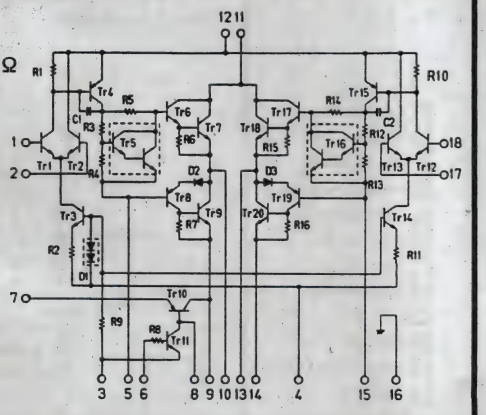
ECG1315 18-Pin SIP-M See Fig. L75D

Dual AF PO, 35 W, V_{CC} = ±30 V, R_L = 8 Ω

ECG1316

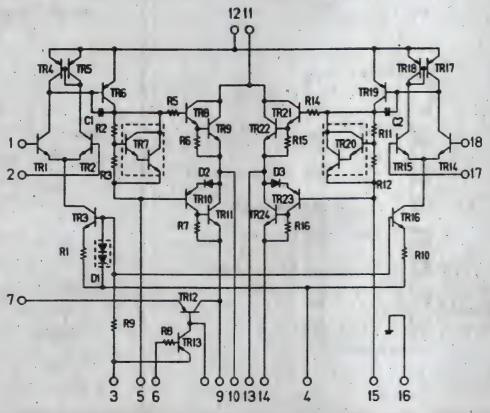
Dual AF PO, 50 W,

V_{CC} = ±35 V, R_L = 8 Ω



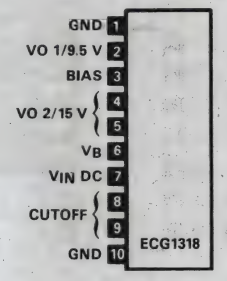
ECG1317 18-Pin SIP-M See Fig. L75B

Dual AF PO, 50 W, V_{CC} = ±35.5 V, R_L = 8 Ω



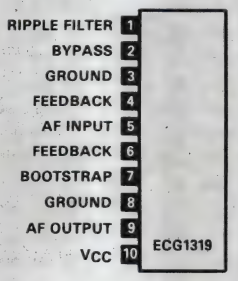
ECG1318 10-Pin SIP See Fig. L53B

VCR Pos DC VR, Dual Output, 9.5 V @ 1.6 A, 15 V @ 2.5 A



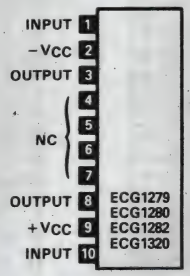
ECG1319 10-Pin SIP See Fig. L53A

Mod-AF PO, 15 W, V_{CC} = 38 V DC Typ, R_L = 8 Ω



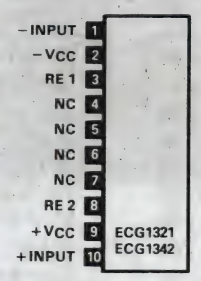
ECG1320 10-Pin SIP-M See Fig. L63

AF PO, 25 W, V_{CC} = ±25 V Typ



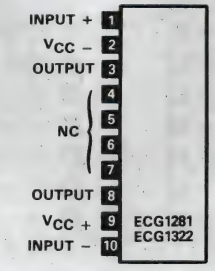
ECG1321 10-Pin SIP-M See Fig. L64

Mod-AF PO, 55 W, V_{CC} = ±38 V



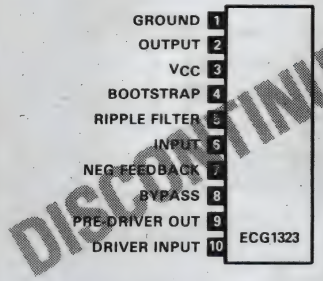
ECG1322 10-Pin SIP-M See Fig. L62

AF PO, 80 W, V_{CC} = ±46 V Typ



ECG1323 10-Pin SIP-M See Fig. L63

Mod-AF PO, 15 W, V_{CC} = 38 V Typ



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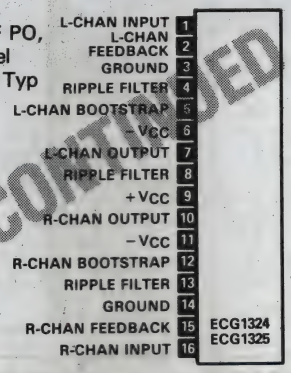
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1324 16-Pin SIP-M See Fig. L74
Mod-Dual PO, 10 W/Channel,
$V_{CC} = \pm 16.5$ V Typ

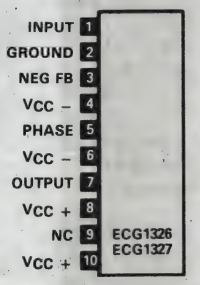
ECG1325
Mod-Dual AF PO,
20 W/Channel
$V_{CC} = \pm 22$ V Typ

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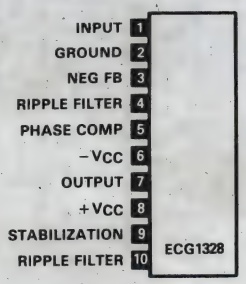


ECG1326 10-Pin SIP-M See Fig. L66
Mod-AF PO, 24 W, $V_{CC} = \pm 25$ V Typ

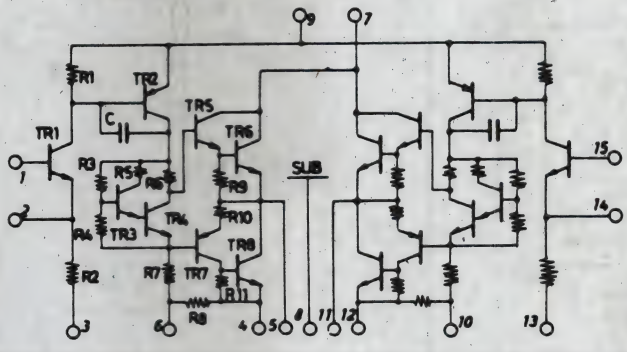
ECG1327
Mod-AF PO, 35 W, $V_{CC} = \pm 30$ V Typ



ECG1328 10-Pin SIP-M See Fig. L66
Mod-AF PO, 50 W, $V_{CC} = \pm 35$ V Typ

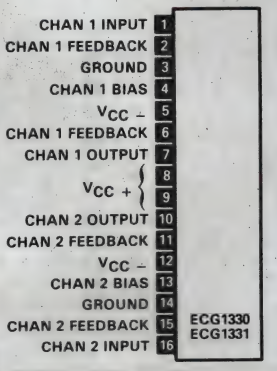


ECG1329 15-Pin SIP-M See Fig. L70
Mod-Dual AF PO, 20 W/Channel, $V_{CC} = 44$ V Typ, $R_L = 8\ \Omega$

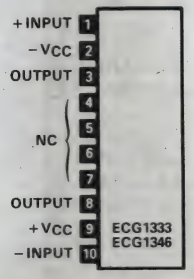


ECG1330 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 15 W/Channel, $V_{CC} = \pm 21$ V Typ

ECG1331
Mod-Dual AF PO, 25 W/Channel,
$V_{CC} = \pm 23$ V Typ

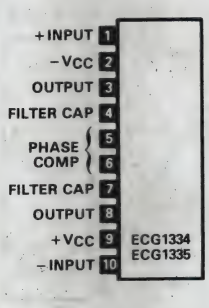


ECG1333 10-Pin SIP-M See Fig. L63
Mod-AF PO, 40 W, $V_{CC} = \pm 33$ V, $R_L = 8\ \Omega$

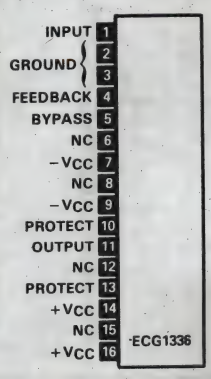


ECG1334 10 Pin SIP-M See Fig. L62
Mod-AF PO, 60 W, $V_{CC} = \pm 41$ V, $R_L = 8\ \Omega$

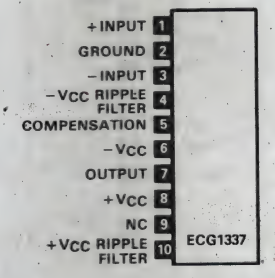
ECG1335
Mod-AF PO, 80 W, $V_{CC} = \pm 47$ V, $R_L = 8\ \Omega$



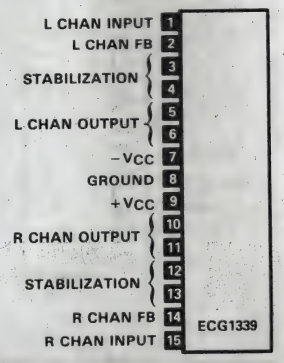
ECG1336 16-Pin SIP-M See Fig. L72
Mod-AF PO, 70 W, $V_{CC} = \pm 42$ V, $R_L = 8\ \Omega$



ECG1337 10-PIN SIP-M See Fig. L66
Mod-AF PO, 70 W, $V_{CC} = \pm 42$ V, $R_L = 8\ \Omega$

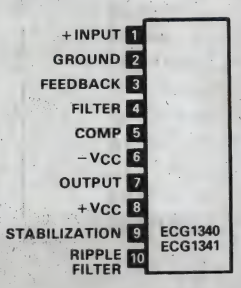


ECG1339 15-Pin SIP-M See Fig. L68
High Power Dual AF Driver Amp



ECG1340 10-Pin SIP-M See Fig. L66
Mod-AF PO, 24 W, $V_{CC} = \pm 25$ V, $R_L = 8\ \Omega$

***ECG1341**
Mod-AF PO, 15 W, $V_{CC} = \pm 20$ V, $R_L = 8\ \Omega$

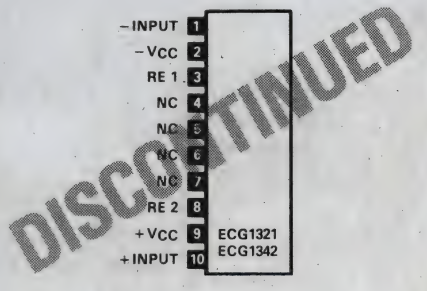


* ECG1341 Discontinued

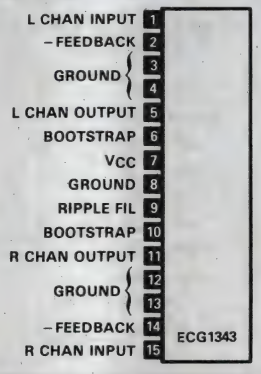
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

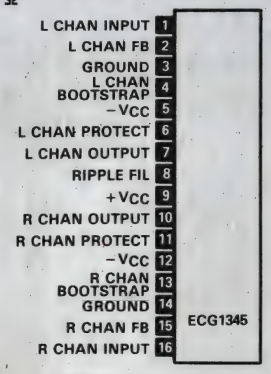
ECG1342 10-Pin SIP-M See Fig. L66
Mod-AF PO, 100 W, $V_{CC} = \pm 50$ V, $R_L = 8\ \Omega$



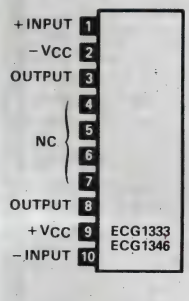
ECG1343 15-Pin SIP-M See Fig. L69
Mod-Bridge (BTL), AF PO, 10 W, $V_{CC} = 13.8$ V, $R_L = 4\ \Omega$



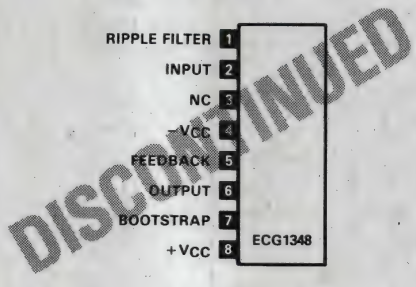
ECG1345 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 30 W, $V_{CC} = \pm 28$ V $R_L = 8\ \Omega$



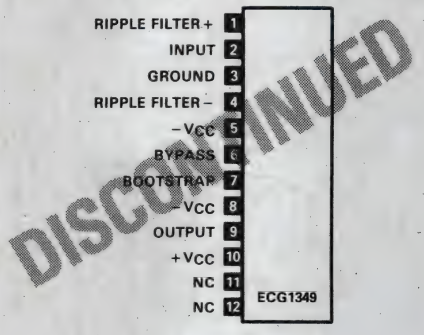
ECG1346 10-Pin SIP-M See Fig. L62
Mod-Darlington Pwr Pack, 60 W, $V_{CC} = \pm 40$ V, $R_L = 8\ \Omega$



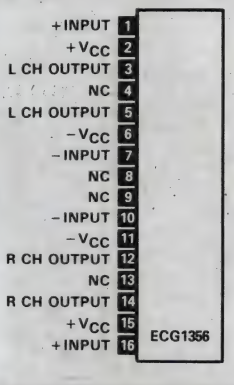
ECG1348 8-Pin SIP See Fig. L60
Mod-AF PO, 20 W, $V_{CC} = \pm 23$ V, $R_L = 8\Omega$



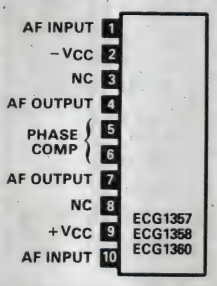
ECG1349 12-Pin SIP See Fig. L67
Mod-AF PO, 20 W, $V_{CC} = \pm 23$ V Typ, $R_L = 8\ \Omega$



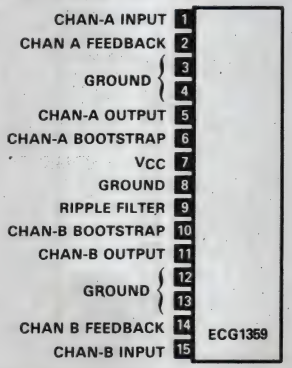
ECG1356 16-Pin SIP-M See Fig. L73
Mod-Dual AF PO, 25 W, $V_{CC} = \pm 25$ V, $R_L = 8\ \Omega$



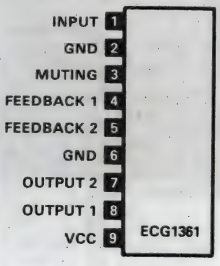
ECG1357 10-Pin SIP-M See Fig. L64
Mod-Pwr Darl, 40 W, $V_{CC} = \pm 33$ V, $R_L = 8\ \Omega$
ECG1358
Mod-Pwr Darl, 50 W, $V_{CC} = \pm 36$ V, $R_L = 8\ \Omega$
ECG1360
Mod-Pwr Darl, 60 W, $V_{CC} = \pm 40$ V, $R_L = 8\ \Omega$



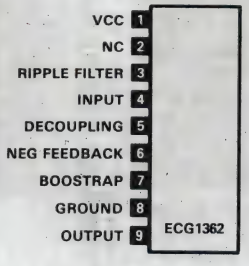
ECG1359 15-Pin SIP-M See Fig. L69
Mod-Dual AF PO, 22 W/Channel, $V_{CC} = +31$ V Typ, $R_L = 4\ \Omega$



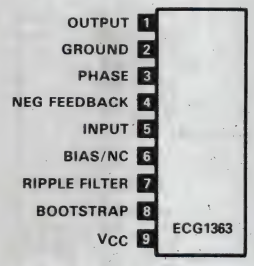
ECG1361 9-Pin SIP-HS See Fig. L80
IC-AF Pwr Amp, 12 W Bridge (BTL), $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1362 9-Pin SIP-HS See Fig. L80
IC-AF PO, 5.5 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1363 9-Pin SIP-HS See Fig. L79
IC-AF PO, 4.2 W, $V_{CC} = 13.2$ V Typ, $R_L = 4\ \Omega$

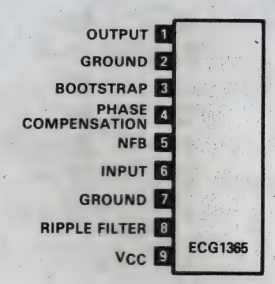


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1365 9-Pin SIP-HS See Fig. L79

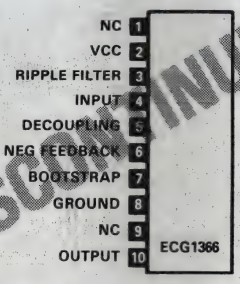
IC-AF PO, 5 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



ECG1366 10-Pin SIP-HS See Fig. L84

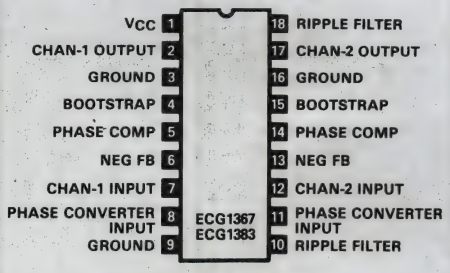
IC-AF PO, 5.5 W, V_{CC} = 13.2 V, R_L = 4 Ω

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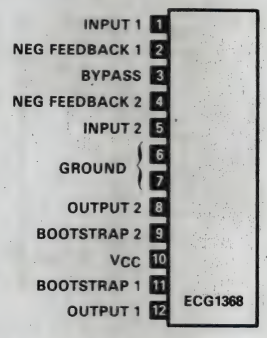
ECG1367 18-Pin DIP See Fig. L116

IC-AF PO, Dual 5 W, R_L = 4 Ω, Bridge (BTL), 10 W, R_L = 8 Ω, V_{CC} = 13.2 V Typ



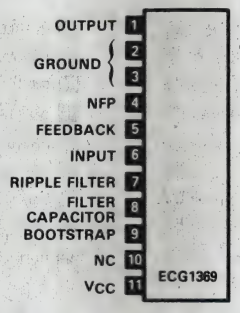
ECG1368 12-Pin SIP See Fig. L57

IC-Dual AF PO, 5.8 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



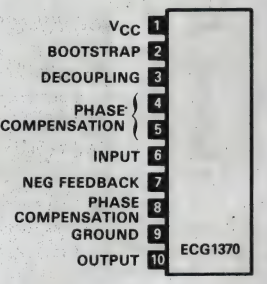
ECG1369 11-Pin SIP See Fig. L54

IC-AF PO, 5.5 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



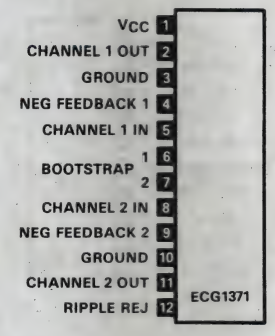
ECG1370 10-Pin SIP-HS See Fig. L85

IC-AF PO, 5.8 W, V_{CC} = 13.2 V, R_L = 4 Ω



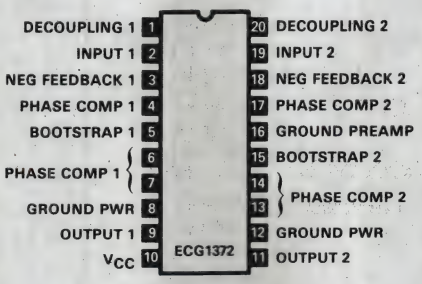
ECG1371 12-Pin SIP See Fig. L55

IC-Dual AF PO, 5.5 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



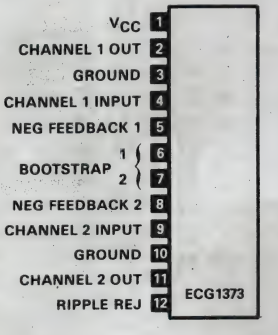
ECG1372 20-Pin DIP See Fig. L119

IC-Dual AF PO, 3.9 W, Bridge (BTL), 12 W, V_{CC} = 12 V, R_L = 4 Ω



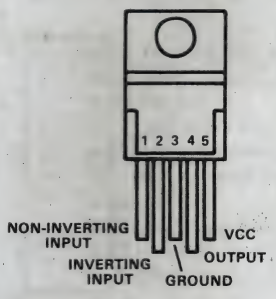
ECG1373 12-Pin SIP See Fig. L55

IC-Dual AF PO, 5.5 W, V_{CC} = 13.2 V, R_L = 4Ω



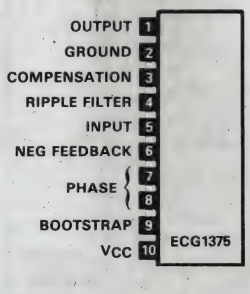
ECG1374 TO-220, 5-Pin See Fig. L19

IC-AF PO, 12 W, V_{CC} = 22 V, R_L = 4 Ω



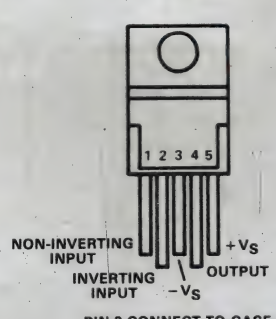
ECG1375 10-Pin SIP-HS See Fig. L87

IC-AF PO, 5.8 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



ECG1376 TO-220, 5-Pin See Fig. L19

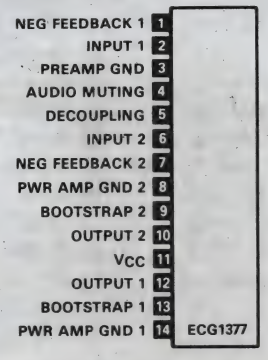
IC-AF PO, 22 W, V_{CC} = 32 V, R_L = 4 Ω



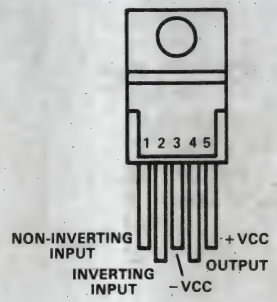
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

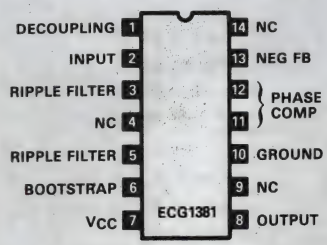
ECG1377 14-Pin SIP See Fig. L58
IC-Dual AF PO, 6 W, Bridge (BTL), 19 W, V_{CC} = 13.2 V, R_L = 4 Ω



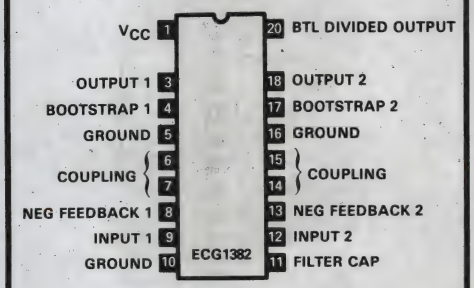
ECG1378 TO-220, 5-Pin See Fig. L19
IC-AF PO, 10 W, V_{CC} = ±12 V, R_L = 4 Ω
ECG1380
IC-AF PO, 14 W, V_{CC} = ±14 V, R_L = 4 Ω



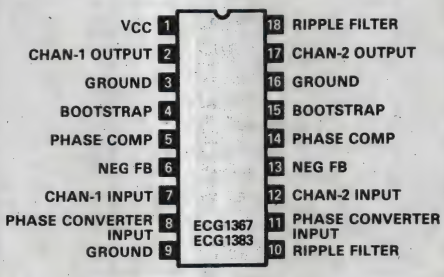
ECG1381 14-Pin DIP-ET See Fig. L147
IC-AF PO, 2.1 W, V_{CC} = 9 V Typ, R_L = 4 Ω



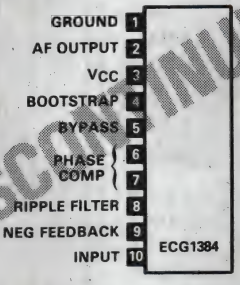
ECG1382 20-Pin DIP (18 Pins) See Fig. L120
IC-Dual AF PO, 4.2 W, Bridge (BTL), 9 W, V_{CC} = 12 V, R_L = 4 Ω



ECG1383 18-Pin DIP See Fig. L116
IC-Dual AF PO, 5.1 W, R_L = 4 Ω, Bridge (BTL), 10.5 W, R_L = 8 Ω, V_{CC} = 13.2 V

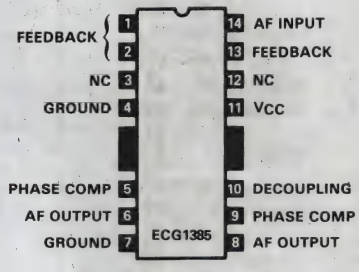


ECG1384 10-Pin SIP-HS See Fig. L88
IC-AF PO, 3.5 W, V_{CC} = 16 V, R_L = 8 Ω

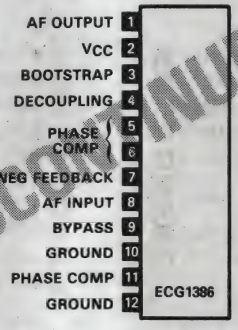


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ECG1385 14-Pin DIP-W See Fig. L133
IC-AF PO, 3.8 W, V_{CC} = 9 V Typ, R_L = 8 Ω

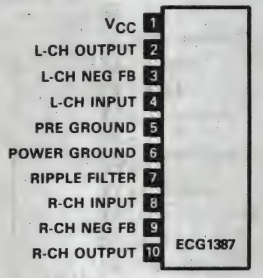


ECG1386 12-Pin SIP-HS See Fig. L91
IC-AF PO, 8 W, V_{CC} = 25 V Typ, R_L = 8 Ω

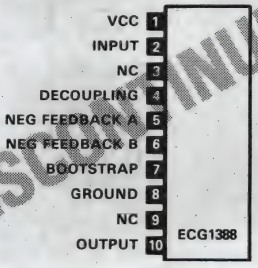


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ECG1387 10-Pin SIP-HS See Fig. L85
IC-Dual AF PO, 2.4 W, V_{CC} = 14 VDC, R_L = 8 Ω

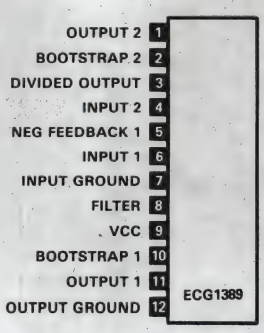


ECG1388 10-Pin SIP-HS See Fig. L88
IC-AF PO, 5.8 W, V_{CC} = 13.2 V, R_L = 4 Ω

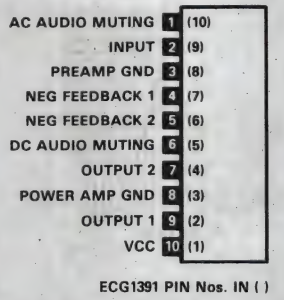


DISCONTINUED

ECG1389 12-Pin SIP See Fig. L57
IC-AF PO, 20 W, V_{CC} = 13.2 V, R_L = 4 Ω



ECG1390 10-Pin SIP See Fig. L52
IC-AF PO, 12 W, V_{CC} = 13.2 V, R_L = 4 Ω
ECG1391
IC-AF PO, 12 W, V_{CC} = 13.2 V, R_L = 4 Ω



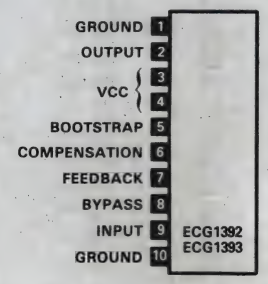
ECG1391 PIN Nos. IN ( )

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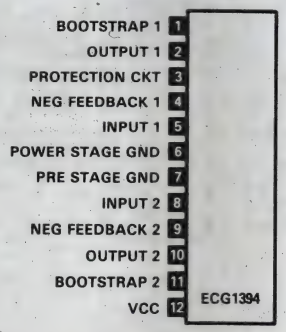
Linear IC and Module Circuits (cont'd)

ECG1392 10-Pin SIP-HS See Fig. L83
IC-AF PO, 7 W, V_{CC} = 22 V, R_L = 8 Ω

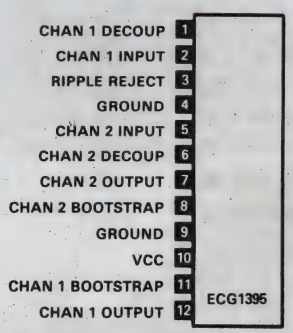
ECG1393 10-Pin SIP-HS See Fig. L82
IC-AF PO, 7 W, V_{CC} = 22 V, R_L = 8 Ω



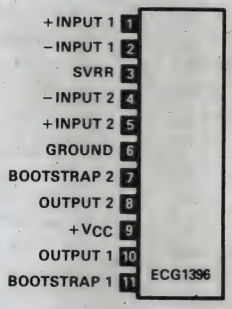
ECG1394 12-Pin SIP See Fig. L56
IC-Dual AF PO, 5.5 W, Bridge (BTL), 17 W, V_{CC} = 13.2 V, R_L = 4 Ω



ECG1395 12-Pin SIP-HS See Fig. L92
IC-Dual AF PO, 5.8 W, V_{CC} = 13.2 V, R_L = 4 Ω

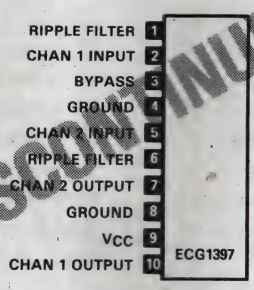


ECG1396 11-Pin SIP-HS See Fig. L93
IC-Dual AF PO, 6.5 W, Bridge (BTL), 20 W, V_{CC} = 14.4 V, R_L = 4 Ω

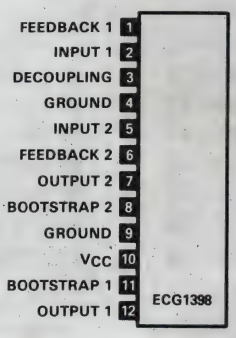


ECG1397 10-Pin SIP-HS See Fig. L83
Dual AF PO, 4 W, V_{CC} = 17 V Typ, R_L = 8 Ω

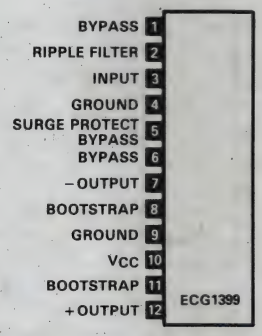
DISCONTINUED



ECG1398 12-Pin SIP-HS See Fig. L92
Dual AF PO, 5.8 W, Bridge (BTL), 17 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



ECG1399 12-Pin SIP-HS See Fig. L92
AF PO, 18 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



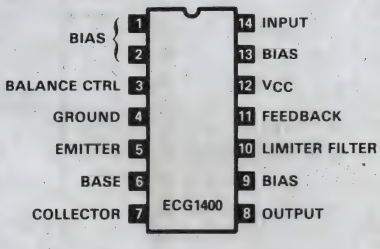
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

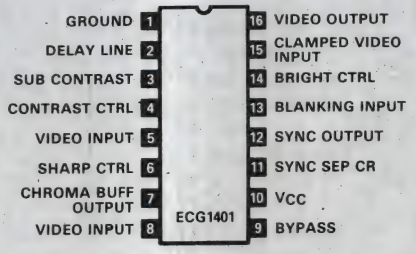
ECG1400 14-Pin DIP See Fig. L104

IC-FM Limiter, V_{CC} = 12 V Typ



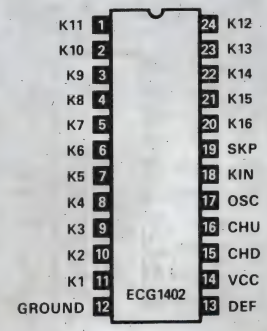
ECG1401 16-Pin DIP See Fig. L111

IC-TV Video Amp, V_{CC} = 12 V Typ



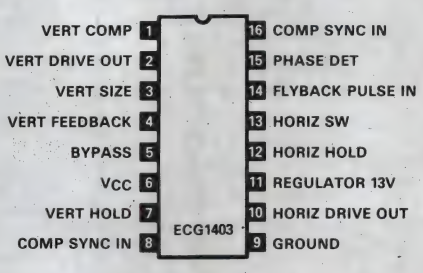
ECG1402 24-Pin DIP See Fig. L122

IC-Electronic Channel Selector Circuit, V_{CC} = 7.2 V Max



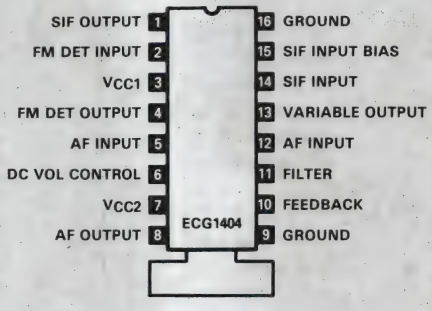
ECG1403 16-Pin DIP See Fig. L111

IC-TV Vertical, Horizontal Driver, V_{CC} = 15 V Max



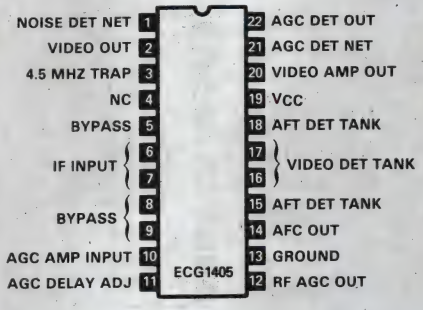
ECG1404 16-Pin DIP-ET See Fig. L151

IC-TV Sound IF Amp, Det, AF PO, V_{CC1} = 12 V Typ, V_{CC2} = 17 V Typ



ECG1405 22-Pin DIP See Fig. L121

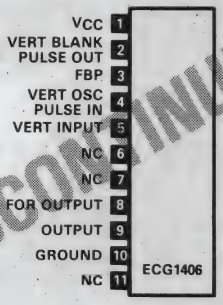
IC-TV Video IF Amp (Rev AGC), V_{CC} = 12 V Typ



ECG1406 11-Pin SIP See Fig. L54

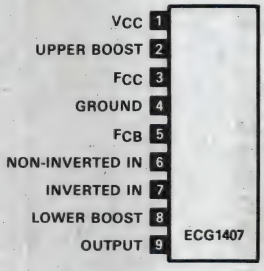
IC-TV Vertical Deflection Output, V_{CC} = 24 V Typ

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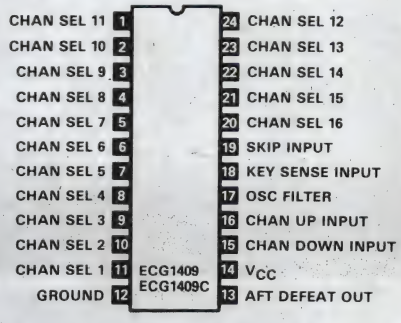
ECG1407 9-Pin SIP-HS See Fig. L81

IC-Audio Pwr Amp, 4.4 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



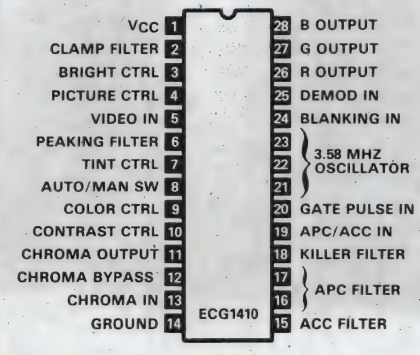
ECG1409 24-Pin DIP See Fig. L122
ECG1409C 24-Pin DIP See Fig. L122C

Electronic Channel Selector, V_{CC} = 12 V Typ



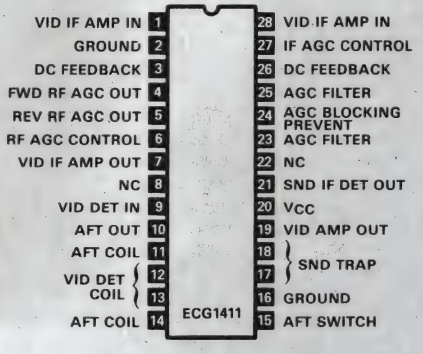
ECG1410 28-Pin DIP See Fig. L124

IC-TV Video and CHroma Processor, V_{CC} = 12 V Typ



ECG1411 28-Pin DIP See Fig. L124

IC-TV Video IF, AGC, AFT, V_{CC} = 12 V Typ

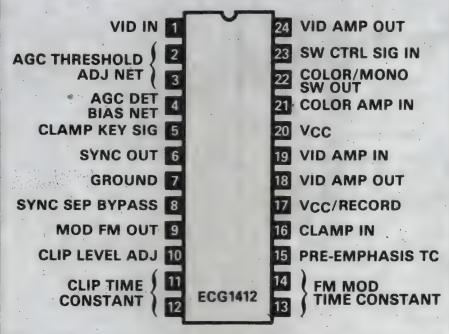


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Linear IC and Module Circuits (cont'd)

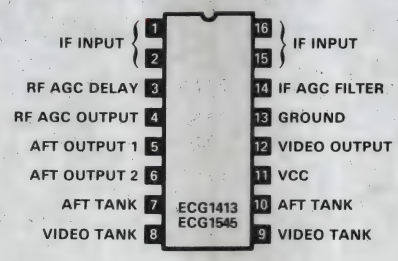
ECG1412 24-Pin DIP See Fig. L122

IC-VCR Video Signal Processor, V_{CC} = 12 V Typ



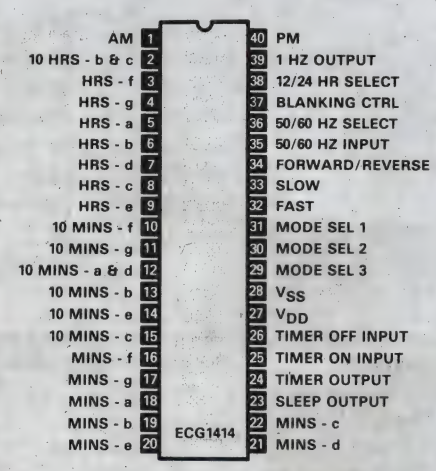
ECG1413 16-Pin DIP See Fig. L111

IC-VIF Video AGC Amp w/AFT, V_{CC} = 12 V Typ



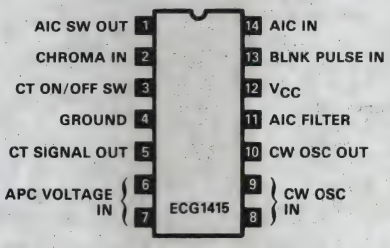
ECG1414 40-Pin DIP See Fig. L125

IC-VCR Digital Clock, Timer (CMOS), V_{DD} = 12 V Typ



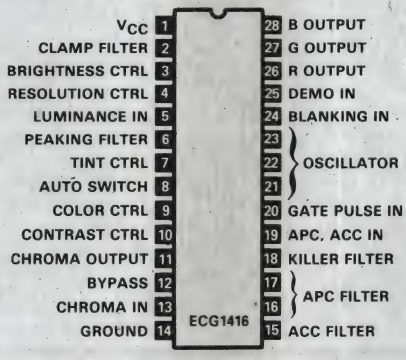
ECG1415 14-Pin DIP See Fig. L104

IC-TV Color Compensation Ckt, V_{CC} = 12 V Typ



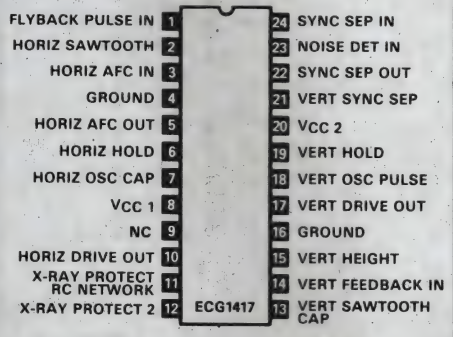
ECG1416 28-Pin DIP See Fig. L124

IC-Luminance Amp, Chroma Demod, V_{CC} = 12 V Typ



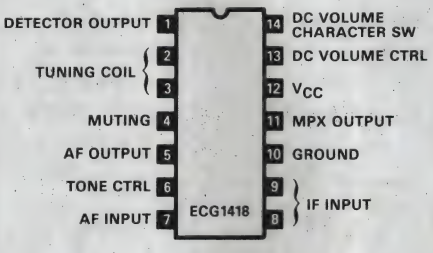
ECG1417 24-Pin DIP See Fig. L122

IC-TV Deflection Signal Processor, V_{CC} = 12 V Typ



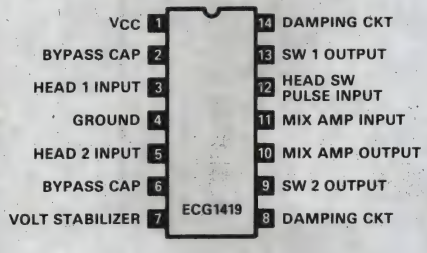
ECG1418 14-Pin DIP See Fig. L105

IC-TV Sound IF Amp, V_{CC} = 12 V Typ



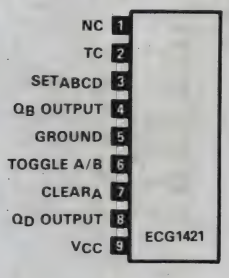
ECG1419 14-Pin DIP See Fig. L104

IC-VCR Head Amp, V_{CC} = 12 V Typ



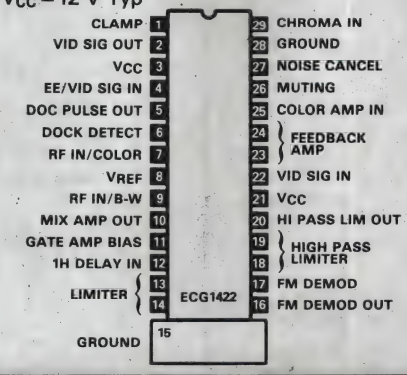
ECG1421 9-Pin SIP See Fig. L41

IC-VCR Freq Divider, V_{CC} = 15 V Max



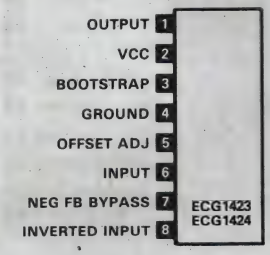
ECG1422 28-Pin DIP-HS See Fig. L154

IC-VCR Video Signal Processor, V_{CC} = 12 V Typ



ECG1423 8-Pin SIP-HS See Fig. L77
ECG1424 8-Pin SIP-HS See Fig. L78

IC-AF PO, 5.7 W, V_{CC} = 13.2 V, R_L = 4 Ω

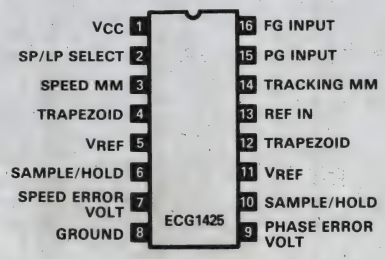


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Linear IC and Module Circuits (cont'd)

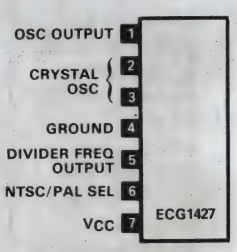
ECG1425 16-Pin DIP See Fig. L111

IC-VCR Capstan Servo Control, V_{CC} = 12 V Typ



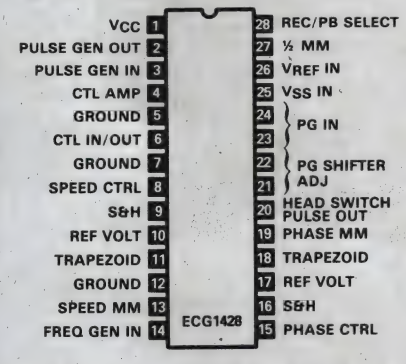
ECG1427 7-Pin SIP See Fig. L27

IC-VCR Reference Freq Divider, V_{CC} = 9 V Typ



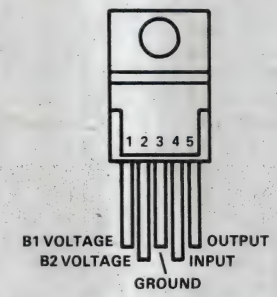
ECG1428 28-Pin DIP See Fig. L124

IC-VCR Cylinder Servo Control, V_{CC} = 12 V Typ



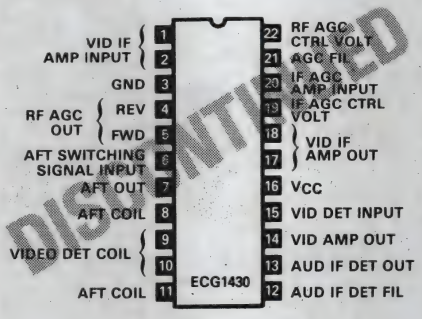
ECG1429 TO-220, 5-Pin See Fig. L19

IC-Vert Output, B_1 = 110 V Typ, B_2 = 40 to 60 V



ECG1430 22-Pin DIP See Fig. L121

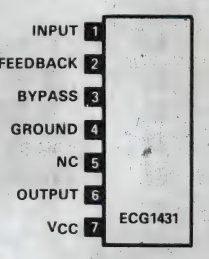
IC-TV VIF Amp, Det, AFT, AGC and Video Amp, V_{CC} = 12 V Typ



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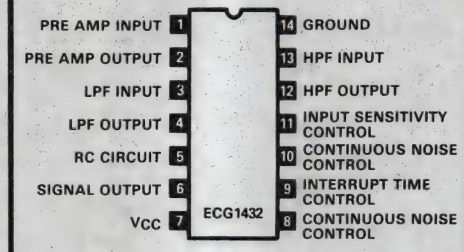
ECG1431 7-Pin SIP See Fig. L26

IC-Audio Driver, V_{CC} = 6 V Typ



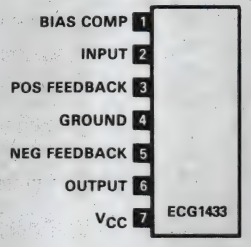
ECG1432 14-Pin DIP See Fig. L104

IC-FM Noise Canceller (Auto Ignition), V_{CC} = 12 V Typ



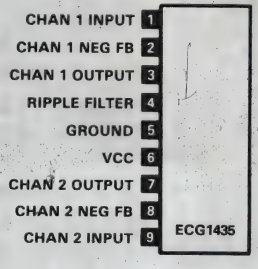
ECG1433 7-Pin SIP See Fig. L26

IC-Audio Preamp, V_{CC} = 35 V Typ



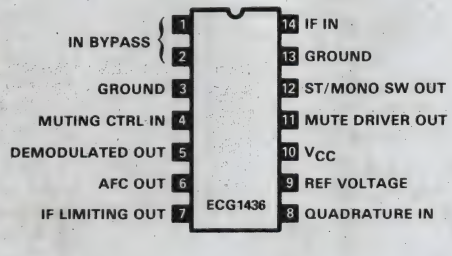
ECG1435 9-Pin SIP See Fig. L41

IC-Dual Audio Preamp, V_{CC} = 8 V Typ



ECG1436 14-Pin DIP See Fig. L104

IC-FM IF Amp, Limiter, Det, AFC, Stereo-Mono Switch, V_{CC} = 12 V Typ

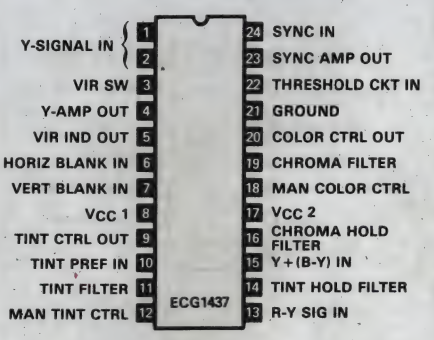


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Linear IC and Module Circuits (cont'd)

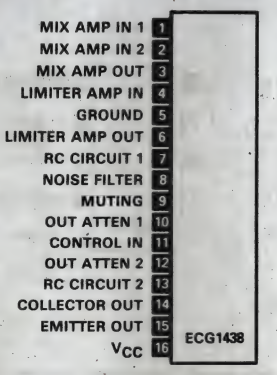
ECG1437 24-Pin DIP See Fig. L122

IC-VIR Signal Processor, $V_{CC1} = 12$ V Typ, $V_{CC2} = 5.1$ V Typ



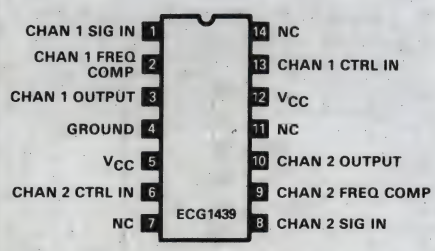
ECG1438 16-Pin ZIL See Fig. L47

IC-Audio Tape Program Selector, $V_{CC} = 6$ V Typ



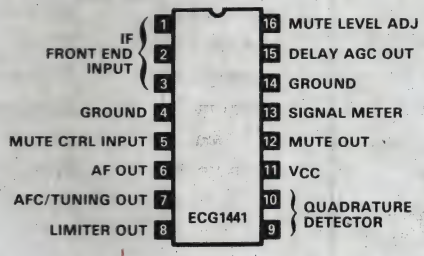
ECG1439 14-Pin DIP-ET See Fig. L140

IC-Dual Attenuator, $V_{CC} = 12$ V Typ



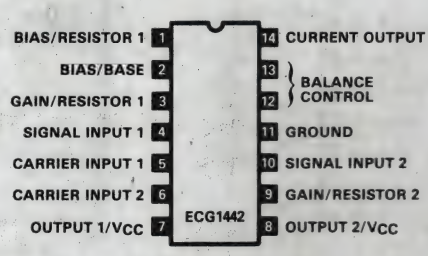
ECG1441 16-Pin DIP See Fig. L111

IC-FM IF Amp, Limiter, Det, AF Amp, $V_{CC} = 12$ V Typ



ECG1442 14-Pin DIP See Fig. L104

IC-Balanced Modulator, 10 MHz BW, $V_{CC} = 12$ V Typ



ECG1443 14-Pin DIP See Fig. L104

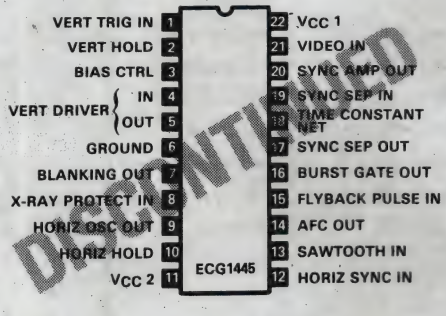
IC-TV Sound IF Amp, $V_{CC} = 12$ V Typ



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ECG1445 22-Pin DIP See Fig. L121

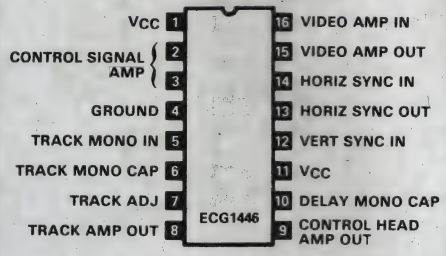
IC-Horiz/Vert Osc, AFC, Sync Sep, $V_{CC} = 12$ V Typ



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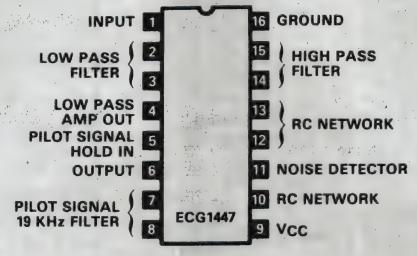
ECG1446 16-Pin DIP See Fig. L112

IC-VCR Servo Control, $V_{CC} = 12$ V Typ



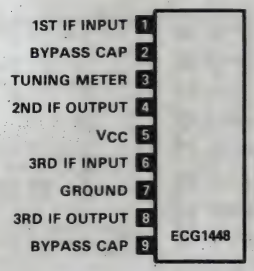
ECG1447 16-Pin DIP See Fig. L111

IC-FM Noise Canceller (Auto Ignition), $V_{CC} = 12$ V Typ



ECG1448 9-Pin SIP See Fig. L41

IC-FM IF Amp, $V_{CC} = 9$ V Typ



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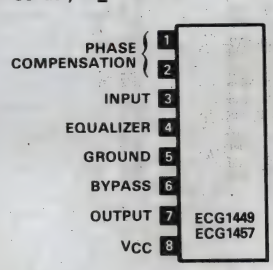
Linear IC and Module Circuits (cont'd)

ECG1449 8-Pin SIP See Fig. L32

IC-Lo Noise Equalizer Amp, V_{CC} = 30 V Typ, V_G = 89 dB, R_L = 47 KΩ

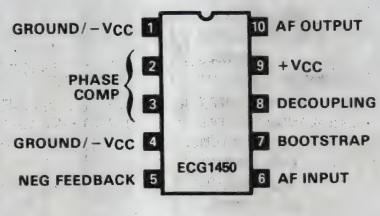
ECG1457 8-Pin SIP See Fig. L32

IC-Lo Noise Audio Preamp, V_{CC} = 20 V Typ, V_G = 89 dB, R_L = 47 KΩ



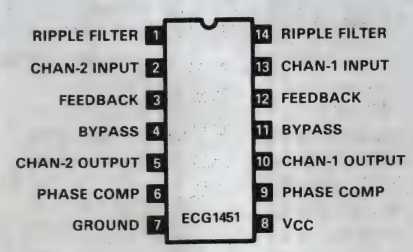
ECG1450 10-Pin DIP See Fig. L102

IC-AF PO, 5 W, V_{CC} = +20 V/ ±10 V Typ, R_L = 8 Ω



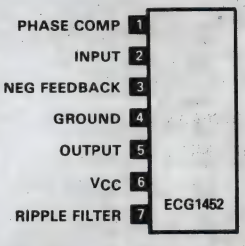
ECG1451 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, V_{CC} = 30 V Typ, V_G = 89 dB



ECG1452 7-Pin SIP See Fig. L27

IC-AF PO, 1 W, V_{CC} = 9 V Typ, R_L = 8 Ω

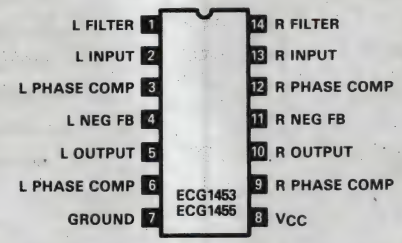


ECG1453 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, V_{CC} = 15 V Typ, V_G = 88 dB

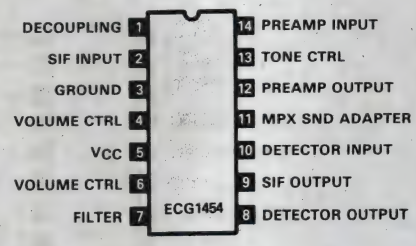
ECG1455 14-Pin DIP See Fig. L104

IC-Dual Channel Equalizer Amp, V_{CC} = 20 V Typ, V_G = 90 dB



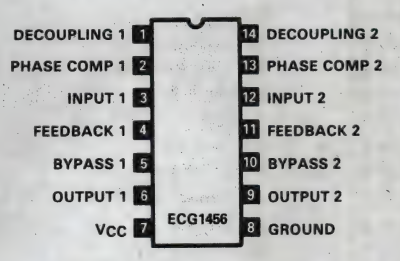
ECG1454 14-Pin DIP See Fig. L104

IC-Sound IF Amp, FM Det, V_{CC} = 12 V Typ



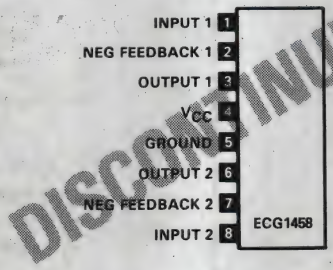
ECG1456 14-Pin DIP See Fig. L104

IC-Dual Audio Preamp, V_{CC} = 8 V, V_G = 46 dB Min



ECG1458 8-Pin SIP See Fig. L35

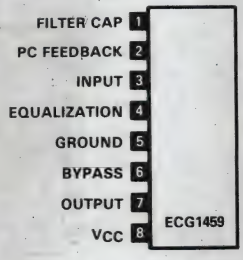
IC-Dual Audio Preamp, V_{CC} = 13.2 V, V_G = 88 dB, R_L = 10 KΩ



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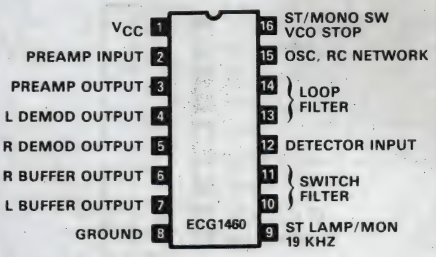
ECG1459 8-Pin SIP See Fig. L32

IC-Lo Noise Equalizer Amp, V_{CC} = 9 V, V_G = 79 dB



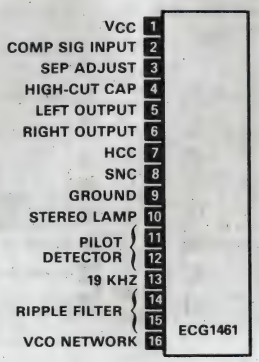
ECG1460 16-Pin DIP See Fig. L111

IC-Stereo Demod w/PLL, Stereo/Mono Sw, Stereo Indicator, Lamp Driver, V_{CC} = 12 V Typ



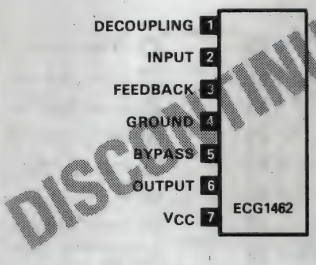
ECG1461 16-Pin ZIL See Fig. L46

IC-PLL FM, Stereo Demod, V_{CC} = 10 V Typ



ECG1462 7-Pin SIP See Fig. L24

IC-Audio Preamp, V_{CC} = 35 V Typ, V_G = 40 dB

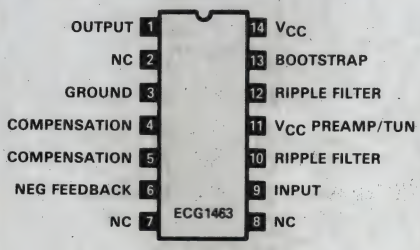


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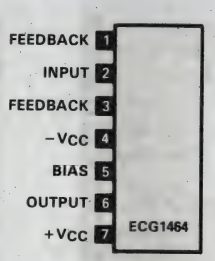
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

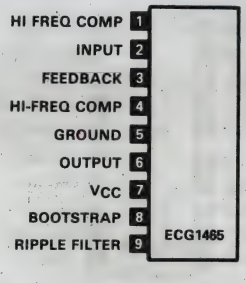
ECG1463 14-Pin DIP-ET See Fig. L144
IC-AF PO, 2.3 W, V_{CC} = 9 V Typ, R_L = 4 Ω



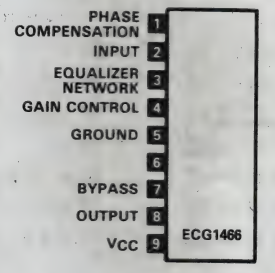
ECG1464 7-Pin SIP See Fig. L24
IC-Audio Preamp, V_{CC} = ±15 V Typ, V_G = 92 dB



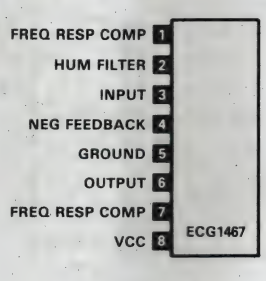
ECG1465 9-Pin SIP See Fig. L36
IC-AF PO, 500 mW, V_{CC} = 6 V Typ, R_L = 8 Ω



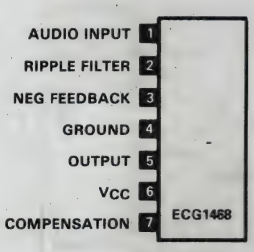
ECG1466 9-Pin SIP See Fig. L39
IC-Audio Preamp, V_{CC} = 5 V Typ, V_G = 35 dB



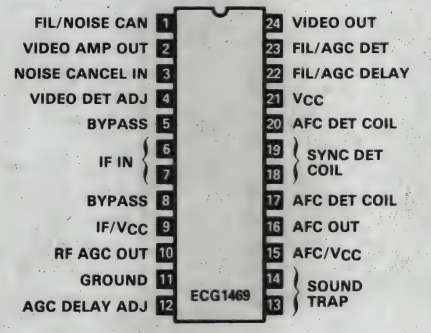
ECG1467 8-Pin SIP See Fig. L35
IC-AF PO, 500 mW, V_{CC} = 6 V, R_L = 8 Ω



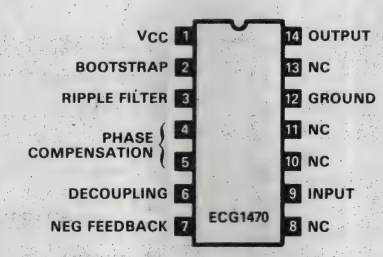
ECG1468 7-Pin SIP See Fig. L24
IC-Audio Preamp, V_{CC} = 20 V Typ, V_G = 40 dB



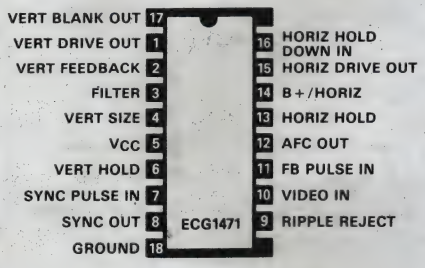
ECG1469 24-Pin DIP See Fig. L122
IC-TV Video IF Amp, Det, AGC, AFC and Noise Filter, V_{CC} = 12 V Typ



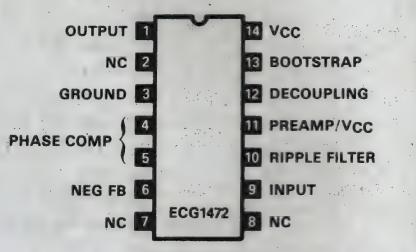
ECG1470 14-Pin DIP-ET See Fig. L144
IC-AF PO, 2.5 W, V_{CC} = 14 V Typ, R_L = 8 Ω



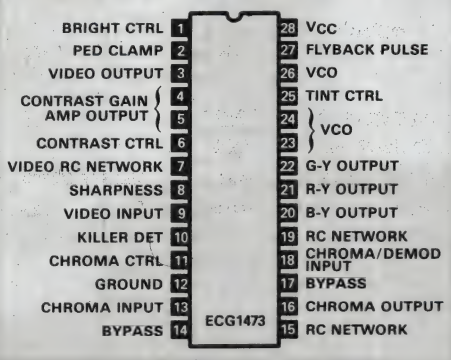
ECG1471 16+2-Pin DIP-ET See Fig. L114
IC-TV Horiz Osc, AFC, Sync Sep, Vert Osc and Blanking Pulse Gen, V_{CC} = 12 V Typ



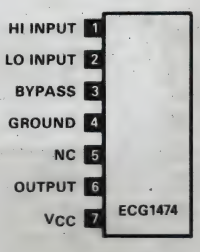
ECG1472 14-Pin DIP-ET See Fig. L144
IC-AF PO, 1 W, V_{CC} = 6 V Typ, R_L = 4 Ω



ECG1473 28-Pin DIP See Fig. L124
IC-TV Chroma and Video Processor, V_{CC} = 12 V Typ



ECG1474 7-Pin SIP See Fig. L24
IC-FM IF Amp, V_{CC} = 12 V Typ, V_G = 34 dB



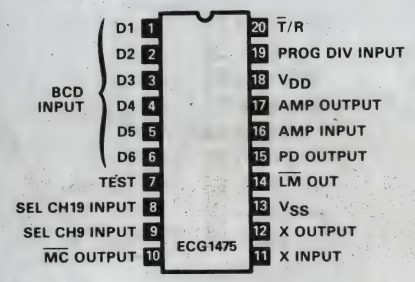
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Linear IC and Module Circuits (cont'd)

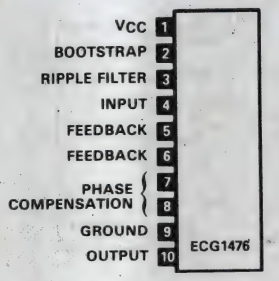
ECG1475 20-Pin DIP See Fig. L118

IC-CB PLL Freq Synthesizer (CMOS), V_{DD} = 6 V Typ



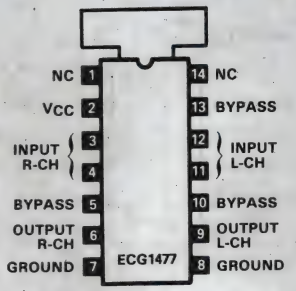
ECG1476 10-Pin SIP-HS See Fig. L85

IC-AF PO, 1.4 W, V_{CC} = 7.5 V Typ, R_L = 4 Ω



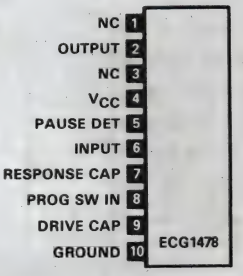
ECG1477 14-Pin DIP-ET See Fig. L144

IC-Dual Lo Pwr AF PO or Driver, V_{CC} = 14 V Typ, V_G = 9 dB, R_L = 8 Ω



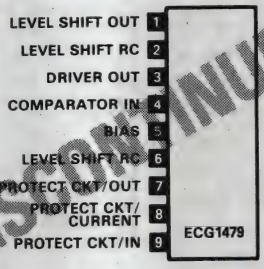
ECG1478 10-Pin SIP-HS See Fig. L86

IC-Solenoid Driver and Signal Sensing Ckt, V_{CC} = 13.2 V, 4 A



ECG1479 9-Pin SIP See Fig. L36

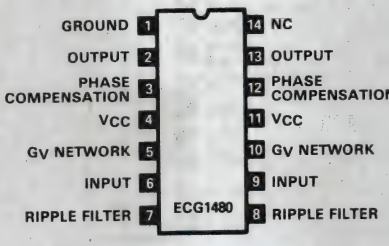
IC-TV Pwr Supply Controller



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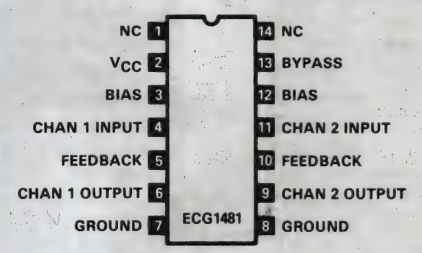
ECG1480 14-Pin DIP See Fig. L104

IC-Dual Channel Audio Preamp, V_{CC} = 25 V Typ, V_G = 95 dB, R_L = 75 KΩ



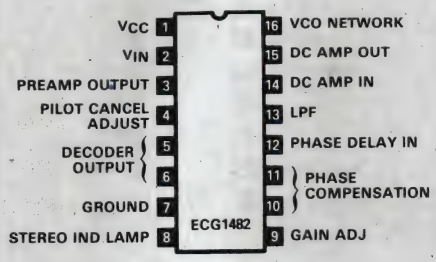
ECG1481 14-Pin DIP-ET See Fig. L144

IC-Dual Channel Audio Amp, Headphone Amp, Line Amp, V_{CC} = 12 V Typ, V_G = 38 dB, R_L = 39 Ω



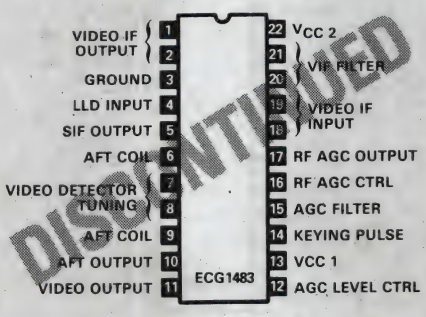
ECG1482 16-Pin DIP See Fig. L112

IC-FM PLL Stereo Demod w/Pilot Cancel, V_{CC} = 13 V Typ



ECG1483 22-Pin DIP See Fig. L121

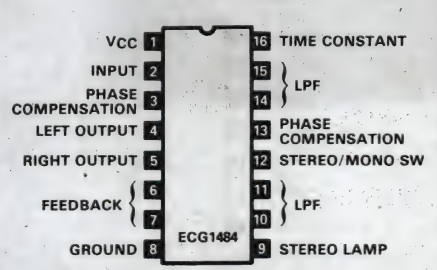
IC-TV Video IF Amp, Det, AGC, AFT, Noise Clip, RF AGC, Sound IF Det, V_{CC1} = 12 V Typ, V_{CC2} = 7 V Typ



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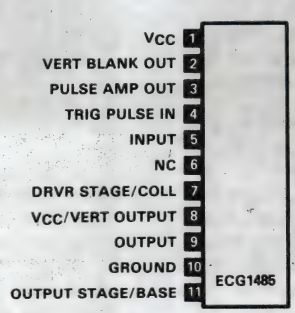
ECG1484 16-Pin DIP See Fig. L111

IC-FM PLL Stereo Demod, Indicator Lamp Dr, V_{CC} = 12 V Typ



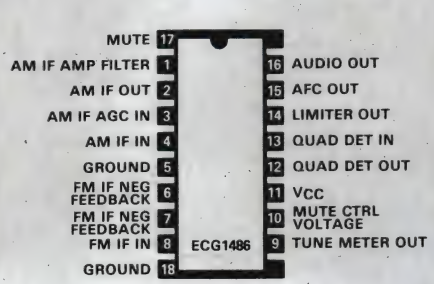
ECG1485 11-Pin SIP See Fig. L54

IC-TV Vert Driver and Output, V_{CC} = 24 V Typ



ECG1486 16+2 Pin DIP-HS See Fig. L114

IC-AM/FM IF Amp, Limiter, Det, AFC, Mute and Meter Level Drivers, V_{CC} = 12 V Typ

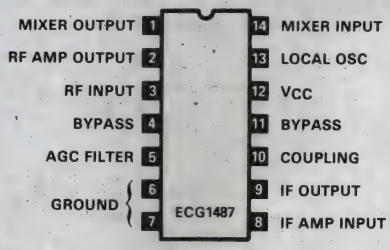


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Linear IC and Module Circuits (cont'd)

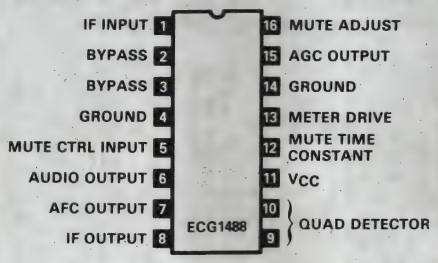
ECG1487 14-Pin DIP See Fig. L104

IC-AM RF Amp, Mixer, Osc, IF Amp, Det and AGC, V_{CC} = 12 V Typ



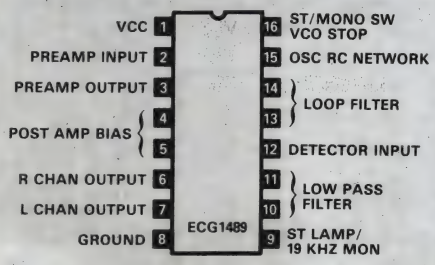
ECG1488 16-Pin DIP See Fig. L111

IC-FM IF Amp, Det, Audio Preamp w/Mute, AGC, AFC and Meter Driver, V_{CC} = 13 V Typ



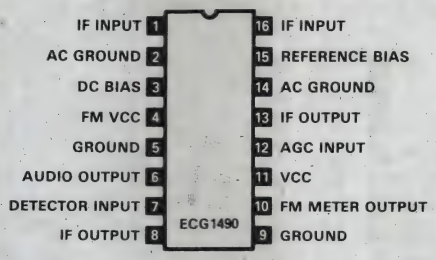
ECG1489 16-Pin DIP See Fig. L111

IC-Stereo Demodulator, V_{CC} = 12 V Typ



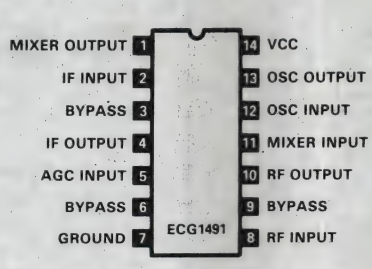
ECG1490 16-Pin DIP See Fig. L111

IC-AM/FM IF Amp, Det, AF Preamp, Meter Driver, V_{CC} = 8 V Max



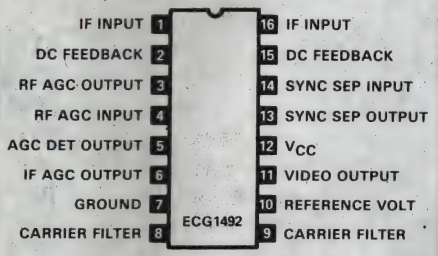
ECG1491 14-Pin DIP See Fig. L104

IC-AM RF/IF Amp, V_{CC} = 13 V Typ



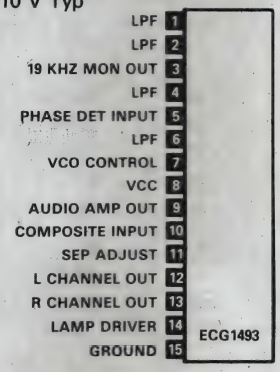
ECG1492 16-Pin DIP See Fig. L111

IC-TV Video IF Amp, Sync Sep and AGC, V_{CC} = 11 V Typ



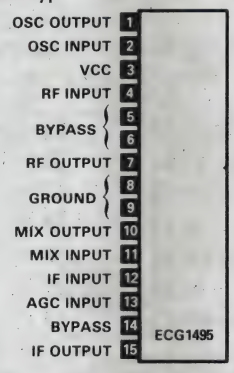
ECG1493 15-Lead Formed SIP See Fig. L45

IC-FM Mux Stereo Demodulator, V_{CC} = 10 V Typ



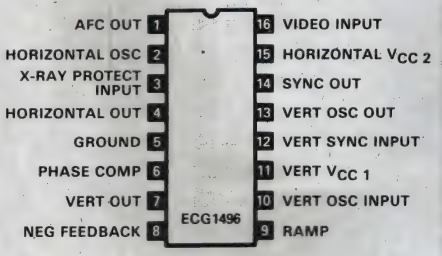
ECG1495 15-Lead Formed SIP See Fig. L45

IC-AM RF Amp, Mixer and IF Amp, V_{CC} = 13 V Typ



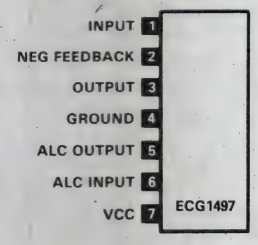
ECG1496 16-Pin DIP See Fig. L111

IC-Sync Sep, Vert/Horiz Osc, X-Ray Prot Ckt, V_{CC1} = 12 V Typ, V_{CC2} = 15 V Typ



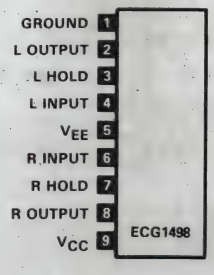
ECG1497 7-Pin SIP See Fig. L25

IC-AF Preamp w/Automatic Level Control, V_{CC} = 5 V Typ



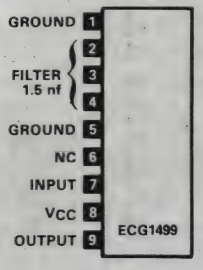
ECG1498 9-Pin SIP See Fig. L39

IC-Dual Channel Peak Pwr Meter Driver, V_{CC} = +14V/ ±7 V Typ



ECG1499 9-Pin SIP See Fig. L39

IC-1/20 Divider Prescaler, Input Freq (40-120) MHz, V_{CC} = 5.2 V Typ



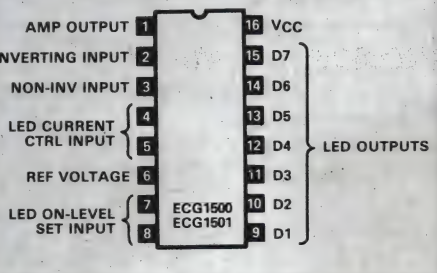
Package Outlines - See Page 1-269

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Linear IC and Module Circuits (cont'd)

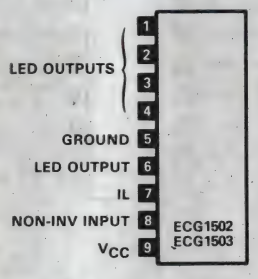
ECG1500 16-Pin DIP-ET See Fig. L151
IC-Voltage Level Ind. Dr, 7 Step Output for LED, Log Scale, V_{CC} = 9 V Typ

ECG1501
IC-Voltage Level Ind. Dr, 7 Step Output for LED, Linear Scale, V_{CC} = 9 V Typ



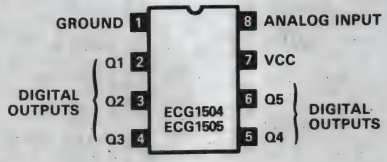
ECG1502 9-Pin SIP See Fig. L41
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale, V_{CC} = 16 V Typ

ECG1503
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale, V_{CC} = 16 V Typ

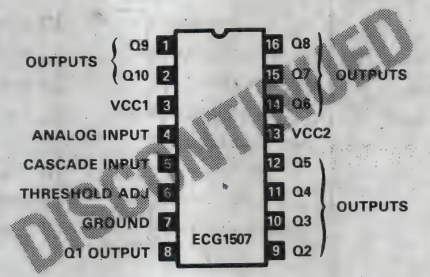


ECG1504 8-Pin DIP See Fig. L97
IC-Voltage Level Ind. Dr, 5 Step Log, Open Collector Outputs, V_{CC} = 12 V Typ

ECG1505
IC-Voltage Level Ind. Dr, 5 Step Linear, Open Collector Outputs, V_{CC} = 12 V Typ



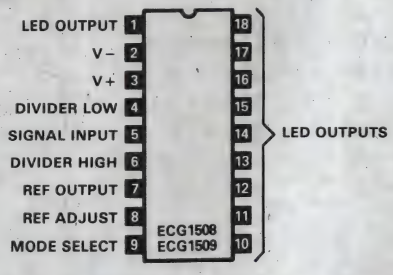
ECG1507 16-Pin DIP See Fig. L111
IC-Voltage Level Ind. Dr, 10 Step Linear, Open Emitter Outputs, V_{CC1} = 12 V Typ, V_{CC2} = 25 V Typ



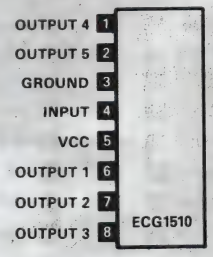
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ECG1508 18-Pin DIP See Fig. L115
IC-Voltage Level Ind. Dr, 10 Step Linear, Open Collector Outputs, V+ = 25 V Max

ECG1509
IC-Voltage Level Ind. Dr, 10 Step Log, Open Collector Outputs, V+ = 25 V Max

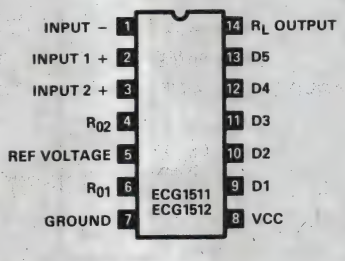


ECG1510 8-Pin SIP See Fig. L35
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale, V_{CC} = 10 V Typ

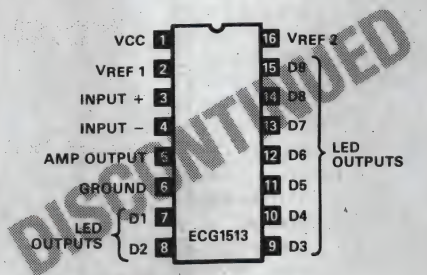


ECG1511 14-Pin DIP-ET See Fig. L144
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Linear Scale, V_{CC} = 18 V Max

ECG1512
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale, V_{CC} = 18 V Max

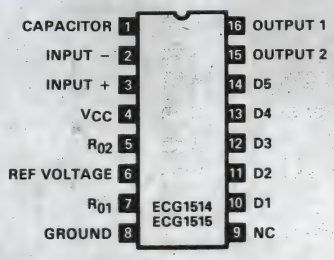


ECG1513 16-Pin DIP See Fig. L111
IC-Voltage Level Ind. Dr, 9 Step Output for LED, Log Scale, V_{CC} = 12 V Typ, V_{REF1} = 3 V Max, V_{REF2} = 5.2 V Max

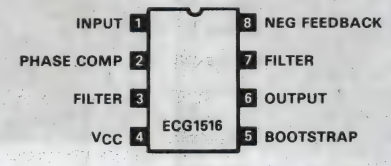


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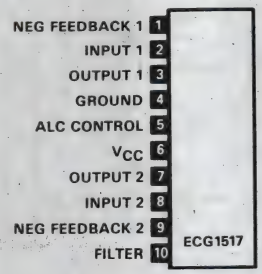
ECG1514, ECG1515 16-Pin DIP See Fig. L111
IC-Voltage Level Ind. Dr, 5 Step Output for LED, Log Scale, V_{CC} = 6 V Typ



ECG1516 8-Pin DIP-ET See Fig. L138
IC-AF PO, 1.8 W, V_{CC} = 9 V, R_L = 4 Ω



ECG1517 10-Pin SIP See Fig. L42
IC-Dual Audio Preamp w/ALC, V_G = 46 dB

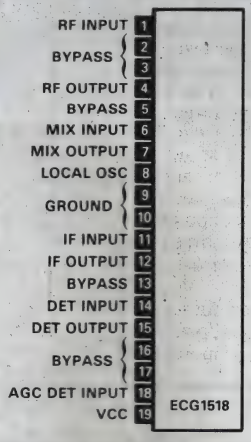


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

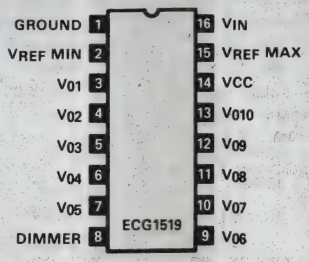
ECG1518 19-Lead Formed SIP See Fig. L48

IC-AM RF/IF/Detector/AGC, V_{CC} = 13 V Typ



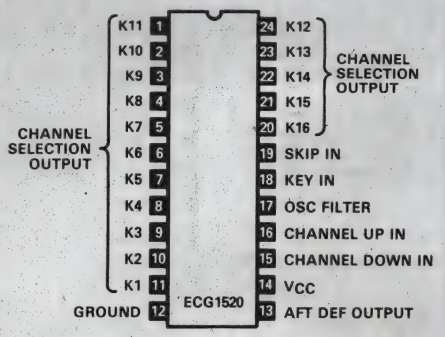
ECG1519 16-Pin DIP See Fig. L111

IC-Voltage Level Ind. Dr, 10 Step Output for LED, Linear Scale, V_{CC} = 12 V Typ



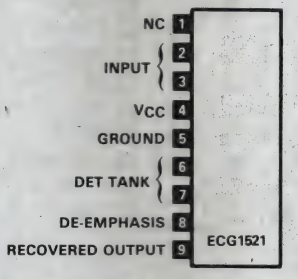
ECG1520 24-Pin DIP See Fig. L122

IC-Electronic Channel Selector, V_{CC} = 6 V Typ



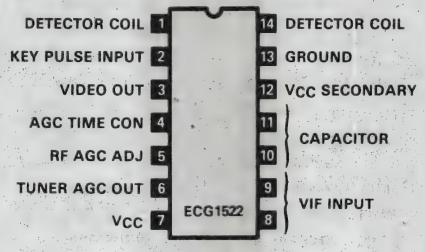
ECG1521 9-Pin SIP See Fig. L39

IC-TV Sound IF Amp and Detector, V_{CC} = 12 V Typ



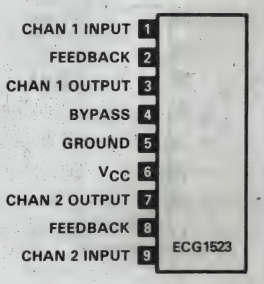
ECG1522 14-Pin DIP-ET See Fig. L145

IC-Video IF Amp, Det and Video Amp, V_{CC} = 12 V Typ



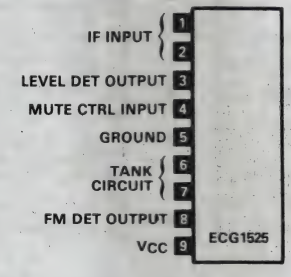
ECG1523 9-Pin SIP See Fig. L39

IC-Dual Lo Noise Audio Preamp, V_{CC} = 8 V Typ, V_G = 70 dB, R_L = 10 KΩ



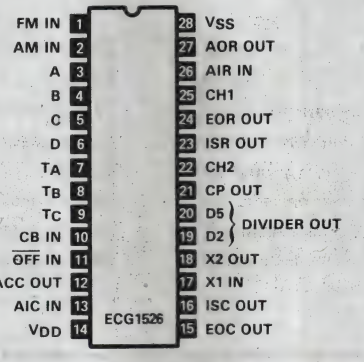
ECG1525 9-Pin SIP See Fig. L39

IC-FM Differential IF Amp Det w/Meter Driver and Muting Ckt, V_{CC} = 12 V Typ



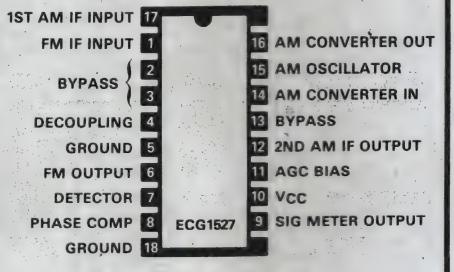
ECG1526 28-Pin DIP See Fig. L124

IC-PLL Freq Synthesizer for FM Stereo (CMOS), V_{DD} = 5 V Typ



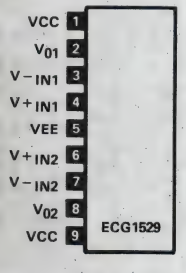
ECG1527 16+2-Pin DIP-ET See Fig. L114

IC-FM, IF Amp, AFC and Meter Driver, AM Conv, IF Amp and AGC, V_{CC} = 5.5 V Typ



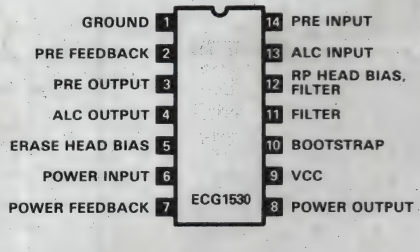
ECG1529 9-Pin SIP See Fig. L39

IC-Dual OP Amp, V_{CC} = 15 V Typ



ECG1530 14-Pin DIP-ET See Fig. L146

IC-AF PO, 450 mW, V_{CC} = 6 V Typ



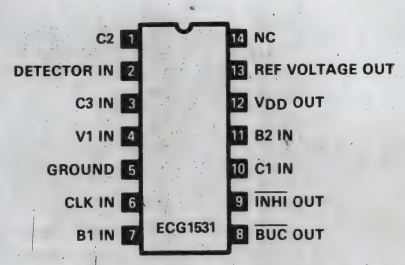
N

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Linear IC and Module Circuits (cont'd)

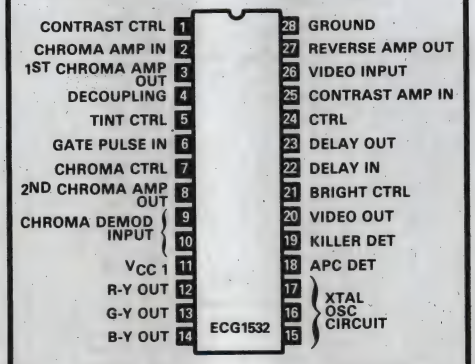
ECG1531 14-Pin DIP-ET See Fig. L144

IC-Voltage Regulator for Electronic Tuner



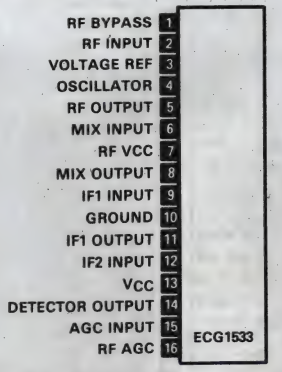
ECG1532 28-Pin DIP See Fig. L124

IC-TV Video, Chroma Amp, Demod, ACC, APC, VCO, V_{CC} = 12 V Typ



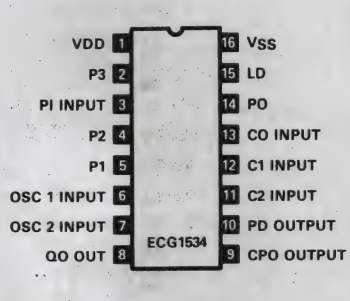
ECG1533 16-Pin ZIL See Fig. L46

IC-AM RF Amp, Mixer, Osc, IF Amp, Det and AGC, V_{CC} = 8 V Typ



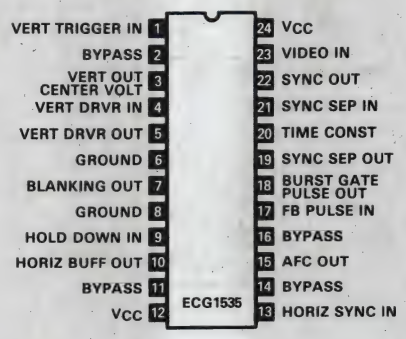
ECG1534 16-Pin DIP See Fig. L111

IC-AM/FM PLL Freq Synthesizer (CMOS), VDD = 6 V Typ



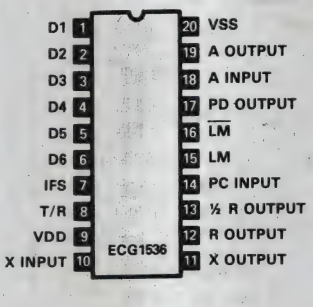
ECG1535 24-Pin DIP See Fig. L122

IC-TV Sync, Horiz/Vert Osc, Driver, AFC and HV Holddown, V_{CC} = 12 V Typ



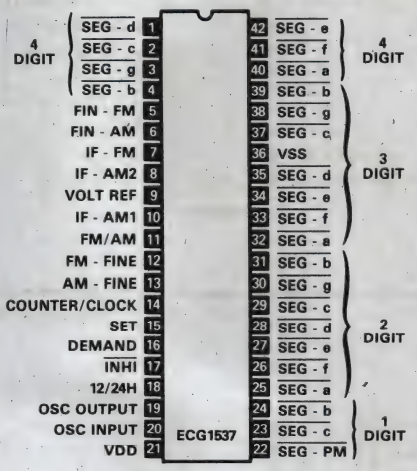
ECG1536 20-Pin DIP See Fig. L118

IC-CB PLL Freq Synthesizer (CMOS), VDD = 7 V Typ



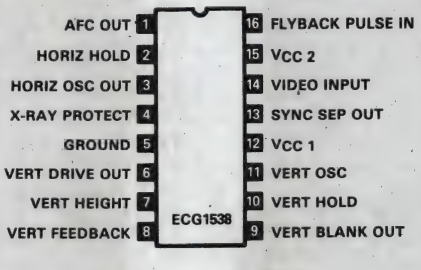
ECG1537 42-Pin DIP See Fig. L126

IC-Time-Freq Display for AM/FM w/ Stopwatch Day/Date (CMOS), VDD = 8 V Typ, V_{SS} = 0 V Typ, V_{REF} = < VDD



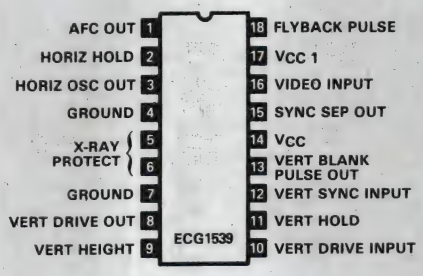
ECG1538 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep, V_{CC} = 12 V Typ



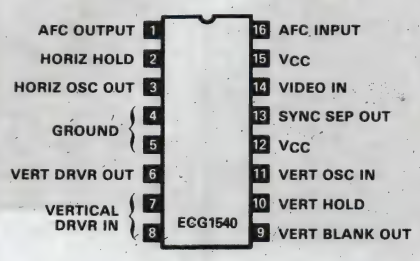
ECG1539 18-Pin DIP See Fig. L115

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep, V_{CC} = 12 V Typ



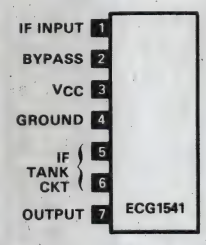
ECG1540 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Osc, Driver, Vert Blank, AFC and Sync Sep, V_{CC} = 12 V Typ



ECG1541 7-Pin SIP See Fig. L31

IC-FM IF Amp Detector, V_{CC} = 12 V Typ

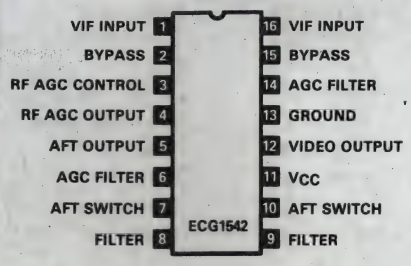


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

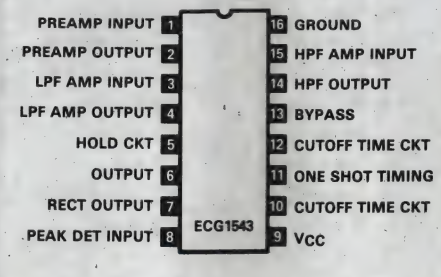
ECG1542 16-Pin DIP See Fig. L111

Video IF Amp/Detector/AGC/AFT, V_{CC} = 12 V Typ



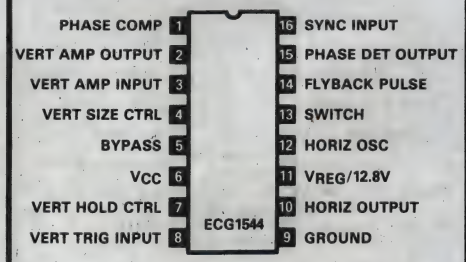
ECG1543 16-Pin DIP See Fig. L111

IC-FM Noise Suppressor (40 dB Typ), V_{CC} = 12.4 V Typ



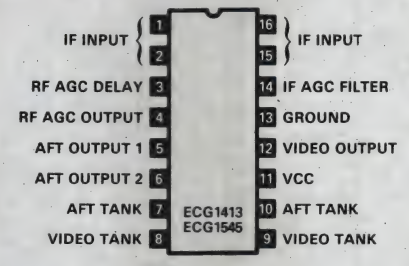
ECG1544 16-Pin DIP See Fig. L111

IC-TV Horiz/Vert Oc, Driver, AFC and X-Ray Prot, V_{CC} = 12 V Typ



ECG1545 16-Pin DIP See Fig. L111

IC-VIF, AGC Amp with AFT, V_{CC} = 12 V Typ



ECG1546 TO-3, 3-Pin See Fig. L11A

Output = +130 V DC, 1 A

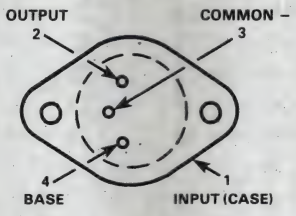
***ECG1548**

Output = +123 V DC, 1 A

***ECG1553**

Output = +127 V DC, 1 A

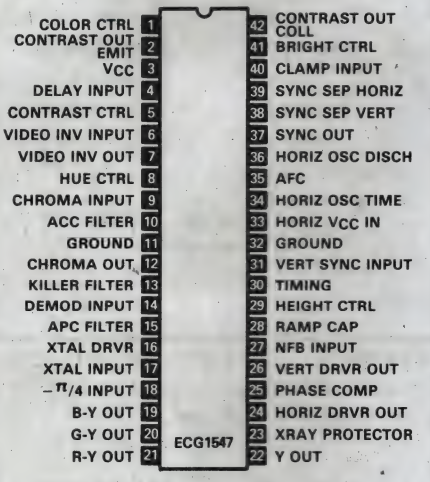
Hybrid TV Voltage Regulator



* ECG1548, ECG1553 Discontinued

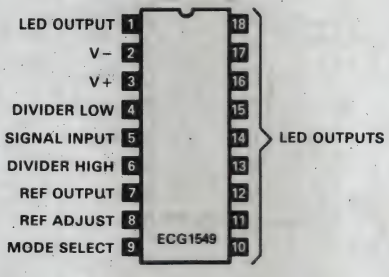
ECG1547 42-Pin DIP See Fig. L126

Video-Chroma Demod/Horiz/Vert/Osc Dr, V_{CC} = 12 V Typ



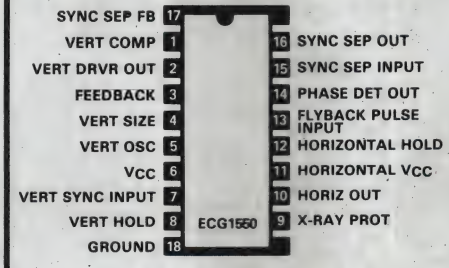
ECG1549 18-Pin DIP See Fig. L115

Voltage Level Ind. Dr, 10 Step VU Meter



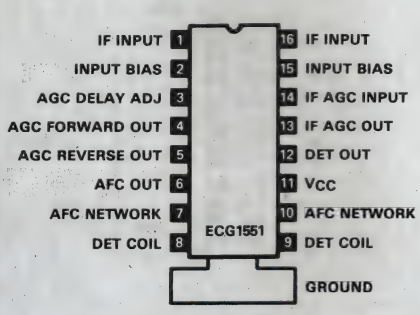
ECG1550 16+2-Pin DIP-ET See Fig. L114

TV Sync Signal Processor, V_{CC} = 12 V Typ



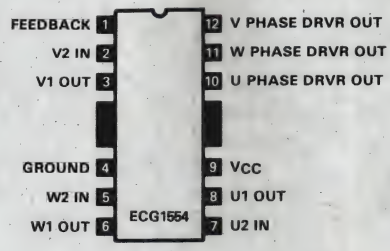
ECG1551 16-Pin DIP-ET See Fig. L151

TV Video IF Amp w/Detector, AGC, AFC, V_{CC} = 12 V Typ



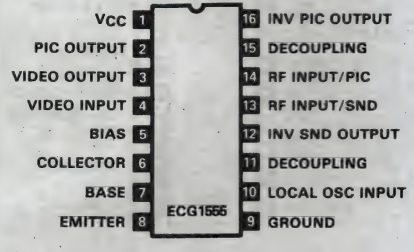
ECG1554 12-Pin DIP-W See Fig. L130

VCR Cylinder and Capstan Motor Drive, V_{CC} = 18 V Typ



ECG1555 16-Pin DIP See Fig. L111

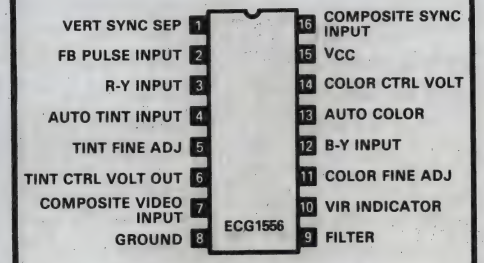
VCR Dual Balanced Mixer



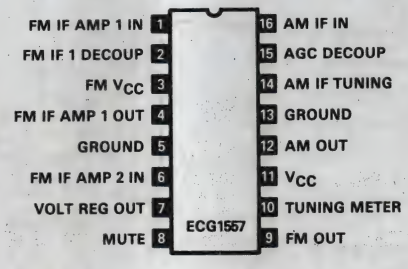
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

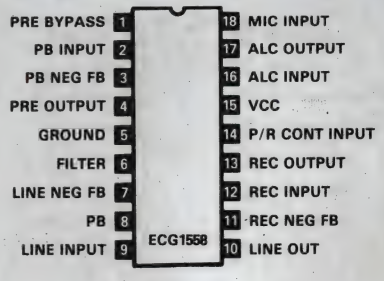
ECG1556 16-Pin DIP See Fig. L111
VIR Signal Processor, V_{CC} = 12 V Typ



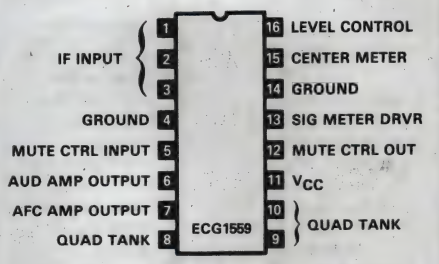
ECG1557 16-Pin DIP See Fig. L111
FM/AM IF Amp, w/Det, AM, AGC and Meter Driver, V_{CC} = 5.5 V Typ



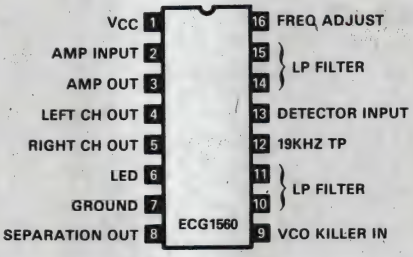
ECG1558 18-Pin DIP See Fig. L115
VCR Audio Record/Playback Amp, V_{CC} = 9 V Typ



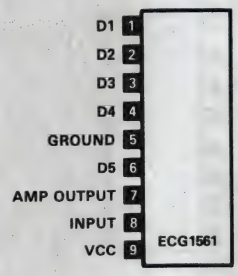
ECG1559 16-Pin DIP See Fig. L111
FM IF Amp, AFC, Det, Mute and Meter Driver, V_{CC} = 13 V Typ



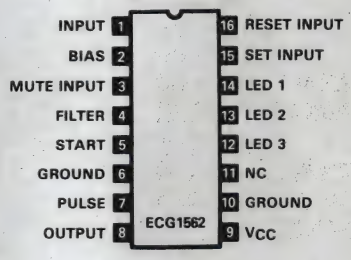
ECG1560 16-Pin DIP See Fig. L111
FM Stereo Demodulator, V_{CC} = 6 V Typ



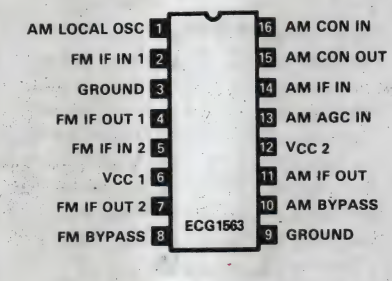
ECG1561 9-Pin SIP See Fig. L40
Voltage Level Ind. Dr, 5 Step VU Meter, Direct AC or DC Signal Inputs, I_O = 15 mA Typ/Seg, V_{CC} = 8 V Typ



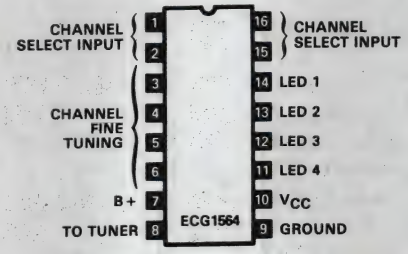
ECG1562 16-Pin DIP See Fig. L111
Programmable Search System for Audio Cassettes, V_{CC} = 9 V Typ



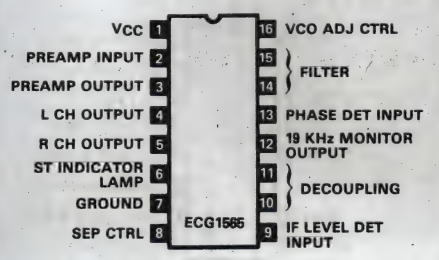
ECG1563 16-Pin DIP See Fig. L111
AM/FM IF Amp w/AM Tuner, V_{CC} = 4 V Typ



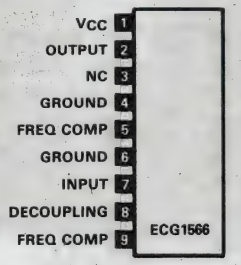
ECG1564 16-Pin DIP See Fig. L111
TV/FM Channel Selector System, B+ = 33 V, V_{CC} = 17 V Typ



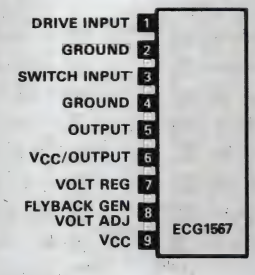
ECG1565 16-Pin DIP See Fig. L111
PLL FM Demod for Portable/Car Radio, V_{CC} = 9 V Typ



ECG1566 9-Pin SIP-HS See Fig. L81A
AF PO, 4.5 W, V_{CC} = 18 V Typ, R_L = 8 Ω



ECG1567 9-Lead Formed SIP See Fig. L81B
TV Vertical Deflection, V_{CC} = 26 V Typ



Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1568 16-Pin DIP See Fig. L112

Capstan Freq Gen for 2, 4, 6 Hr Speed Control, V_{CC} = 12 V Typ

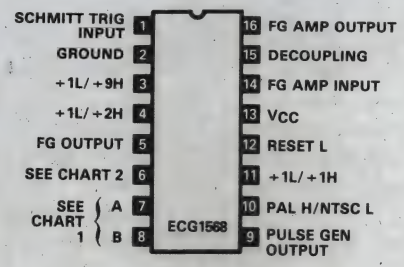


Chart 1

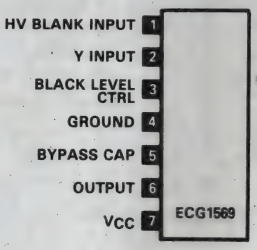
	2H	4H	6H
A	L	H	H
B	L	L	H

Chart 2

Pin 6	2H	4H	6H
H	1/2	1	1
L	1/6	1/3	1/2

ECG1569 7-Pin SIP See Fig. L29

Video Amp/Blanker/Black Control, V_{CC} = 12 V Typ

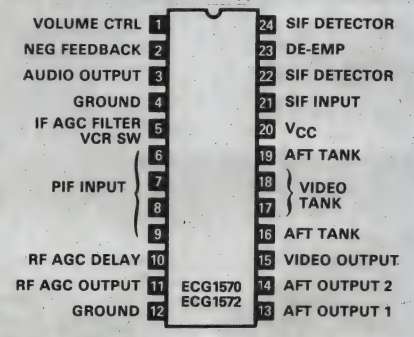


ECG1570 24-Pin DIP See Fig. L122

TV Video/IF/SIF/Det/AGC/Audio Driver for NPN Tuner, V_{CC} = 12 V Typ

***ECG1572**

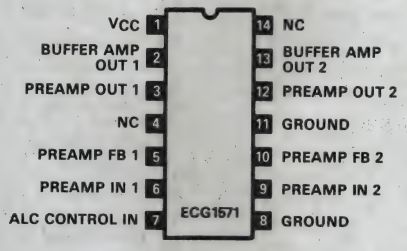
TV Video/IF/SIF/Det/AGC/Audio Driver for FET Tuner, V_{CC} = 12 V Typ



*ECG1572 Discontinued

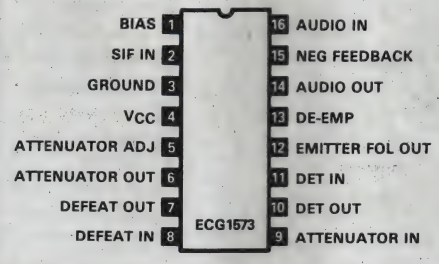
ECG1571 14-Pin DIP See Fig. L104

Dual Audio Preamp with ALC, V_{CC} = 6 V Typ



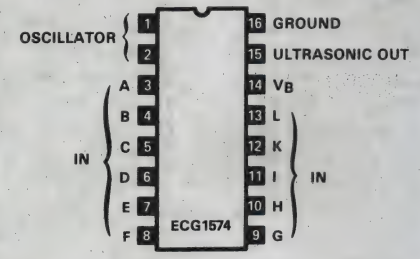
ECG1573 16-Pin DIP See Fig. L112

Sound IF, FM Limiter, Detector, Attenuator, AF Driver, V_{CC} = 11 V Typ



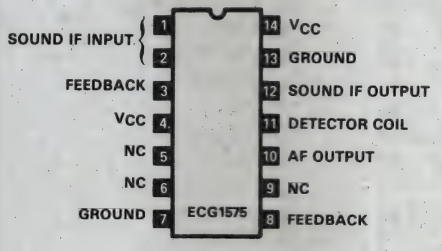
ECG1574 16-Pin DIP See Fig. L111

TV 30 Channel Remote Control Transmitter, V_B = 9 V



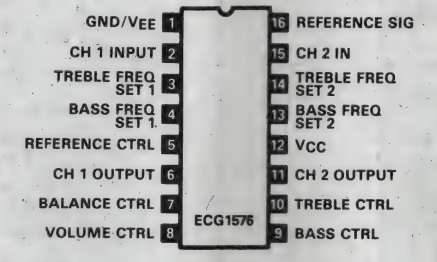
ECG1575 14-Pin DIP See Fig. L104

TV Sound IF Amp, V_{CC} = 5.5 V Typ



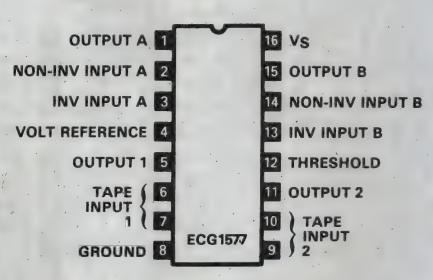
ECG1576 16-Pin DIP See Fig. L111

Dual Volume/Balance/Tone (Bass, Treble), DC Control, V_{CC} = 12 V Typ



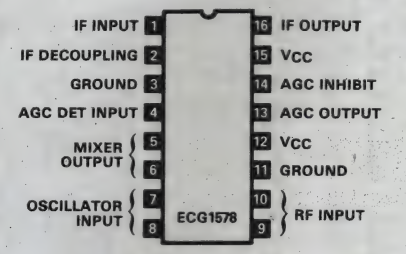
ECG1577 16-Pin DIP See Fig. L111

Dual Audio Tape Preamp (Lo Noise) w/Auto Reverse, V_S = 14.4 V



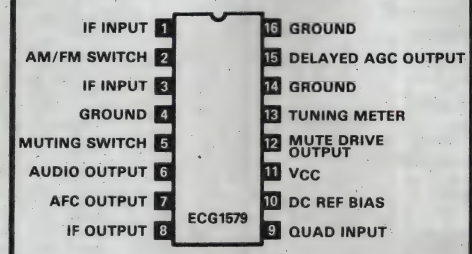
ECG1578 16-Pin DIP See Fig. L111

FM Mixer/IF Amp w/AGC Detector, V_{CC} = 8 V Typ



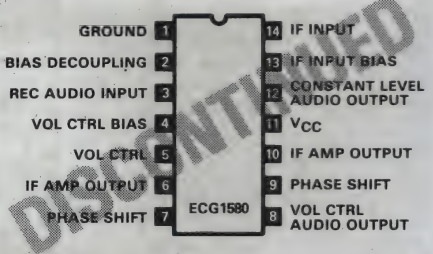
ECG1579 16-Pin DIP See Fig. L111

FM IF Amp w/AFC, Muting and Meter Driver, V_{CC} = 8 V Typ



ECG1580 14-Pin DIP See Fig. L104

TV/FM IF Amp, Det, w/VCR Audio Input, V_{CC} = 12 V Typ



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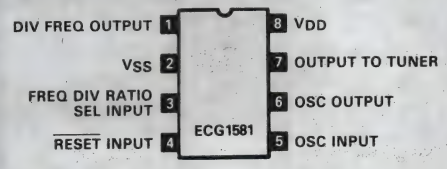
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

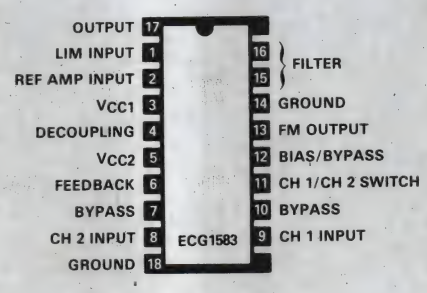
ECG1581 8-Pin DIP See Fig. L97

VCR Freq Divider/Counter (CMOS), V_{DD} = 6.5 V Typ



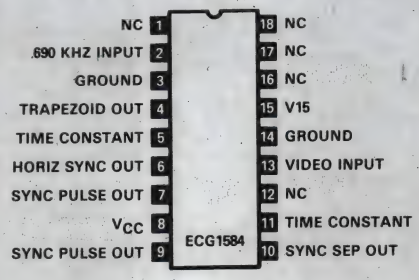
ECG1583 16+2-Pin DIP-ET See Fig. L114

VCR FM Demod/AGC/Clipper/Pre-Emph, V_{CC1} = 12 V Typ, V_{CC2} = 7 V Typ



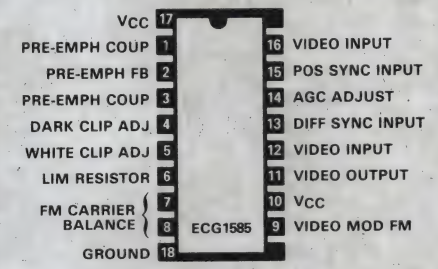
ECG1584 18-Pin DIP-ET See Fig. L152

VCR Sync Separator/Divider/Trapezoid Generator, V_{CC} = 12 V Typ



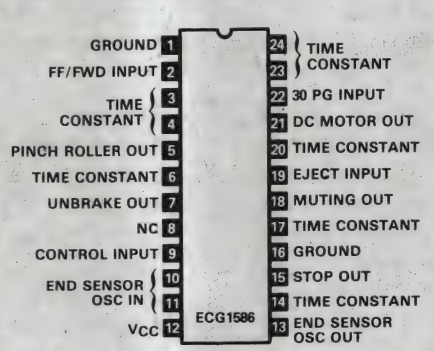
ECG1585 16+2-Pin DIP-ET See Fig. L114

VCR Video/Sync Amp/AGC/FM Mod/ Limiter, V_{CC} = 12 V Typ



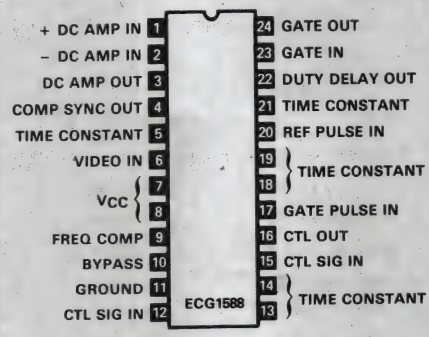
ECG1586 24-Pin DIP-ET See Fig. L153

VCR Tape Sensing/Mute/End of Tape Pause/ Load/Rotation, V_{CC} = 12 V Typ



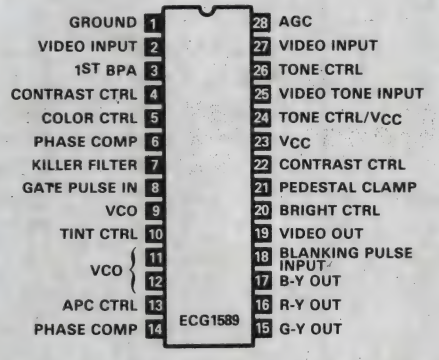
ECG1588 24-Pin DIP-ET See Fig. L153

VCR Drum Servo Control/Sync/Delay/ Tracking, V_{CC} = 12 V Typ



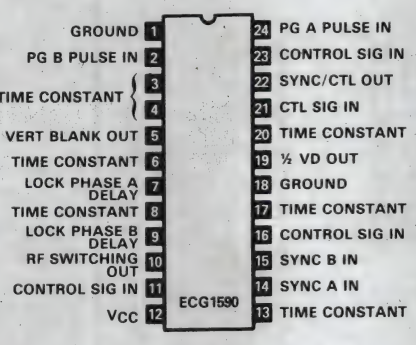
ECG1589 28-Pin DIP See Fig. L124

Chroma/Video Amp/Demod, V_{CC} = 12 V Typ



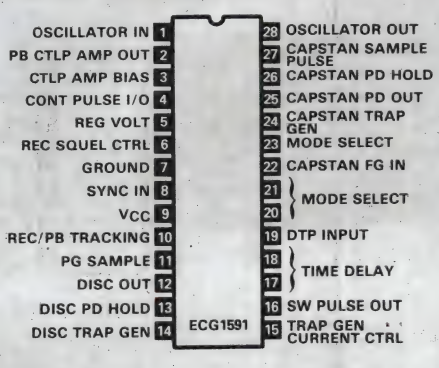
ECG1590 24-Pin DIP-ET See Fig. L153

VCR Drum/Capstan Servo Control/Phase/Blank Delay/Counter, V_{CC} = 12 V Typ



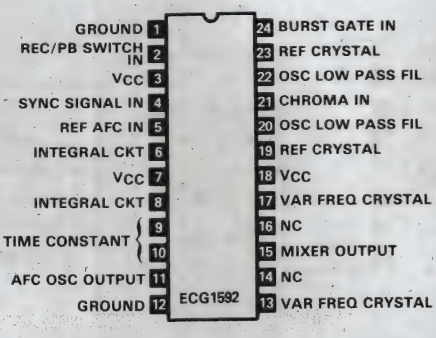
ECG1591 28-Pin DIP See Fig. L124

VCR Capstan Phase Control System, V_{CC} 12 V Typ



ECG1592 24-Pin DIP-ET See Fig. L153

VCR Auto Phase/Freq Det/Color Osc and Mixer, V_{CC} = 12 V Typ

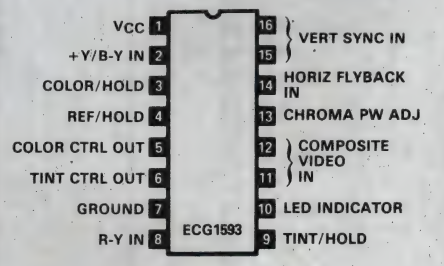


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

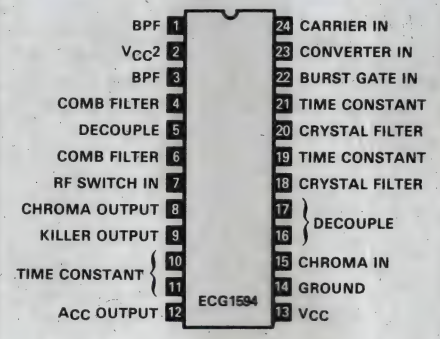
ECG1593 16-Pin DIP See Fig. L111

VIR Signal Processor, V_{CC} = 12 V Typ



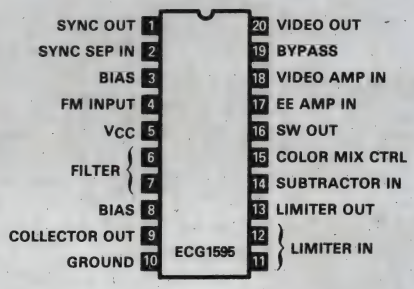
ECG1594 24-Pin DIP-ET See Fig. L153

VCR Playback/Chroma/Burst Amp/Det/Killer, V_{CC} = 12 V Typ



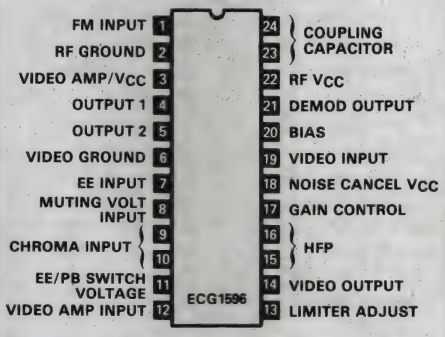
ECG1595 20-Pin DIP See Fig. L118

VCR FM Limiter Demod/Sync Sep/Video Amp, V_{CC} = 12 V Typ



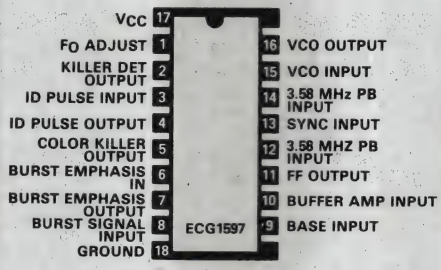
ECG1596 24-Pin DIP-ET See Fig. L153

VCR Freq Demod/Noise Cancel/Video Chroma Amp, V_{CC} = 12 V Typ



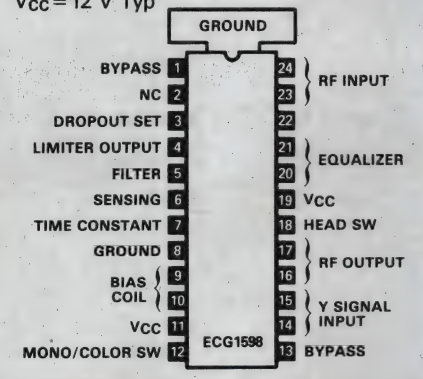
ECG1597 16+2-Pin DIP-ET See Fig. L114

Chroma Amp/VCO/Burst/Buffer Amp, V_{CC} = 14 V Max



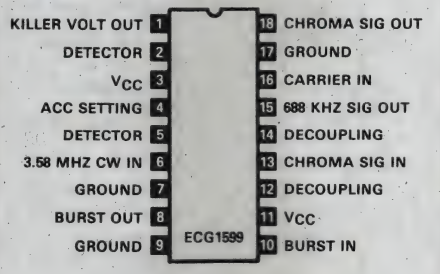
ECG1598 24-Pin DIP-ET See Fig. L153

VCR Head Amp/Limiter/Dropout Comp, V_{CC} = 12 V Typ



ECG1599 18-Pin DIP-ET See Fig. L152

VCR Chroma Processor and 688 kHz Modulator, V_{CC} = 12 V Typ

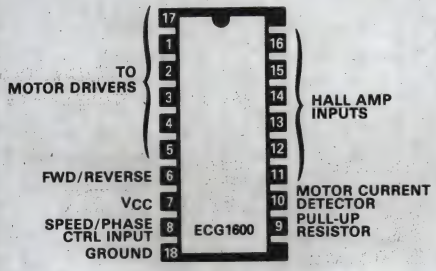


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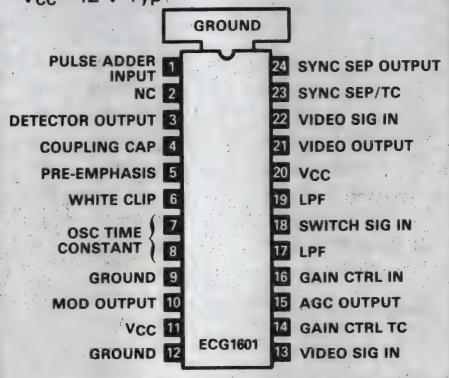
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

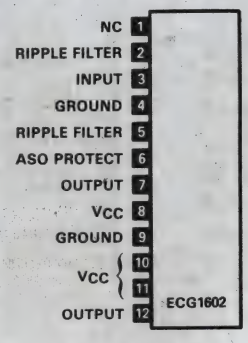
ECG1600 16+2-Pin DIP-ET See Fig. L114
VCR 3-Phase Motor Speed Control/Forward/Reverse, V_{CC} = 14 V Max



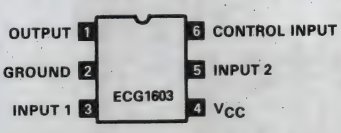
ECG1601 24-Pin DIP-ET See Fig. L153
VCR Video Sw/Sync Sep/AGC/FM Mod, V_{CC} = 12 V Typ



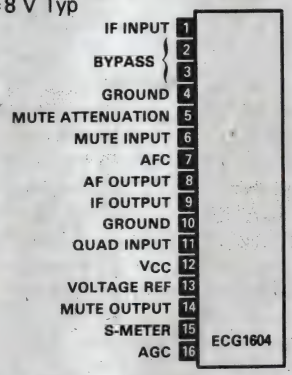
ECG1602 12-Pin SIP-HS See Fig. L92
19 W AF PO, V_{CC} = 13.2 V, R_L = 4 Ω



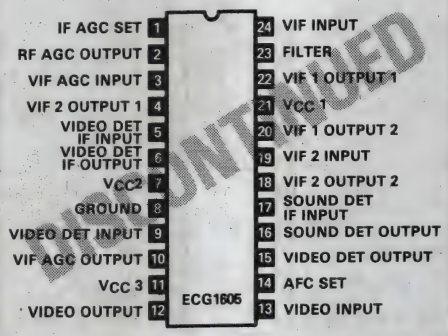
ECG1603 6-Pin DIP See Fig. L96A
VCR Electronic Switch, V_{CC} = 12 V Typ



ECG1604 16-Pin ZIL See Fig. L46
IF/Det/Preamp/Meter Drive/Mute, V_{CC} = 8 V Typ

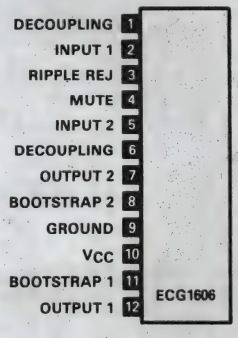


ECG1605 24-Pin DIP-ET See Fig. L153
VCR VIF Amp/Det/Video Amp/Audio Det/AGC, V_{CC} = 12 V Typ

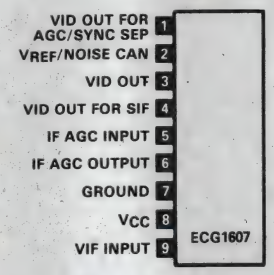


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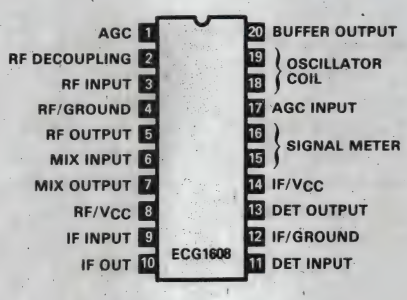
ECG1606 12-Pin SIP-HS See Fig. L92
Dual 4.3 W/Ch AF PO, V_{CC} = 12 V Typ, R_L = 4 Ω



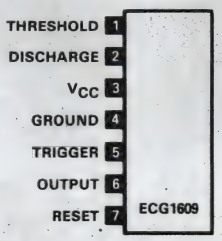
ECG1607 9-Pin SIP See Fig. L41
VIF/Det/Video Amp/AGC, V_{CC} = 5.5 V Typ



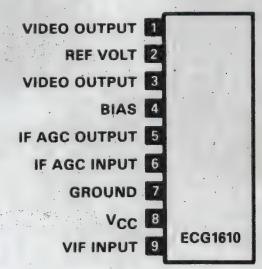
ECG1608 20-Pin DIP See Fig. L118
AM RF Amp/Osc/Mix/IF/Det for Electronic Tuning, V_{CC} = 12 V Typ



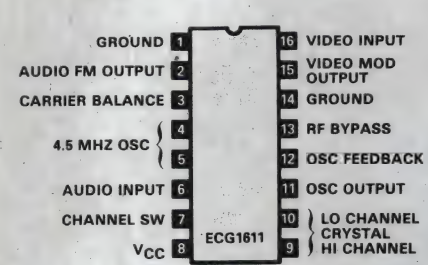
ECG1609 7-Pin SIP See Fig. L31A
VCR Instrumentation Timer, V_{CC} = 12 V Typ



ECG1610 9-Pin SIP See Fig. L41
VIF Amp/Det/Video Amp/AGC, V_{CC} = 11 V Typ



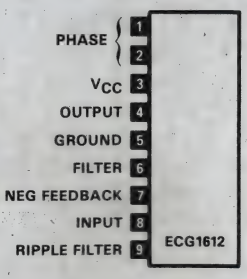
ECG1611 16-Pin DIP See Fig. L111
VCR Video and FM Sound Mod/Carrier Osc, V_{CC} = 6.2 V Typ



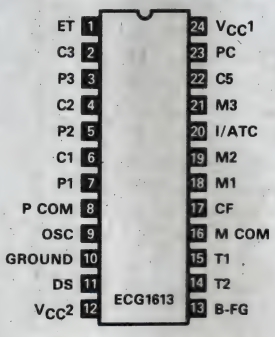
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

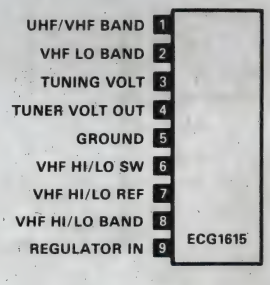
ECG1612 9-Pin SIP See Fig. L40
700 mW AF PO For Battery Use, V_{CC} = 6 V Typ, R_L = 8 Ω



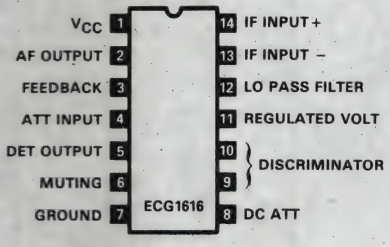
ECG1613 24-Pin DIP See Fig. L122A
VCR Cylinder Motor Drive/Control, $V_{CC}1\&2$ = 12 V Typ



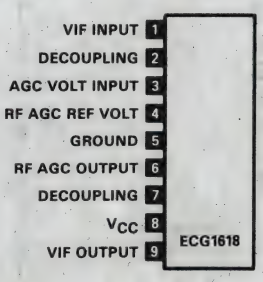
ECG1615 9-Pin SIP See Fig. L41
B/W TV Tuner Band Switch



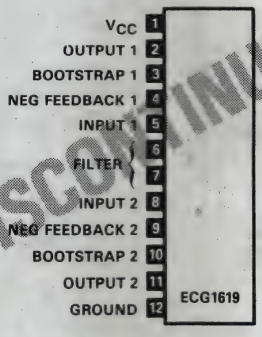
ECG1616 14-Pin DIP See Fig L104
TV Sound IF Amp/Det/Driver, V_{CC} = 12 V Typ



ECG1618 9-Pin SIP See Fig. L41
TV Video IF Amp and AGC, V_{CC} = 11 V Typ

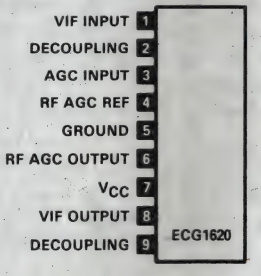


ECG1619 12-Pin SIP See Fig. L55
Dual 4.5 W/Ch AF PO, V_{CC} = 12 V Typ, R_L = 4 Ω

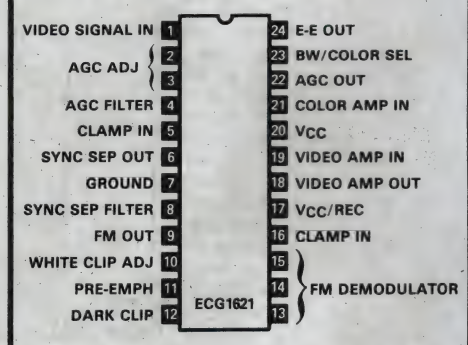


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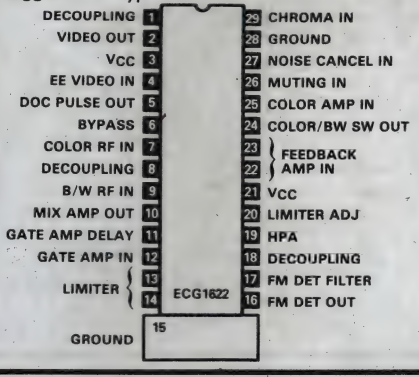
ECG1620 9-Pin SIP See Fig. L41
IC-TV Video IF/AGC, B & W, V_{CC} = 5.5 V Typ



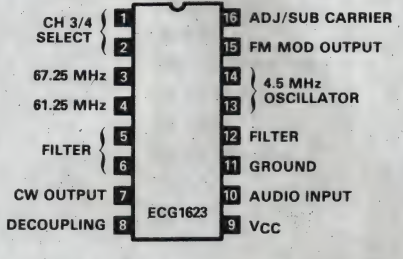
ECG1621 24-Pin DIP See Fig. L122
VCR Recording Video Proc/FM Mod/AGC/Sync/Clamp, V_{CC} = 12 V DC Typ



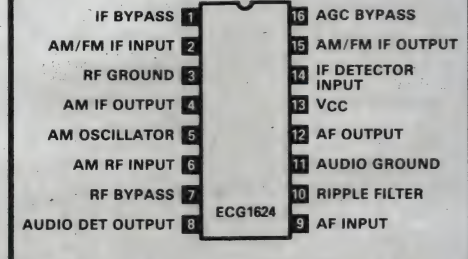
ECG1622 28-Pin DIP-HS See Fig. L154
VCR Video/Color Amp/FM Demod, V_{CC} = 12 V Typ



ECG1623 16-Pin DIP See Fig. L111
VCR Carrier Osc/FM Demod, V_{CC} = 9 V Typ



ECG1624 16-Pin DIP See Fig. L111
AM/FM IF/Det/AM Osc/Mix/AGC/AF Out, V_{CC} = 9 V Typ



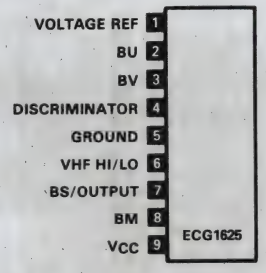
N

Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

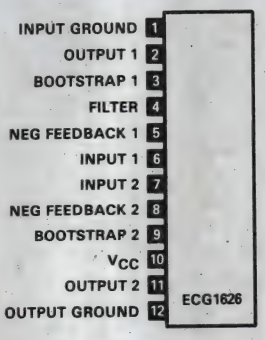
ECG1625 9-Pin SIP See Fig. L41

Tuner Band Switch/Tuning, V_{CC} = 24 V Typ, V_{ref} = 33 V Typ



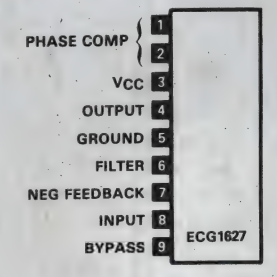
ECG1626 12-Pin SIP See Fig. L57

Dual 4.2 W/Ch AF PO, V_{CC} = 12 V Typ, R_L = 4 Ω



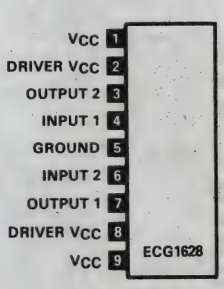
ECG1627 9-Pin SIP See Fig. L40

0.55 W (Typ) AF PO, V_{CC} = 6 V Typ R_L = 8 Ω



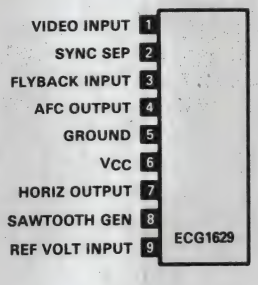
ECG1628 9-Pin SIP-HS See Fig. L80

VCR Loading/Bi-directional Motor Drive, V_{CC} = 15 V Typ



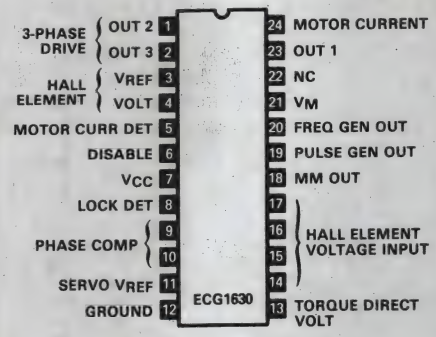
ECG1629 9-Pin SIP See Fig. L41

IC-TV Sync Sep/Phase Det/Horiz Osc, Driver, X-Ray Protect, V_{CC} = 11 V Typ



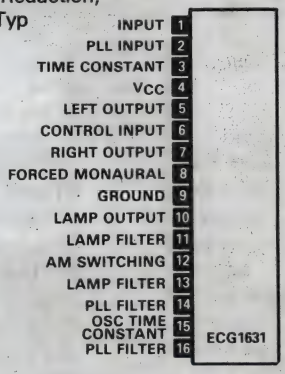
ECG1630 24-Pin DIP See Fig. L122A

IC-VCR 3 Phase Capstan Motor Driver, PG, FG, Motor Lock Det, V_{CC} = 13 V Max



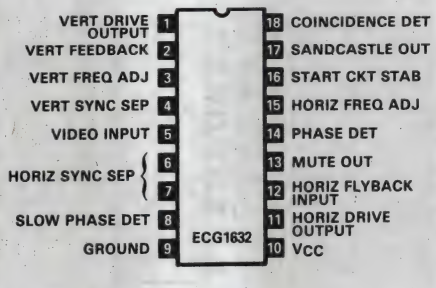
ECG1631 16-Pin ZIL See Fig. L47A

IC-FM Stereo Demod, Soft Muting, Pop Noise Reduction, V_{CC} = 9 V Typ



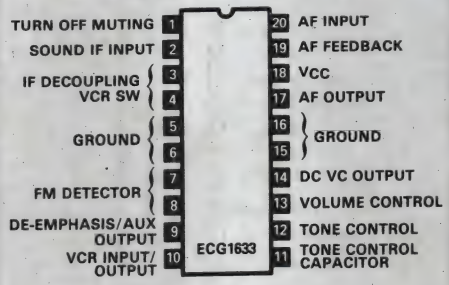
ECG1632 18-Pin DIP See Fig. L115

IC-Horiz, Vert, Osc, Sync, Driver, V_{CC1} = 12 V Typ



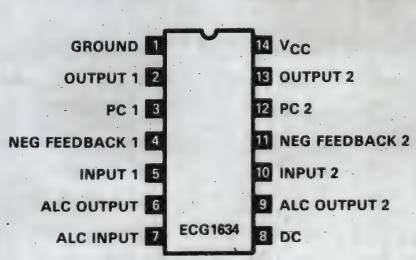
ECG1633 20-Pin DIP See Fig. L118A

IC-TV Sound IF, Tone, Vol, FM Det, Limiter, Preamp, P_O = 4 W, R_L = 16 Ω, V_S = 24 V Typ



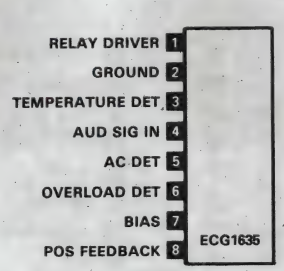
ECG1634 14-Pin DIP See Fig. L104

Dual Channel AF Preamp, V_{CC} = 5 V Typ



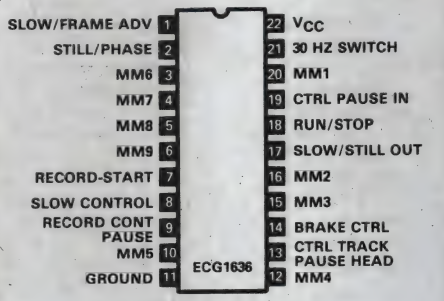
ECG1635 8-Pin SIP See Fig. L35A

Spkr Protector/Voltage/Temp/Overload, V_{CC} = 45 V



ECG1636 22-Pin DIP See Fig. L121

VCR Phase/Still Control

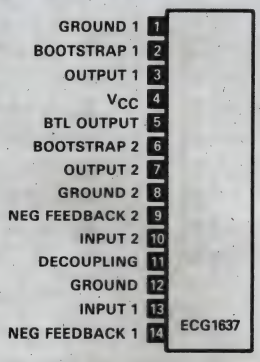


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

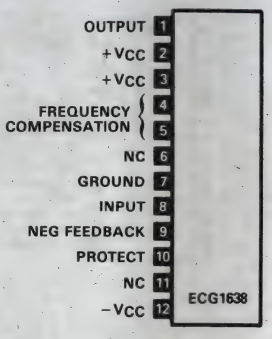
ECG1637 14-Pin SIP See Fig. L58

Dual 4.2 W (Typ)/Ch AF PO, V_{CC} = 12 V Typ, R_L = 4 Ω



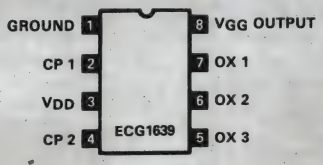
ECG1638 12-Pin SIP See Fig. L57

6.5 W (Typ) AF PO, V_{CC} = ±12 V Typ, R_L = 8 Ω



ECG1639 8-Pin DIP See Fig. L97

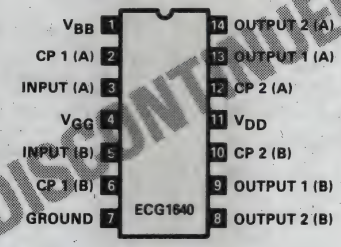
Clock Generator/Driver for BBD's, V_{DD} = 15 V Typ



ECG1640 14-Pin DIP See Fig. L104

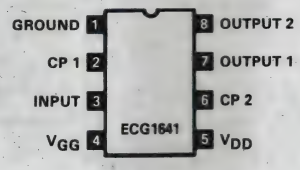
Audio Signal Delay, Dual 512 Stage BBD, .32 to 25.6 msec/Stage, V_{DD} = −15 V Typ, V_{GG} = −14 V, V_{BB} = +5 V

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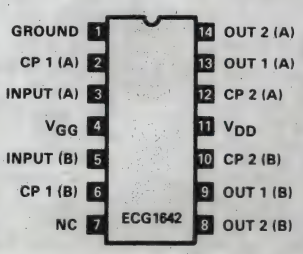
ECG1641 8-Pin DIP See Fig. L97

Audio Signal Delay, 1024 Stage Low Noise BBD, 5.12 to 51.2 msec Delay, V_{DD} = −15 V Typ, V_{GG} = −14 V Typ



ECG1642 14-Pin DIP See Fig. L104

Audio Signal Delay, Dual 512 Stage BBD (PMOS) Delay to 25.6 msec/Stage, V_{DD} = −5 V Typ, V_{GG} = −14 V Typ

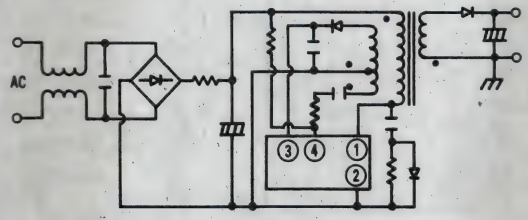


ECG1644 TO-3, 3-Pin See Fig. L11A

Hybrid Self Exciting Converter, V_{IN} = 120 VAC

ECG1645

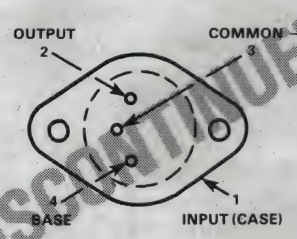
Hybrid Self Exciting Converter, V_{IN} = 240 VAC



ECG1646 TO-3, 3-Pin See Fig. L11A

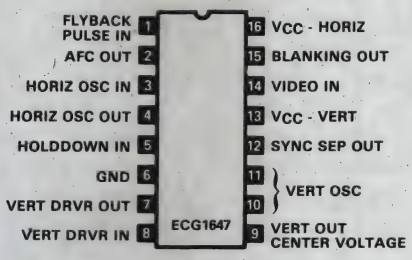
TV Voltage Regulator, Output = +129 V DC, 1 A

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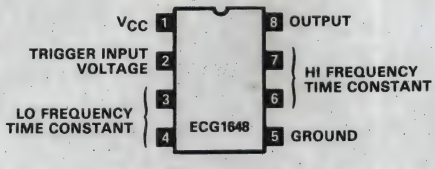
ECG1647 16-Pin DIP See Fig. L111

TV Horiz/Vert Osc/Driver/Sync Sep, AFC, V_{CC} = 12 V Typ



ECG1648 8-Pin DIP See Fig. L97

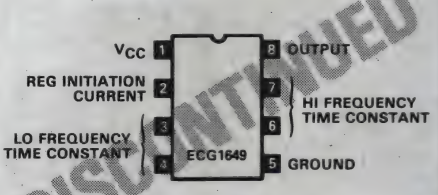
Telephone Tone Ringer, Programmable Threshold, with Logic Inhibit, V_{CC} = 15 V Typ



ECG1649 8-Pin DIP See Fig. L97

Telephone Tone Ringer - Current Initiated, V_{CC} = 19 V Typ

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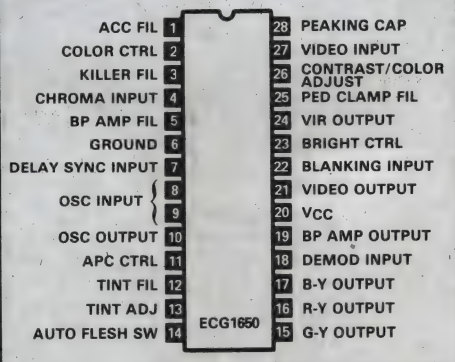


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

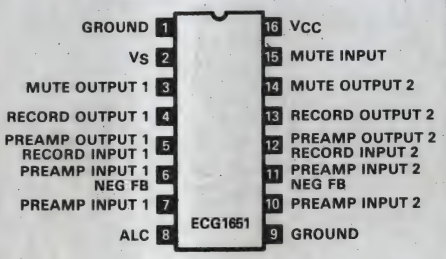
ECG1650 28-Pin DIP See Fig. L124

TV Video, Chroma, Amp, Demod, Color Osc, Auto Tint, V_{CC} = 12 V Typ



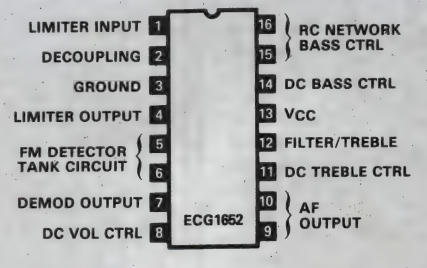
ECG1651 16-Pin DIP See Fig. L111

Recorder Dual Preamp w/ALC Det, Muting, V_{CC} = 9 V Typ



ECG1652 16-Pin DIP See Fig. L111

TV Audio Limiter/Amp, Demod and Bass/ Treble Control

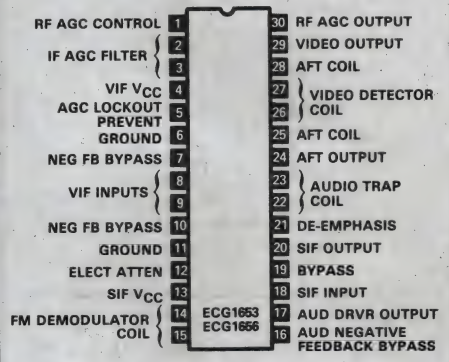


ECG1653 30-Pin DIP See Fig. L124B

TV VIF/SIF Amp Det, Fwd AGC, AFT, Elect Att, and Audio Driver, V_{CC} = 12 V Typ

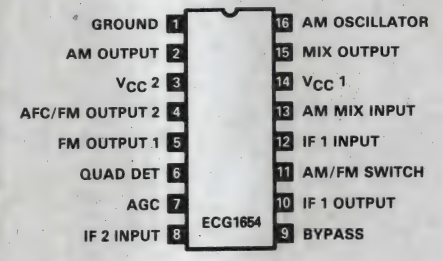
ECG1656

TV VIF/SIF Amp Det, Rev AGC, AFT, Elect Att, and Audio Driver, V_{CC} = 12 V Typ



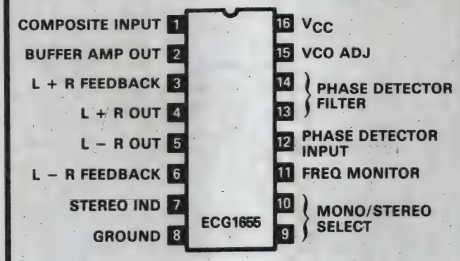
ECG1654 16-Pin DIP See Fig. L111

AM/FM IF Amp, AM-Mixer, Osc, Det and FM-Quad Det, V_{CC} = 5 V Typ



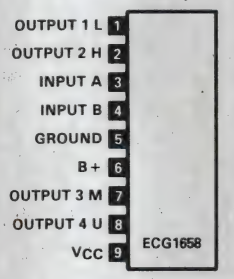
ECG1655 16-Pin DIP See Fig. L111

TV Stereo Decoder, V_{CC} = 12 V Typ



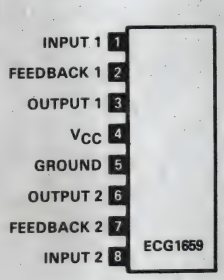
ECG1658 9-Pin SIP See Fig. L36

TV Tuner Band Selector, V_{CC} = 12 V Typ



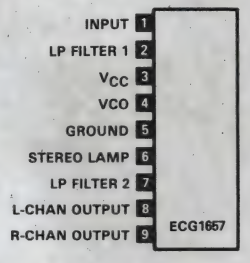
ECG1659 8-Pin SIP See Fig. L35

Dual AF Preamp, V_{CC} = 7 V Typ



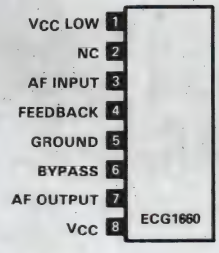
ECG1657 9-Pin SIP See Fig. L39

FM Stereo PLL Multiplex, V_{CC} = 8 V Typ



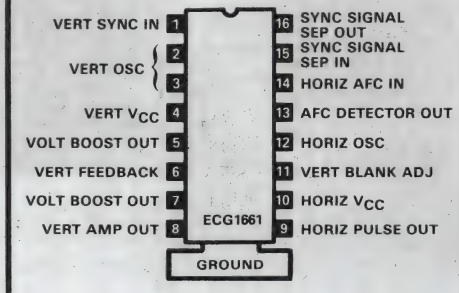
ECG1660 8-Pin SIP See Fig. L34

IC-Audio Preamp, V_{CC} = 9 V Typ, V_G = 53 dB Typ



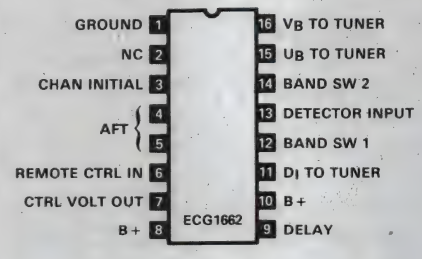
ECG1661 16-Pin DIP-ET See Fig. L150A

IC-TV Horiz, Vert Processor, Vert Out, V_{CC} = 12 V Typ



ECG1662 16-Pin DIP See Fig. L111

IC-TV/FM Channel Selector Controller, B+ = 18 V Typ



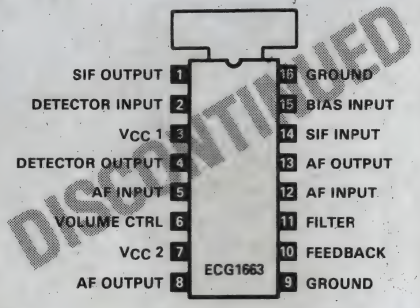
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1663 16-Pin DIP-ET See Fig. L151

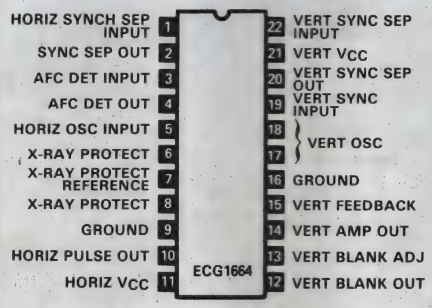
IC-TV SIF Amp, Det, Vol Control, AF PO, $V_{CC}1 = 12$ V Typ, $V_{CC}2 = 17$ V Typ

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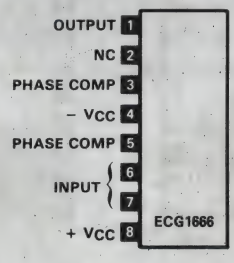
ECG1664 22-Pin DIP See Fig. L121

IC-TV Sync Horiz, Vert Osc, Driver, AFC, X-Ray Protect, $V_{CC} = 12$ V Typ



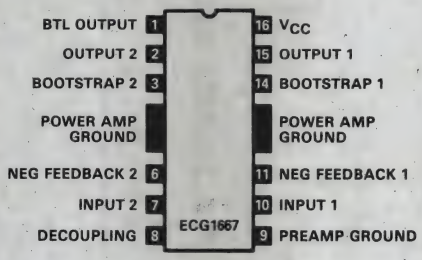
ECG1666 8-Pin SIP See Fig. L34

IC-Hi Voltage Lo Noise Preamp, $V_{CC} = \pm 22.5$ V Typ, $V_G = 82$ dB Typ



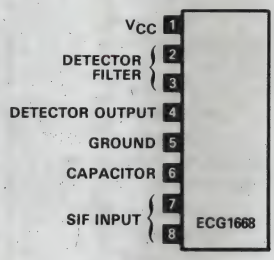
ECG1667 16-Pin DIP-W See Fig. L136

IC-Dual AF PO, 2.3 W, Bridge (BTL), 4.7 W, $V_{CC} = 9$ V, $R_L = 8\ \Omega$



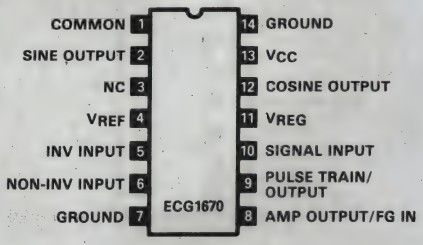
ECG1668 8-Pin SIP See Fig. L35

IC-TV Sound IF, Detector, $V_{CC} = 12$ V Typ



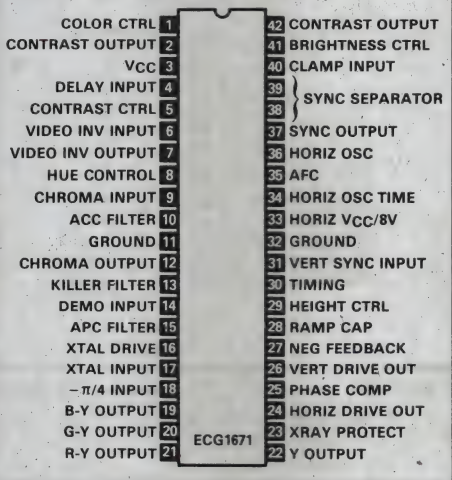
ECG1670 14-Pin DIP See Fig. L104

IC-Tachometer and Air Core Meter Driver, $V_{CC} = 20$ V Max



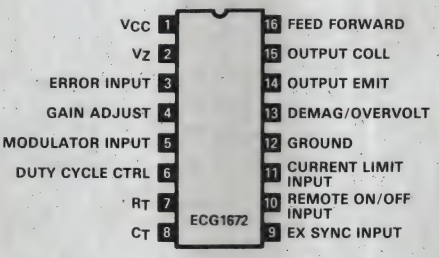
ECG1671 42-Pin DIP See Fig. L126

IC-Video-Chroma Demod, Horiz, Vert, Osc, Dr, HV Protect, $V_{CC} = 12$ V Typ



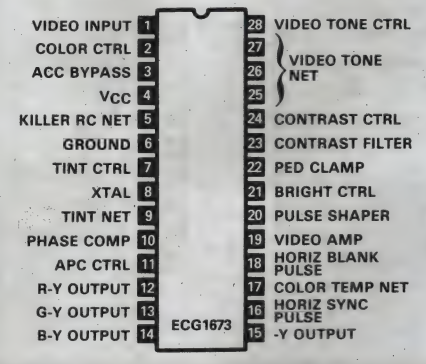
ECG1672 16-Pin DIP See Fig. L111

IC-Pulse Width Modulator Control Ckt, $V_{CC} = 12$ V Typ



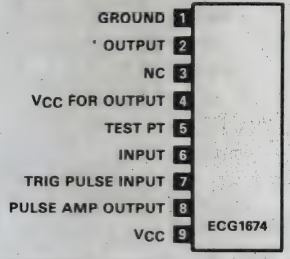
ECG1673 28-Pin DIP See Fig. L124

IC-TV Chroma, Vid Amp, Demod, $V_{CC} = 12$ V Typ



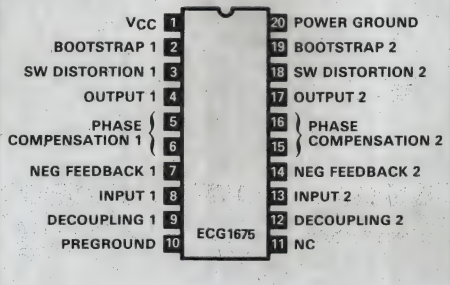
ECG1674 9-Pin SIP-HS See Fig. L79

IC-TV Vertical Deflection, $V_{CC} = 24$ V Typ



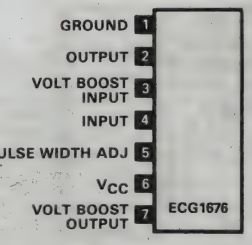
ECG1675 20-Pin DIP See Fig. L119A

IC-Dual AF PO, 8.5 W, $V_{CC} = 15$ V Typ, $R_L = 3\ \Omega$



ECG1676 7-Pin SIP See Fig. L49

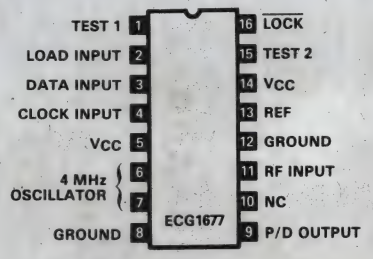
IC-TV Vertical Deflection, $V_{CC} = 24$ V Typ



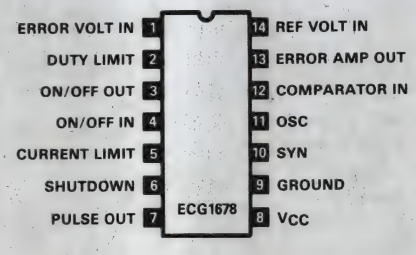
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

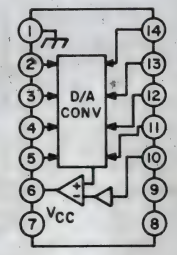
ECG1677 16-Pin DIP See Fig. L111
Frequency Synthesizer for TV/CATV Tuner, V_{CC} = 5 V Typ



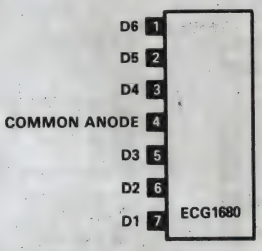
ECG1678 14-Pin DIP See Fig. L105
Switching Regulator for TV with Shutdown, V_{CC} = 6.6 V Typ



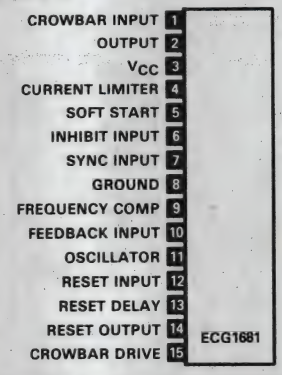
ECG1679 14-Pin DIP See Fig. L104
VCR D/A Converter and Comparator, V_{CC} = 9 V Typ



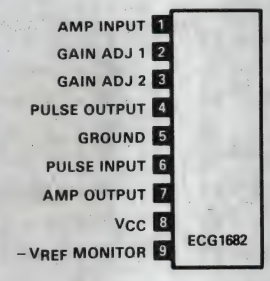
ECG1680 7-Pin SIP See Fig. L25
Diode Array, Common Anode



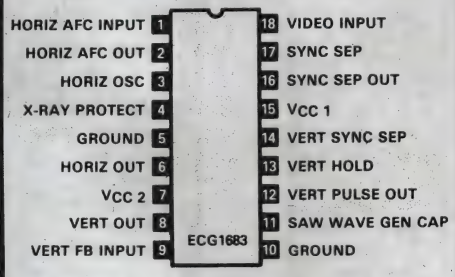
ECG1681 15-Pin SIP See Fig. L93A
High Current Switching Regulator, 5.1-40 V at 4 A



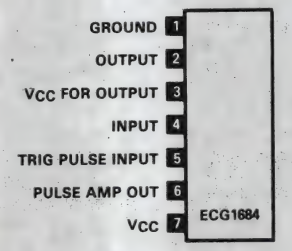
ECG1682 9-Pin SIP See Fig. L41
Preamp for IR Remote Control, V_{CC} = 12 V Typ



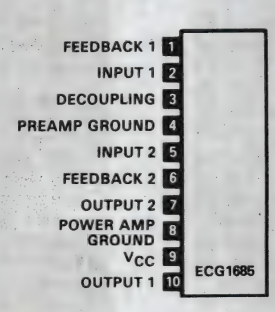
ECG1683 18-Pin DIP See Fig. L115
TV Horizontal/Vertical Processor, V_{CC} = 12 V Typ



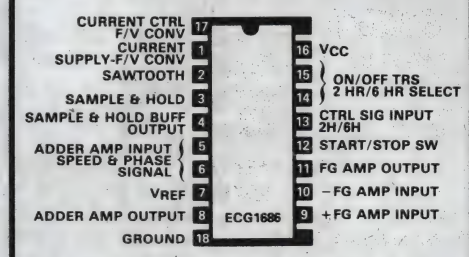
ECG1684 7-Pin SIP-HS See Fig. L76A
TV Vertical Deflection, V_{CC} = 24 V Typ



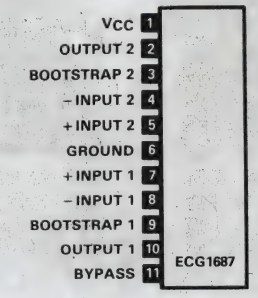
ECG1685 10-Pin SIP-HS See Fig. L88
Dual AF PO, 3.5 W, V_{CC} = 16 V Typ, R_L = 8 Ω



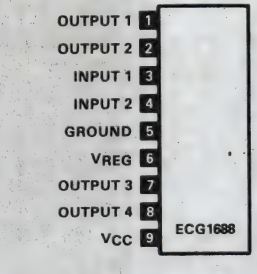
ECG1686 16+2-Pin DIP-ET See Fig. L114
VCR Capstan Speed Controller, V_{CC} = 9 V Typ



ECG1687 11-Pin SIP-HS See Fig. L93B
Dual AF PO, 2.5 W, Bridge (BTL), 7.8 W, V_{CC} = 9 V Typ, R_L = 4 Ω



ECG1688 9-Pin SIP See Fig. L41
TV Tuner Band Switch - 4 Circuit, V_{CC} = 12 V Typ

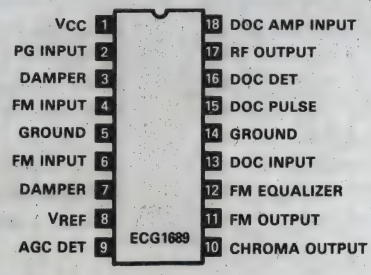


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Linear IC and Module Circuits (cont'd)

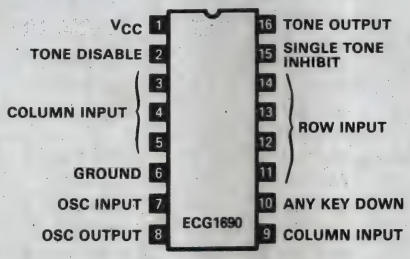
ECG1689 18-Pin DIP See Fig. L115

VCR Head Amp/Limiter/D.O.C./Switching, V_{CC} = 5 V Typ



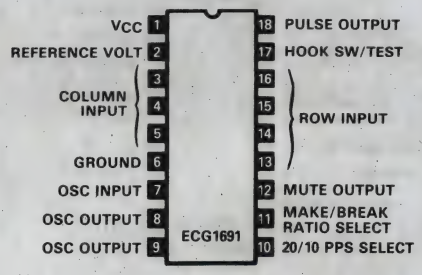
ECG1690 16-Pin DIP See Fig. L111

Dual Tone Multifrequency (DTMF) Dialer (CMOS), V_{CC} = 6 V Typ



ECG1691 18-Pin DIP See Fig. L115

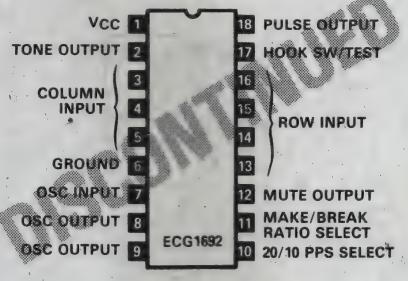
Pulse Dialer with Redial (CMOS), V_{CC} = 4 V Typ



ECG1692 18-Pin DIP See Fig. L115

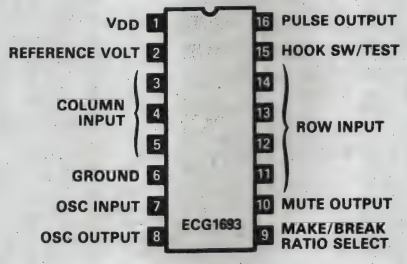
Pulse Dialer with Redial/Tone Signal Out (CMOS), V_{CC} = 4 V Typ

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ECG1693 16-Pin DIP See Fig. L111

Push Button Pulse Dialer with Redial (CMOS), V_{DD} = 6 V Max

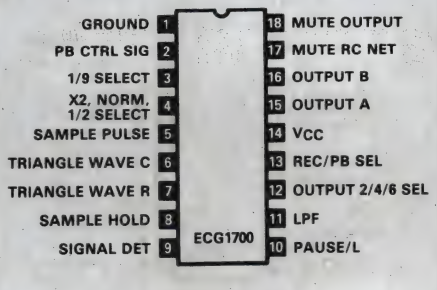


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

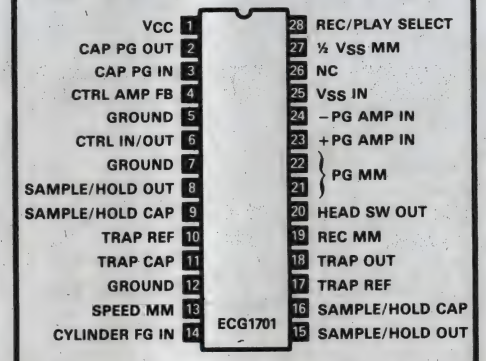
ECG1700 18-Pin DIP See Fig. L115

VCR Frequency Divider and Speed Select, 2/4/6 Hr., V_{CC} = 12 V Typ



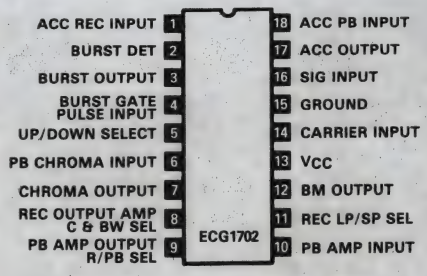
ECG1701 28-Pin DIP See Fig. L124

VCR Drum Servo Control for Speed/Phase V_{CC} = 12 V Typ



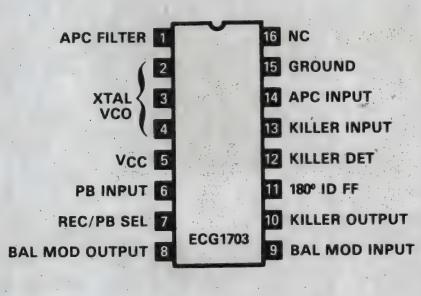
ECG1702 18-Pin DIP See Fig. L115

VCR Color Signal Processor, V_{CC} = 12 V Typ



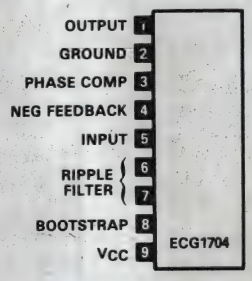
ECG1703 16-Pin DIP See Fig. L112

VCR Color Signal Processor, V_{CC} = 12 V Typ



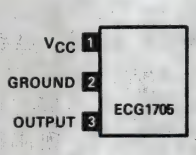
ECG1704 9-Pin SIP See Fig. L41

AF Power Amp, 1.2 W, V_{CC} = 9 V Typ, R_L = 8 Ω



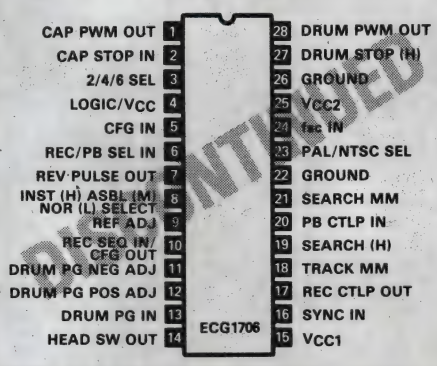
ECG1705 3-Pin SIP See Fig. L17B

Hall Switch - VCR End of Tape Sensor, V_{CC} = 18 V Max



ECG1706 28-Pin DIP See Fig. L124

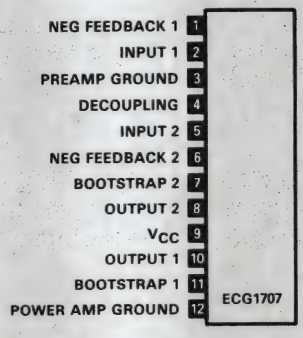
VCR Servo Control for Drum/Capstan, V_{CC1} = 12 V Typ, V_{CC2} = 5 V Typ



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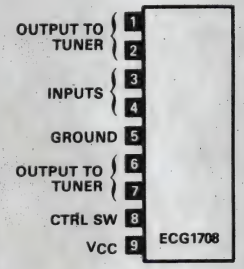
ECG1707 12-Pin SIP See Fig. L57A

Dual AF PO, 5.5 W, V_{CC} = 13.2 V Typ, R_L = 4 Ω



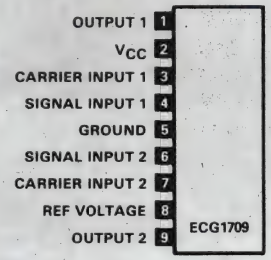
ECG1708 9-Pin SIP See Fig. L36

TV Tuner Band Selector, V_{CC} = 12 V Typ



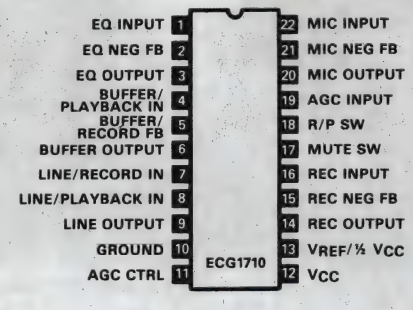
ECG1709 9-Pin SIP See Fig. L41

VCR Dual Balanced Modulator, V_{CC} = 9 V Typ



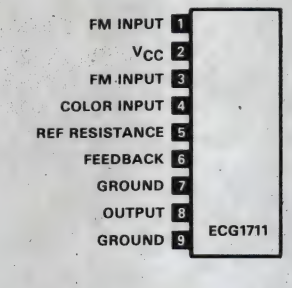
ECG1710 22-Pin DIP See Fig. L121

VCR Record/Playback Circuit, V_{CC} = 9 V Typ



ECG1711 9-Pin SIP See Fig. L41

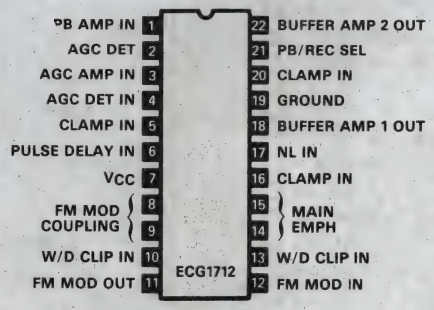
VCR Recording Amp Circuit, V_{CC} = 9 V Typ



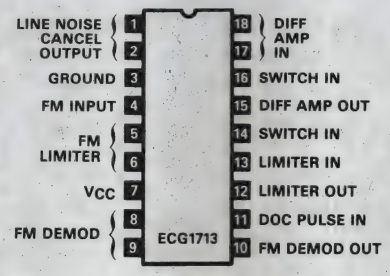
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

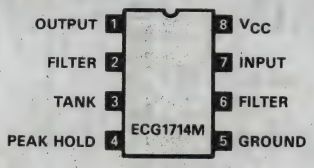
ECG1712 22-Pin DIP See Fig. L121
VCR Video Processor for Recording, V_{CC} = 5 V



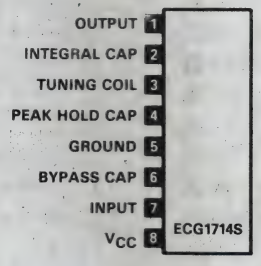
ECG1713 18-Pin DIP See Fig. L115
VCR Line Noise Cancelling Circuit, V_{CC} = 5 V Typ



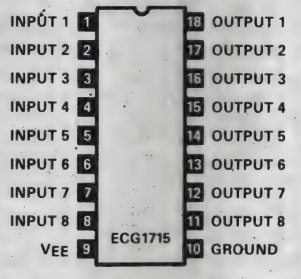
ECG1714M 8-Pin DIP See Fig. L98
TV Remote Control Signal Amp, V_{CC} = 5 V Typ



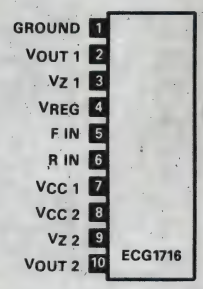
ECG1714S 8-Pin SIP See Fig. L35B
TV Remote Control Signal Amp, V_{CC} = 8.5 V Typ



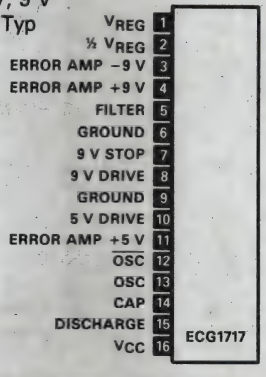
ECG1715 18-Pin DIP See Fig. L115
Fluorescent Display Driver - 8 Circuits, V_{EE} = −50 V Typ



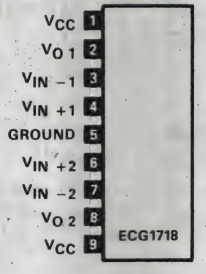
ECG1716 10-Pin SIP-HS See Fig. L87
VCR Motor Driver with Braking, V_{CC} = 18 V Max, I_O = 1.6 A Max



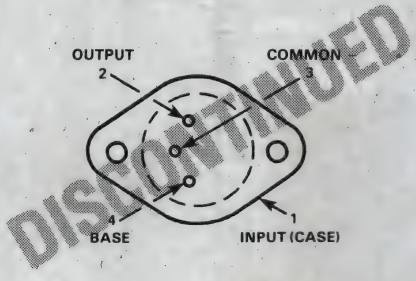
ECG1717 16-Pin ZIL See Fig. L47A
VCR Dual Switching Power Supply, 5 V, 9 V
V_{CC} = 12 V Typ



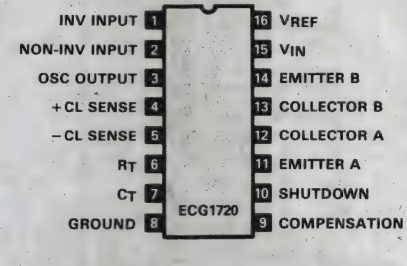
ECG1718 9-Pin SIP See Fig. L39
Dual Comparator/VCR, Single/Dual Supply, V_{CC} = +36 V or ±18 V Max



ECG1719 TO-3, 3-Pin See Fig. L11A
Hybrid TV Voltage Regulator, Output = +120 V DC, 1 A

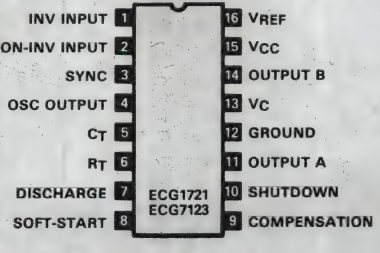


ECG1720 16-Pin DIP See Fig. L112
Pulse Width Modulator/Dual Switching Reg, Outputs

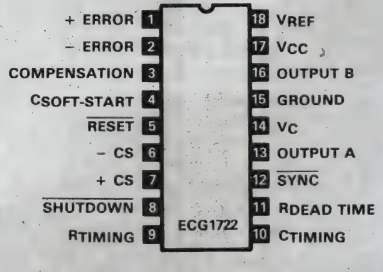


ECG1721 16-Pin DIP See Fig. L112
Pulse Width Modulator/Dual NOR Sw. Reg. Outputs/ + Output Pulse

ECG1723
Pulse Width Modulator/Dual OR Sw. Reg. Outputs/ − Output Pulse



ECG1722 18-Pin DIP See Fig. L115
Pulse Width Modulator/Dual Totem Pole Outputs, V_{CC} = 15 V Typ, V_C = 4.5 V to 35 V



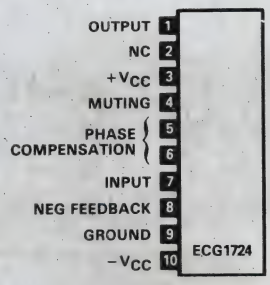
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

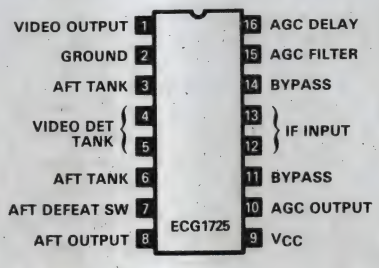
ECG1724 10-Pin SIP See Fig. L52A

AF PO, 20 W, $V_{CC} = \pm 22$ V, $R_L = 8\ \Omega$



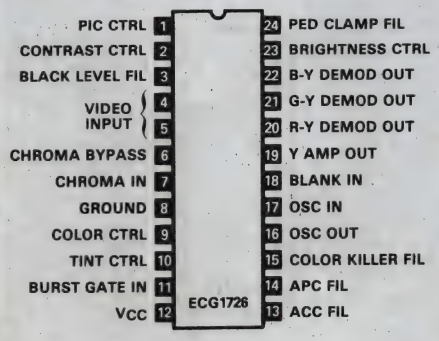
ECG1725 16-Pin DIP See Fig. L111

TV Video/IF Amp, Det, AFT, AGC, $V_{CC} = 12$ V Typ



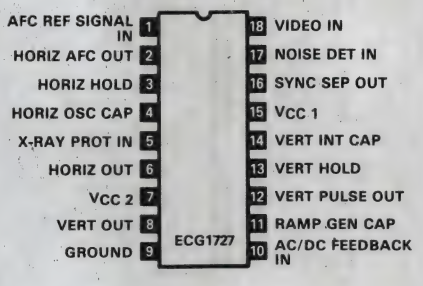
ECG1726 24-Pin DIP See Fig. L122

TV Chroma and Vid Processor/Demod, $V_{CC} = 12$ V Typ



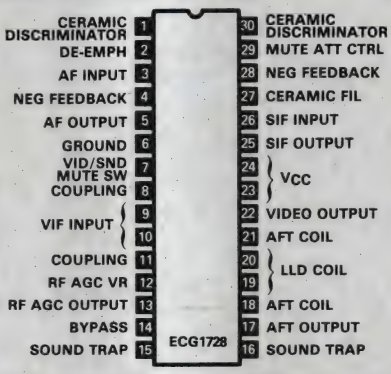
ECG1727 18-Pin DIP See Fig. L115

TV Signal Processor with V/H Osc/AFC Sync Sep/X-Ray Protect, $V_{CC1} = 12$ V Typ, $V_{CC2} = 10.5$ V Max



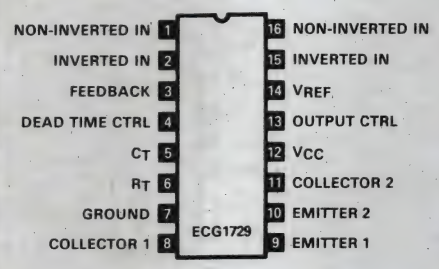
ECG1728 30-Pin DIP See Fig. L124C

TV VIF/SIF Amp/Det/AGC/AFT/Elect Att Audio Driver, $V_{CC} = 12$ V Typ



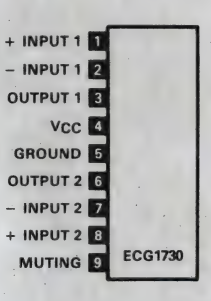
ECG1729 16-Pin DIP See Fig. L111

Pulse Width Modulator Control Ckt, $V_{CC} = 15$ V Typ



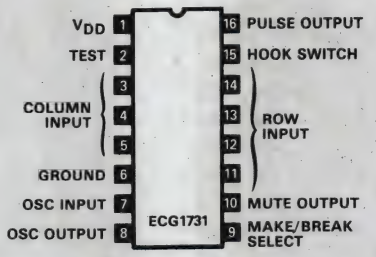
ECG1730 9-Pin SIP See Fig. L39

Dual Hi Gain Preamp, $V_{CC} = 10$ V Typ



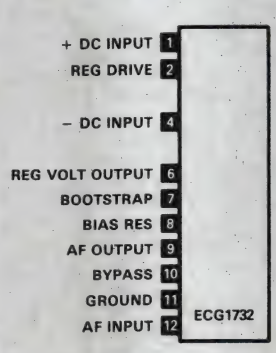
ECG1731 16-Pin DIP See Fig. L111

Ten Number Repertory Dialer (CMOS), $V_{DD} = 5$ V Typ



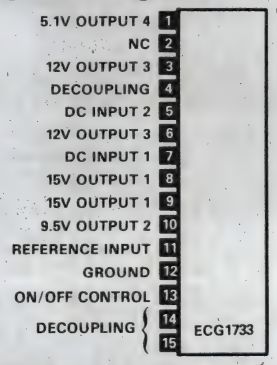
ECG1732 12-Pin SIP See Fig. L67A

135 V Regulator Plus AF PO 4 W for TV



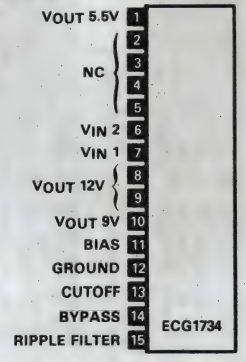
ECG1733 15-Pin SIP See Fig. L69A

VCR Fixed VR, 15 V @ 1 A, 9.5 V @ 1 A, 12 V @ 1 A, 5.1 V @ 0.5 A



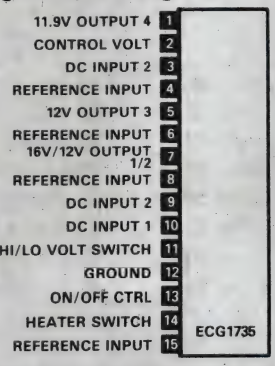
ECG1734 15-Pin SIP See Fig. L69A

VCR Fixed VR, 12 V @ 2 A, 9 V @ 1 A, 5.1 V @ 0.5 A



ECG1735 15-Pin SIP See Fig. L69A

VCR Fixed VR, 16 V @ 1 A, 12 V @ 1 A, 12 V @ 1.5 A, 11.9 V @ 1.5 A

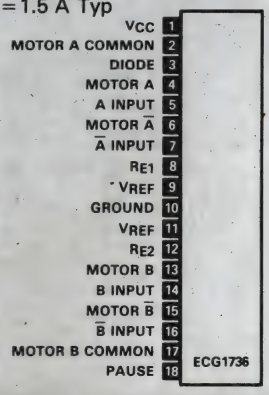


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

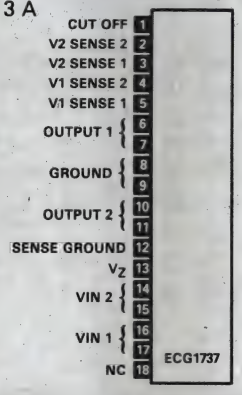
ECG1736 18-Pin SIP See Fig. L75A

4-Phase Constant Current Step Motor Driver, V_{CC} = 24 V, I_L = 1.5 A Typ



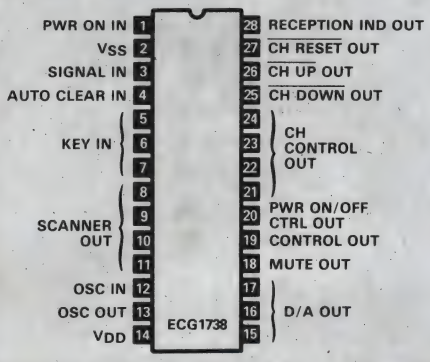
ECG1737 18-Pin SIP-M See Fig. L75B

Chopper Dual Power Supply, 5 V @ 3 A, 24 V @ 3 A



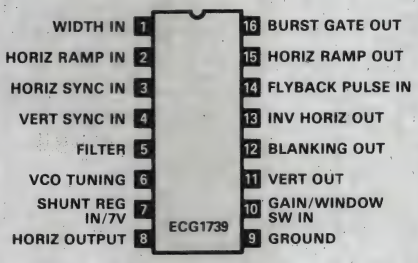
ECG1738 28-Pin DIP See Fig. L124

TV/Stereo Remote Control Receiver, V_{DD} = 12 V Typ



ECG1739 16-Pin DIP See Fig. L111

TV Horiz/Vert Deflection Oscillator Countdown, V_{CC} = 12 V Typ



ECG1740 4-Pin SIP See Fig. L18B

TV Voltage Regulator, Output = 115 V, 1 A

ECG1741

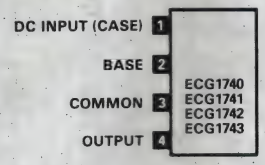
Output = 125 V @ 1 A

ECG1742

Output = 130 V @ 1 A

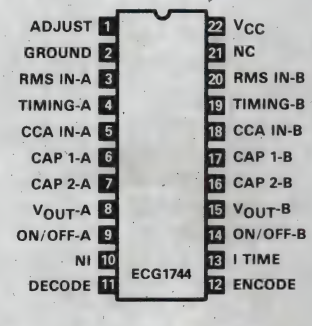
ECG1743

Output = 135 V @ 1 A



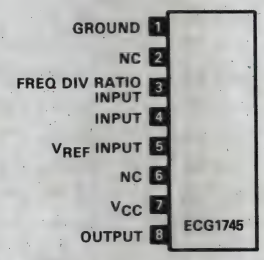
ECG1744 22-Pin DIP See Fig. L121

Dual dbx Noise Reduction, V_{CC} = 3 V Typ



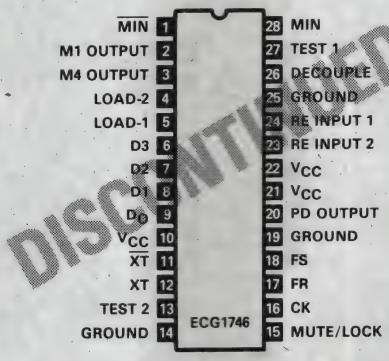
ECG1745 8-Pin SIP See Fig. L35

VCR Hi Speed Frequency Divider, (1/20 to 1/100), V_{CC} = 5 V Typ



ECG1746 28-Pin DIP See Fig. L124

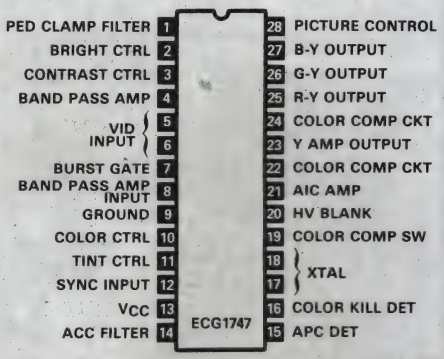
TV Tuner Frequency Synthesizer, V_{CC} = 5 V Typ



DISCONTINUED

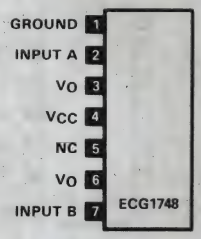
ECG1747 28-Pin DIP See Fig. L124

TV Chroma/Vid Processor/Demodulator, V_{CC} = 12 V Typ



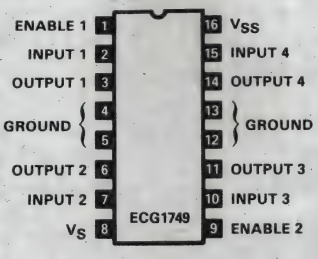
ECG1748 7-Pin SIP See Fig. L30A

DC Motor Driver, V_{CC} = 12 V Typ



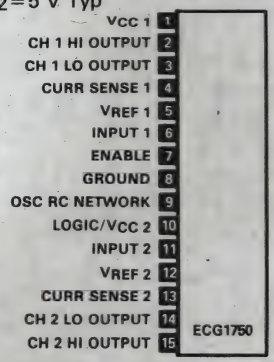
ECG1749 16-Pin DIP See Fig. L111

Dual Bidirectional Motor Driver, V_{SS} = 5 V, V_S = 24 V



ECG1750 15-Pin SIP-HS See Fig. L93A

Dual Solenoid/Motor Driver, V_{CC1} = 36 V Typ, V_{CC2} = 5 V Typ

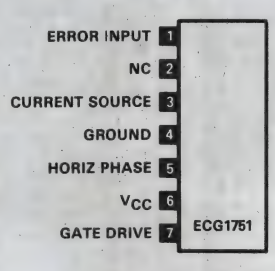


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

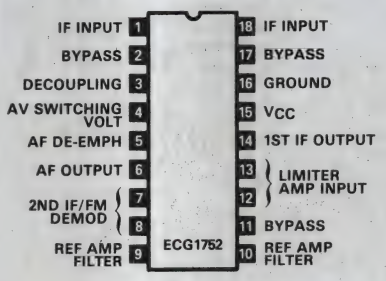
ECG1751 7-Pin SIP See Fig. L29

TV/Switching SCR Driver for Voltage Reg., V_{CC} = 30 V Max



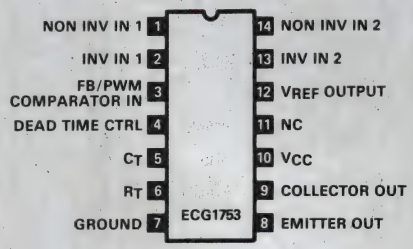
ECG1752 18-Pin DIP See Fig. L115

TV Sound IF/Lim/Det/Demod/AF Out, V_S = 12 V Typ



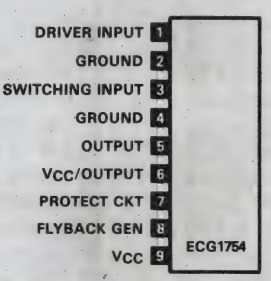
ECG1753 14-Pin DIP See Fig. L104

Pulse Width Modulation Control Ckt, V_{CC} = 15 V Typ



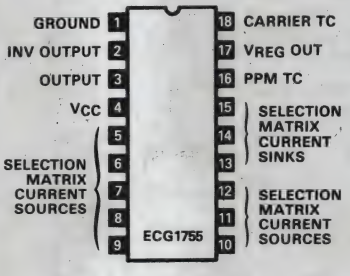
ECG1754 9-Pin SIP See Fig. L51A

TV Vertical Deflection, V_{CC} = 26 V Typ



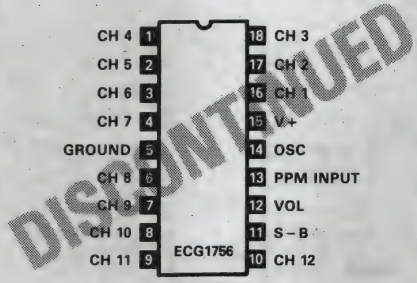
ECG1755 18-Pin DIP See Fig. L115

32-Command Remote Control Transmitter, V_{CC} = 9 V Typ



ECG1756 18-Pin DIP See Fig. L115

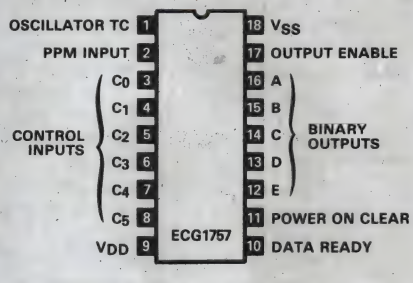
15-Command Remote Control Receiver, V+ = 12 V Typ



DISCONTINUED

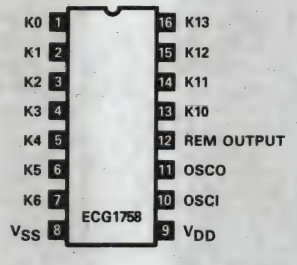
ECG1757 18-Pin DIP See Fig. L115

Programmable Remote Control Receiver, V_{DD} = −16 V Typ (PMOS)



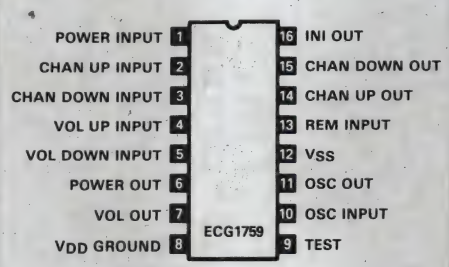
ECG1758 16-Pin DIP See Fig. L111

27-Command Remote Control Transmitter, V_{DD} = 6 V Typ (CMOS)



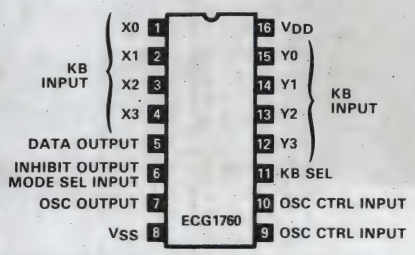
ECG1759 16-Pin DIP See Fig. L111

26-Command Remote Control Receiver, V_{SS} = −12 V Typ (PMOS)



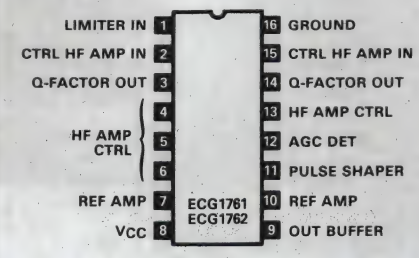
ECG1760 16-Pin DIP See Fig. L111

32-Command Remote Control Transmitter, V_{DD} = −9 V Typ (PMOS)



ECG1761
ECG1762 16-Pin DIP See Fig. L111

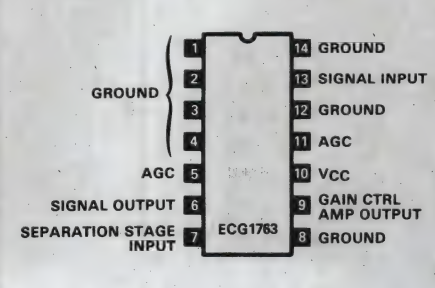
Infrared Remote Control Receiver, V_{CC} = 5 V Typ



ECG1761 - Active Hi Output
ECG1762 - Active Lo Output

ECG1763 14-Pin DIP See Fig. L104

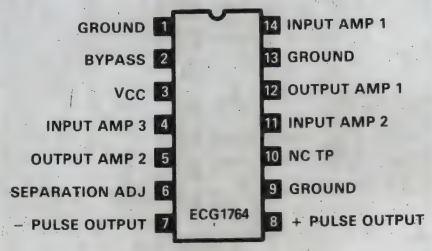
Remote Control Infrared Preamp, V_{CC} = 20 V Max



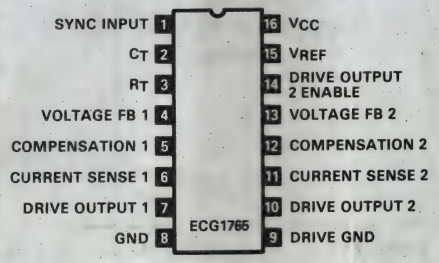
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

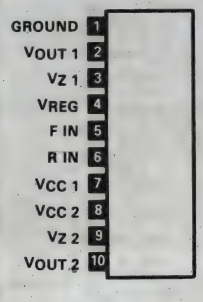
ECG1764 14-Pin DIP See Fig. L104
Remote Control Infrared Preamp, V_{CC} = 6 V Max and 5 V Typ



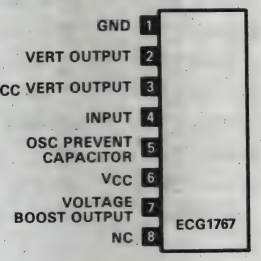
ECG1765 16-Pin DIP See Fig. L111
Dual Channel Current Mode Controller/Totem Pole Outputs, V_{CC} = 15 V Typ



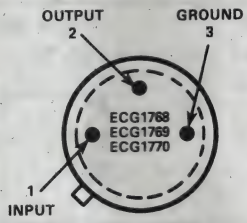
ECG1766 10-Pin SIP-HS See Fig. L87
Motor Driver with Braking, V_{CC} = 12 V, I_O = 2.2 A Max



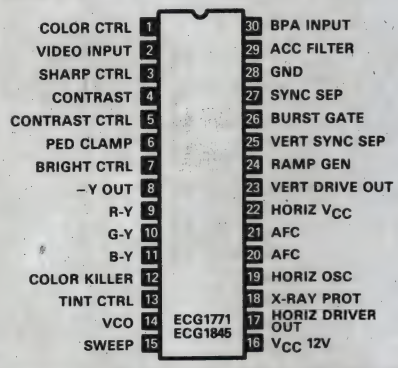
ECG1767 8-Pin SIP See Fig. L78A
Vertical Deflection Output, V_{CC} = 24 V Typ



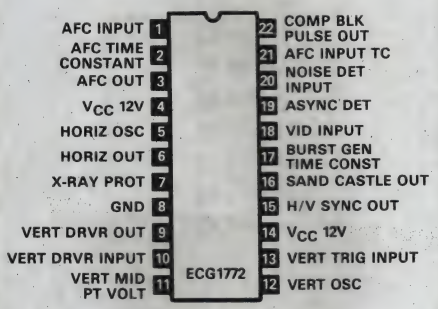
ECG1768 3-Pin Can See Fig. L1B
RF/IF/VHF Hybrid Amp, I_D = 10 mA, V_D = 2.9 Vdc, P_G = 14 dB Typ, BW = 400 MHz
ECG1769
RF/IF/VHF Hybrid Amp, I_D = 25 mA, V_D = 5 Vdc, P_G = 14 dB Typ, BW = 400 MHz
ECG1770
RF/IF/VHF Hybrid Amp, I_D = 25 mA, V_D = 3.2 Vdc, P_G = 10 dB Typ, BW = 600 MHz



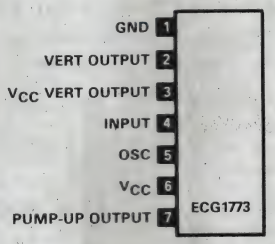
ECG1771 30-Pin DIP See Fig. L124C
Vid/Chroma/Demod/Horiz-Vert Osc/Driver/Sync Sep/HV Protect, V_{CC} = 12 V Typ



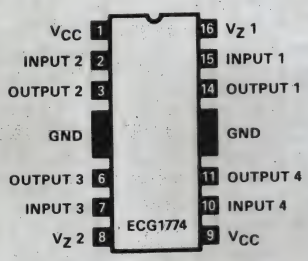
ECG1772 22-Pin DIP See Fig. L121
TV Horiz/Vert Osc/Driver/Sync/AFC/HV Protect, V_{CC} = 12 V Typ



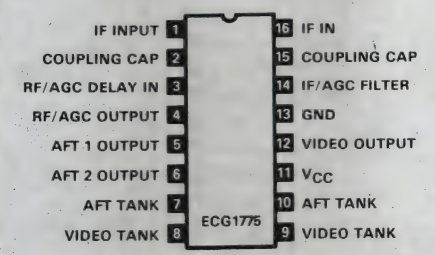
ECG1773 7-Pin SIP-HS See Fig. L76B
TV Vertical Deflection, V_{CC} = 24 V Typ



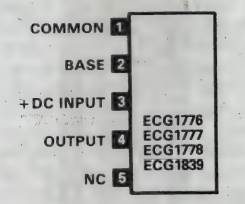
ECG1774 16-Pin DIP-W See Fig. L136
Dual Bidirectional Motor Driver, V_{CC} = 12 V Typ



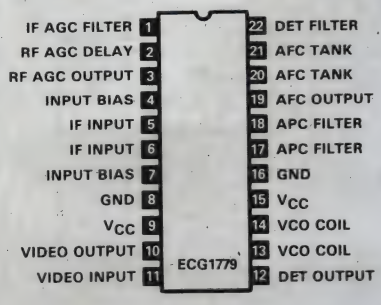
ECG1775 16-Pin DIP See Fig. L111
VIF/AFT/Reverse AGC/Video Amp, V_{CC} = 12 V Typ



ECG1776 5-Lead Formed SIP See Fig. L19B
TV Voltage Regulator, Output = 123 V @ 1 A
ECG1777
Output = 130 V @ 1 A
ECG1778
Output = 135 V @ 1 A



ECG1779 22-Pin DIP See Fig. L121
TV Vid/IF Amp/Det/AGC/AFC, V_{CC} = 12 V Typ



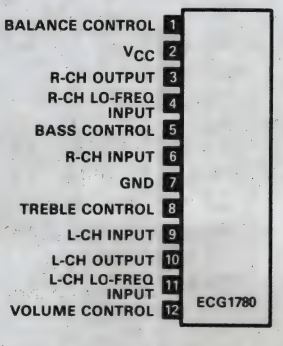
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

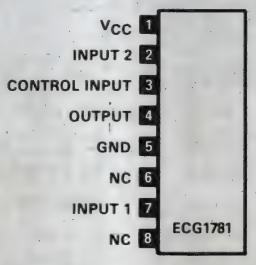
ECG1780 12-Pin SIP See Fig. L43A

Dual Volume/Tone/Balance Control, V_{CC} = 12 V Typ



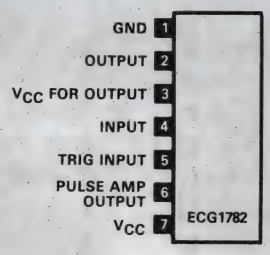
ECG1781 8-Pin SIP See Fig. L32

VCR/TV Electronic Video Sw, V_{CC} = 12 V Typ



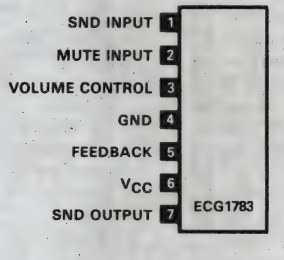
ECG1782 7-Pin SIP-HS See Fig. L76A

TV Vertical Deflection, V_{CC} = 24 V Typ



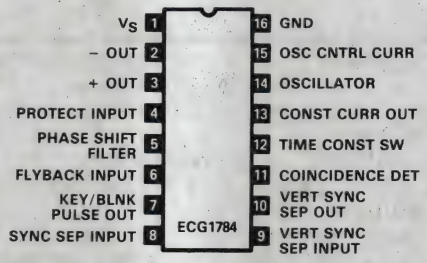
ECG1783 7-Pin SIP See Fig. L27

TV Volume Control and Mute, V_{CC} = 10 V Typ



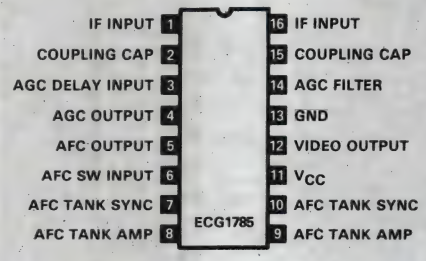
ECG1784 16-Pin DIP See Fig. L111

TV Horizontal Processor, V_S = 12 V Typ



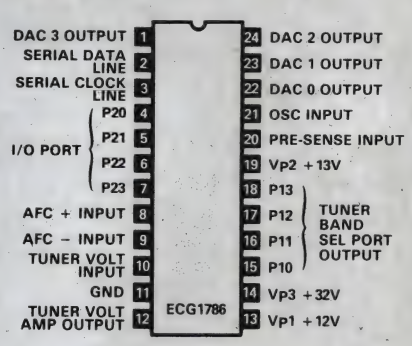
ECG1785 16-Pin DIP See Fig. L112

TV VIF/AGC/AFC Amp, V_{CC} = 12 V Typ



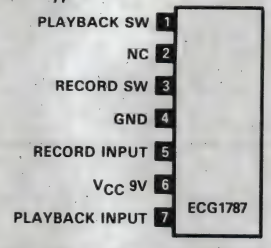
ECG1786 24-Pin DIP See Fig. L122

TV Computer Interface for Digital Tuning/ Control (CMOS)



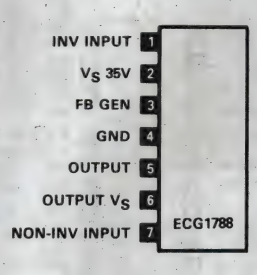
ECG1787 7-Pin SIP See Fig. L31B

VCR Audio Record/Playback Sw, V_{CC} = 9 V Typ



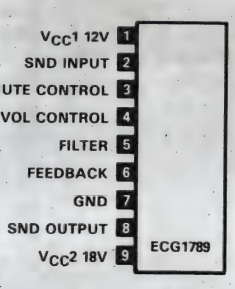
ECG1788 7-Lead Formed SIP See Fig. L19A

TV Vertical Deflection Output, V_S = 35 V



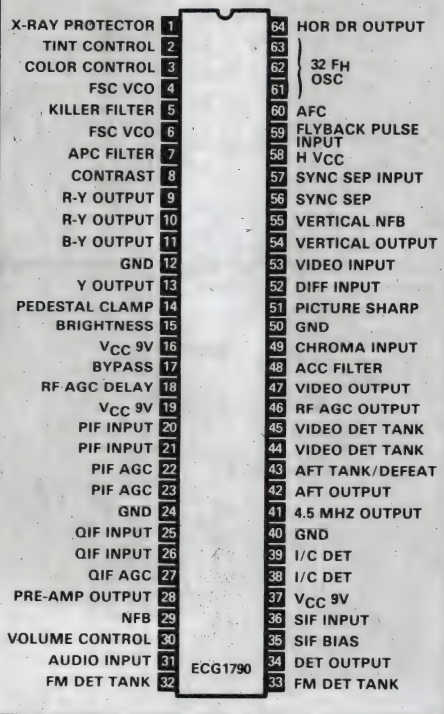
ECG1789 9-Pin SIP-HS See Fig. L79

TV Sound Output/Volume Control/Mute, PO 2.3 W Typ, V_{CC1} = 12 V Typ, V_{CC2} = 18 V Typ



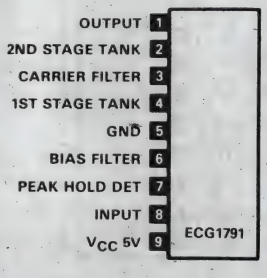
ECG1790 64-Pin DIP See Fig. L126B

TV PIF/SIF/Video/Chroma/Deflection/ Audio/HV Protect, V_{CC} = 9 V Typ



ECG1791 9-Pin SIP See Fig. L41A

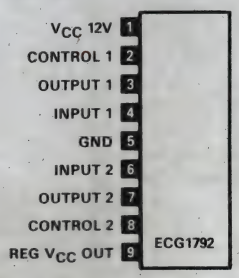
TV Remote Control Signal Amp, V_{CC} = 5 V Typ



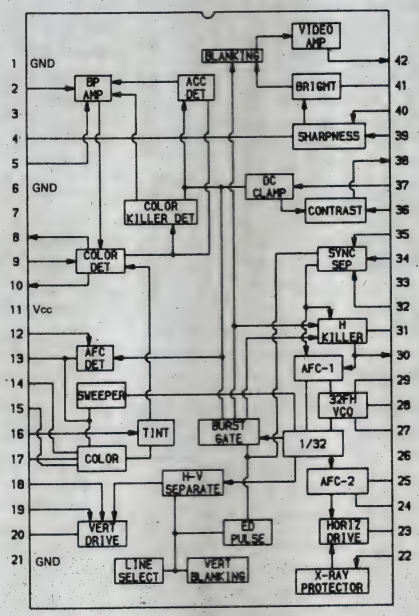
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

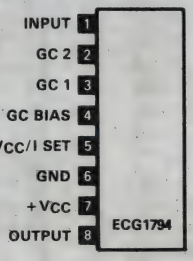
ECG1792 9-Pin SIP See Fig. L39A
Dual Attenuator, V_{CC} = 12 V Typ



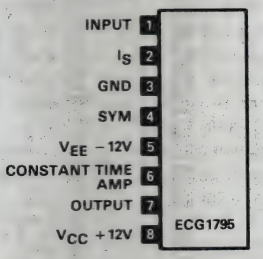
ECG1793 42-Pin DIP See Fig. L126A
TV Video/Chroma/Horiz, Vert Drvr/Sync Sep/HV Protect, V_{CC} = 12 V Typ



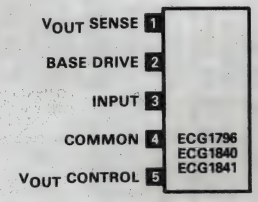
ECG1794 8-Pin SIP See Fig. L35
dbx Noise Reduction Voltage Controlled Amp, V_{CC} = ±12 V Typ



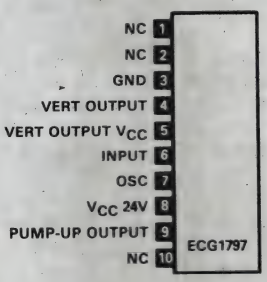
ECG1795 8-Pin SIP See Fig. L35
dbx Noise Reduction RMS Level Sensor, V_{CC} = ±12 V Typ



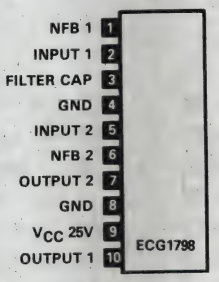
ECG1796 5-Lead Formed SIP See Fig. L19B
Hybrid Voltage Regulator, Output = 114.5 V



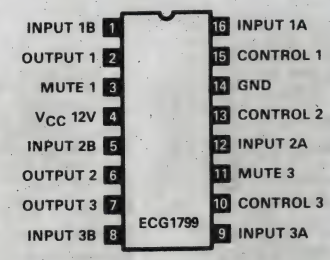
ECG1797 10-Pin SIP See Fig. L52
TV Vertical Deflection, V_{CC} = 24 V Typ



ECG1798 10-Pin SIP See Fig. L52
Dual 6 w/Ch AF PO, V_{CC} = 25 V, R_L = 8 Ω



ECG1799 16-Pin DIP See Fig. L111
Triple 2-Position Analog Switch w/2 Ch Muting Function, V_{CC} = 12 V Typ

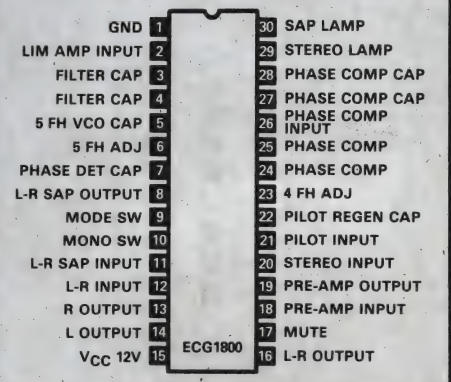


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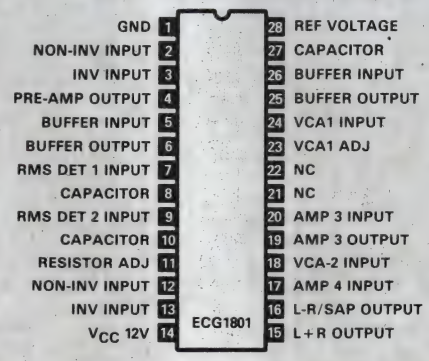
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

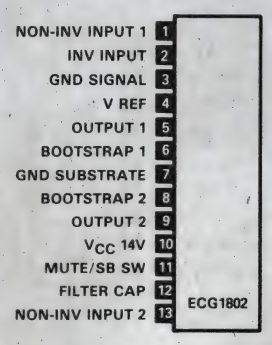
ECG1800 30-Pin DIP See Fig. L124C
TV Sound MPX Decoder, V_{CC} = 12 V Typ



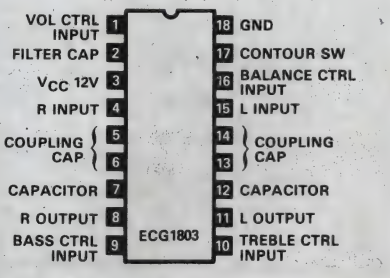
ECG1801 28-Pin DIP See Fig. L123A
TV dbx Decoder/Voltage Controlled Amp/ RMS Level Detector, V_{CC} = 12 V Typ



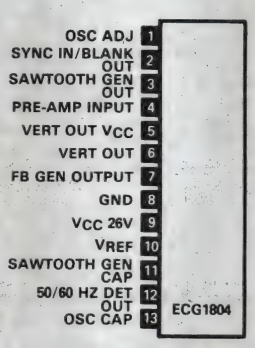
ECG1802 13-Lead Formed SIP See Fig. L57B
Dual 6 W/Ch, 22 W (BTL) AF PO, V_{CC} = 14 V, R_L = 4 Ω



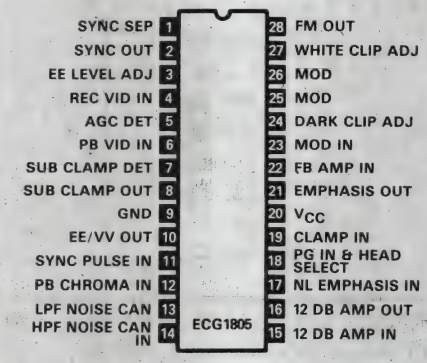
ECG1803 18-Pin DIP See Fig. L115
Dual Tone/Volume Control, V_{CC} = 12 V Typ



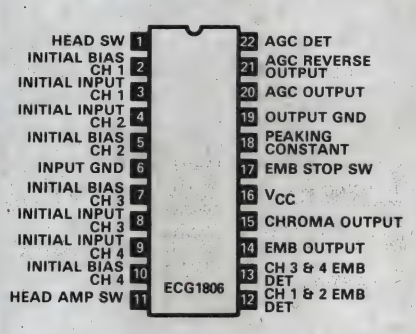
ECG1804 13-Lead Formed SIP See Fig. L57B
Vertical Deflection Output, V_{CC} = 26 V Typ



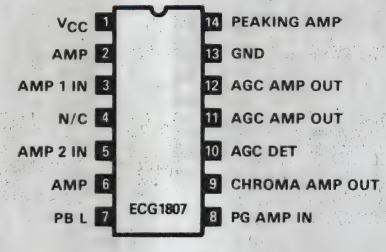
ECG1805 28-Pin DIP See Fig. L123A
VCR Video Processor, V_{CC} = 5 V Typ



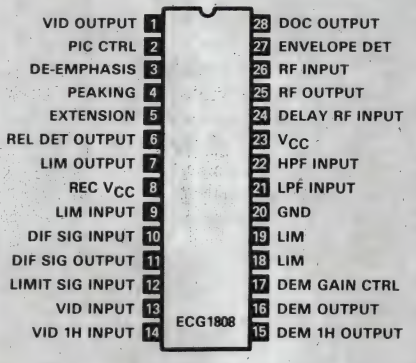
ECG1806 22-Pin DIP See Fig. L121A
VCR 4 Head Amp, V_{CC} = 5 V Typ



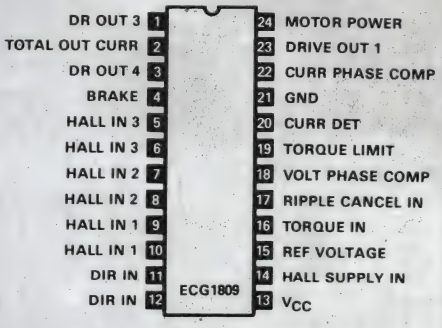
ECG1807 14-Pin DIP See Fig. L104
VCR 2 Head Amp, V_{CC} = 5 V Typ



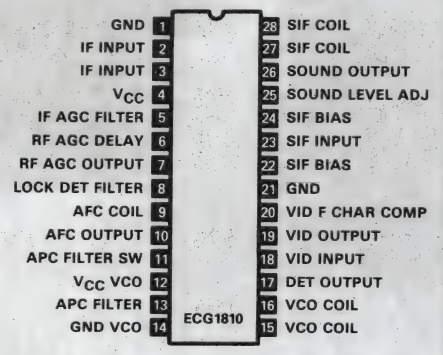
ECG1808 28-Pin DIP See Fig. L123A
VCR Video Signal Processor, V_{CC} = 5 V Typ



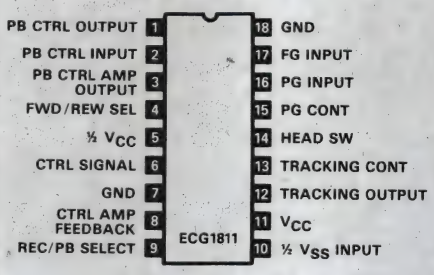
ECG1809 24-Pin DIP See Fig. L122B
VCR Capstan Drive, V_{CC} = 5 V Typ



ECG1810 28-Pin DIP See Fig. L123A
VCR Video Signal Processor, V_{CC} = 12 V Typ



ECG1811 18-Pin DIP See Fig. L115
VCR Servo Interface, V_{CC} = 5 V Typ

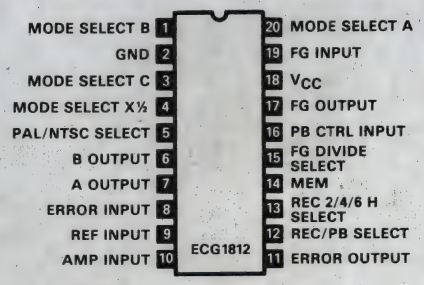


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

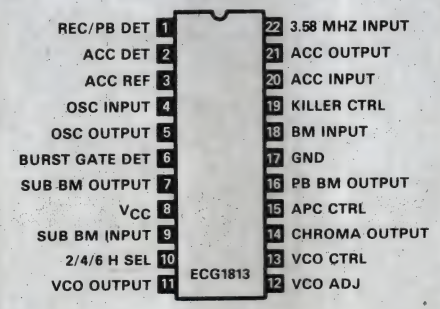
ECG1812 20-Pin DIP See Fig. L118

VCR Servo Interface, V_{CC} = 5 V Typ



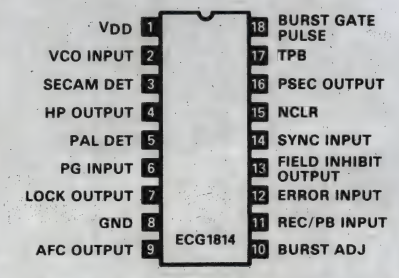
ECG1813 22-Pin DIP See Fig. L121A

VCR Color Signal Processor, V_{CC} = 5 V Typ



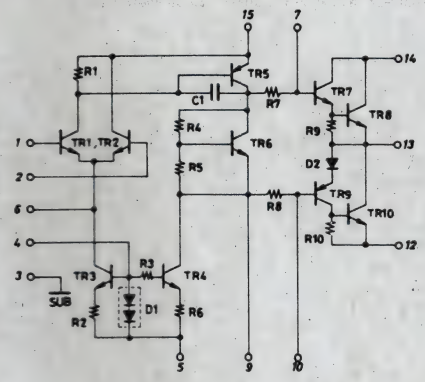
ECG1814 18-Pin DIP See Fig. L115A

VCR Color Signal Processor (CMOS), V_{DD} = 5 V Typ



ECG1815 15-Pin SIP-M See Fig. L69A

AF PO, 20 W, $V_{CC} = \pm 23$ V, $R_L = 8\Omega$



ECG1816 18-Pin SIP-M See Fig. L75B

Dual AF PO, 6 W, $V_{CC} = \pm 13.2$ V, $R_L = 8\ \Omega$

ECG1817

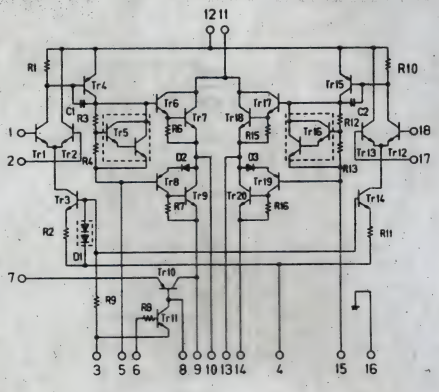
20 W, $V_{CC} = \pm 23$ V, $R_L = 8\ \Omega$

ECG1818

25 W, $V_{CC} = \pm 26$ V, $R_L = 8\ \Omega$

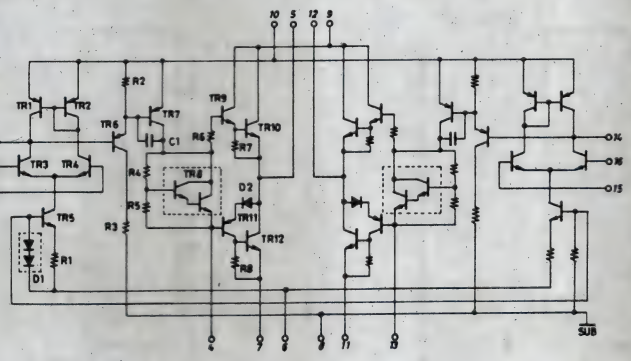
ECG1819

30 W, $V_{CC} = \pm 27.5$ V, $R_L = 8\ \Omega$



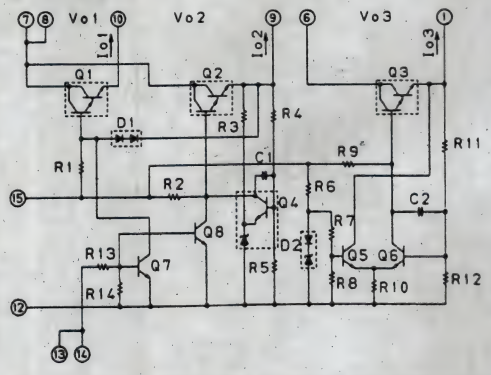
ECG1820 16-Pin SIP-M See Fig. L73

Dual AF PO, 30 W, $V_{CC} = \pm 27.5$ V, $R_L = 8\Omega$



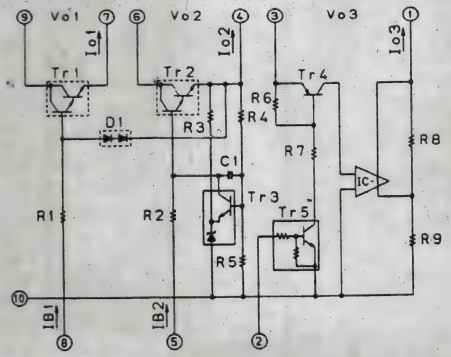
ECG1821 15-Pin SIP See Fig. L69C

VCR 3-Output Positive DC VR: 12 V @ 1 A, 12 V @ 1 A, 5.3 V @ 1 A



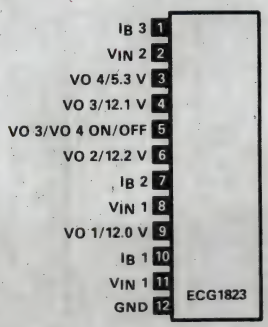
ECG1822 10-Pin SIP-M See Fig. L65A

VCR 3-Output Positive DC VR: 12 V @ 1.5 A, 12 V @ 1.5 A, 5.3 V @ .5 A



ECG1823 12-Pin SIP-M See Fig. L67B

VCR 4-Output Positive DC VR: 12 V @ 1.5 A, 12.2 V @ 1 A, 12.1 V @ 1 A, 5.3 V @ 1 A

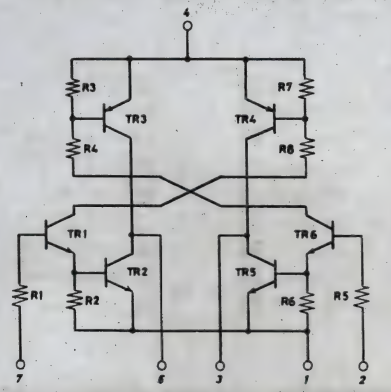


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Linear IC and Module Circuits (cont'd)

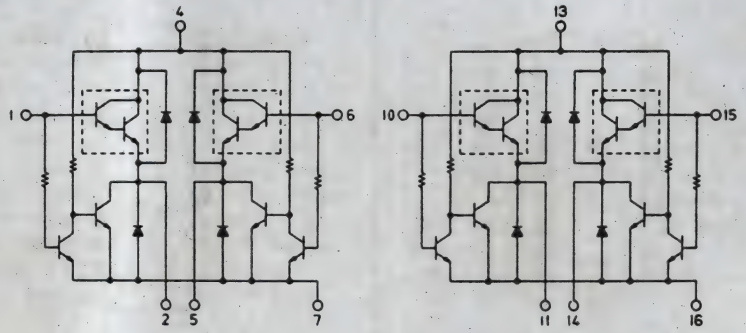
ECG1824 7-Pin SIP See Fig. L30B

DC Motor Driver, V_{CC} = 12 V Typ



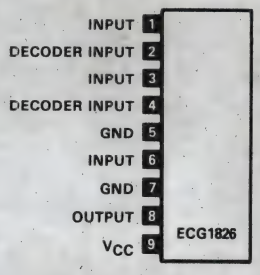
ECG1825 16-Pin SIP See Fig. L72A

Dual DC Motor Driver, V_{CC} = 12 V Typ



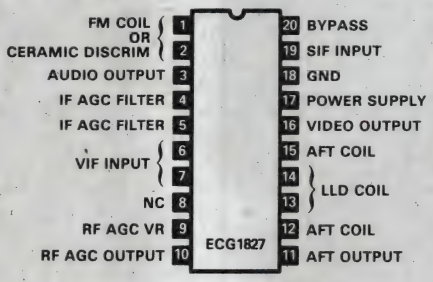
ECG1826 9-Pin SIP See Fig. L39

TV/VCR Decoder/Video Sw, V_{CC} = 9 V Typ



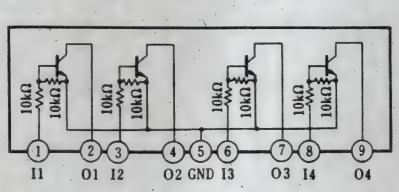
ECG1827 20-Pin DIP See Fig. L118A

TV VIF/Det/Vid-Snd Mute/RF AGC/AFT, V_{CC} = 12 V



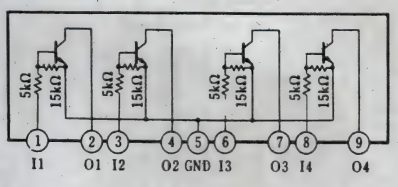
ECG1828 9-Pin SIP See Fig. L41

Quad Transistor Array



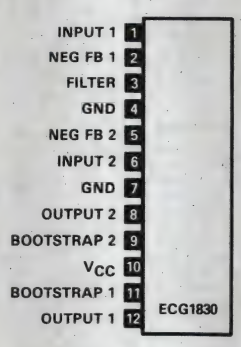
ECG1829 9-Pin SIP See Fig. L41

Quad Transistor Array



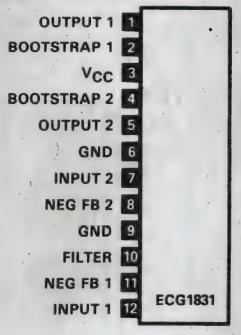
ECG1830 12-Pin SIP-HS See Fig. L92A

Dual 5.8 W/Ch (19 W BTL) AF PO, V_{CC} = 13.2 V, R_L = 4 Ω



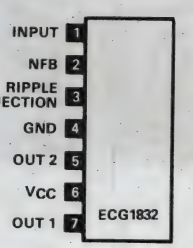
ECG1831 12-Pin SIP-HS See Fig. L92A

Dual 5.8 W/Ch (19 W BTL) AF PO, V_{CC} = 13.2 V, R_L = 4 Ω



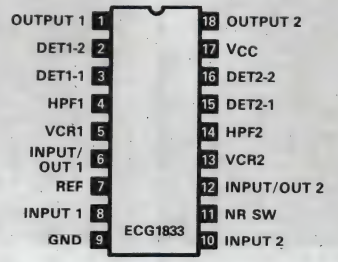
ECG1832 7-Pin SIP-HS See Fig. L76C

AF PO, 12 W, V_{CC} = 13.2 V, R_L = 4 Ω



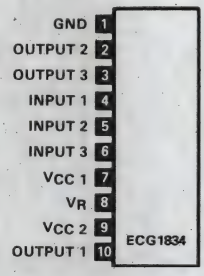
ECG1833 18-Pin DIP See Fig. L115

Dolby B-Type Noise Reduction System, V_{CC} = 12 V Typ



ECG1834 10-Pin SIP-HS See Fig. L87

Dual Bi-Directional Motor Driver, V_{CC} = 12 V Typ

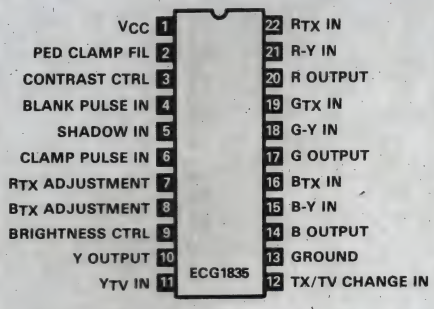


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

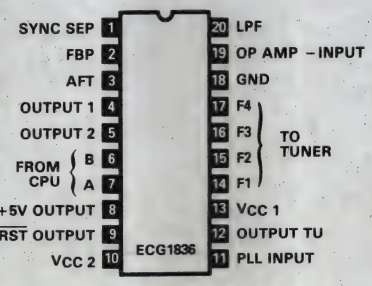
ECG1835 22-Pin DIP See Fig. L121

TV Interface for Character and Pattern, V_{CC} = 12 V Typ



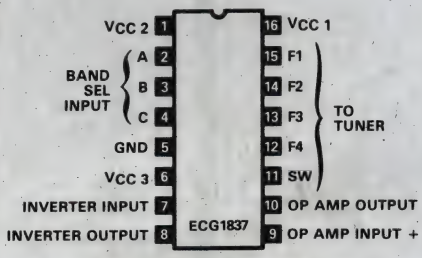
ECG1836 20-Pin DIP See Fig. L118A

TV/VCR Peripheral Circuit for Frequency Synthesizer Channel Select, V_{CC} = 12 V Typ



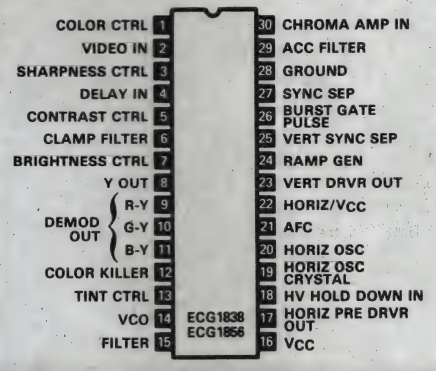
ECG1837 16-Pin DIP See Fig. L111

TV Tuner Controller, $V_{CC}1$ = 12 V Typ, $V_{CC}3$ = 35 V Max



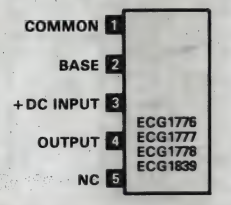
ECG1838 30-Pin DIP See Fig. L124C

Video/Chroma-Demod/Horiz-Vert Driver/ Osc, V_{CC} = 12 V Typ



ECG1839 5-Lead Formed SIP See Fig. L19B

TV Voltage Regulator, Output = 120 V @ 1 A

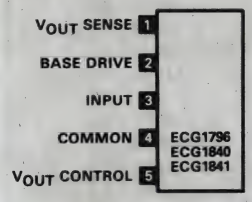


ECG1840 5-Lead Formed SIP See Fig. L19B

Hybrid Voltage Regulator, Output = 41.8 V

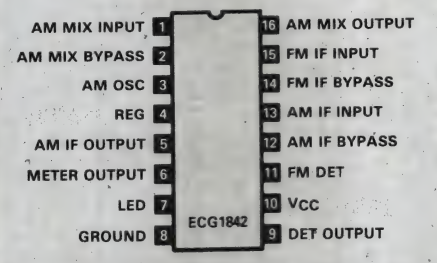
ECG1841

Hybrid Voltage Regulator, Output = 43 V



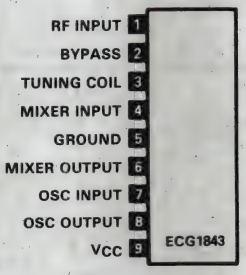
ECG1842 16-Pin DIP See Fig. L111

AM/FM IF System/Osc/Det/LED Driver, V_{CC} = 5 V Typ



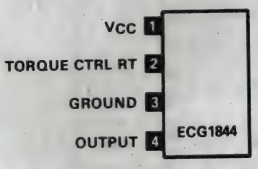
ECG1843 9-Pin SIP See Fig. L39

RF Amp/Mixer/Local Osc, V_{CC} = 5 V Typ



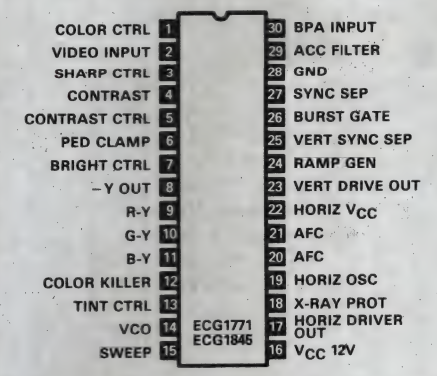
ECG1844 4-Pin SIP See Fig. L18C

Motor Speed Regulator, V_{CC} = 12 V Typ



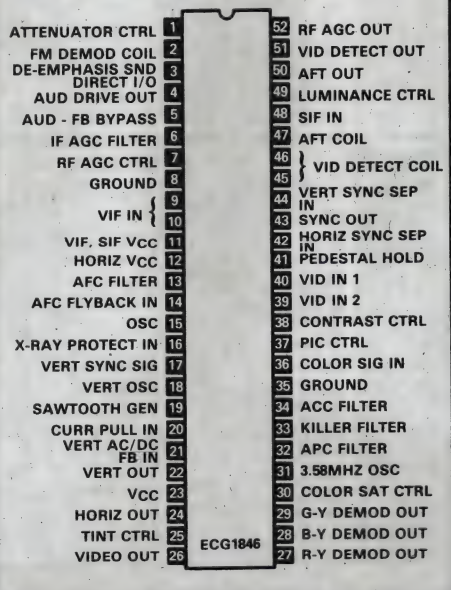
ECG1845 30-Pin DIP See Fig. L124C

Vid/Chroma/Demod/Horiz-Vert Osc/Driver/ Sync Sep/HV Protect/Vid Peak Clipping, V_{CC} = 12 V Typ



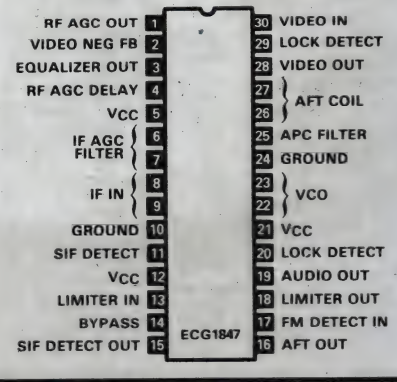
ECG1846 52-Pin DIP See Fig. L126C

Single Chip TV Signal Processor, V_{CC} = 9 V Typ



ECG1847 30-Pin DIP See Fig. L124C

PLL-SIF/VIF/RF AGC, V_{CC} = 9 V Typ



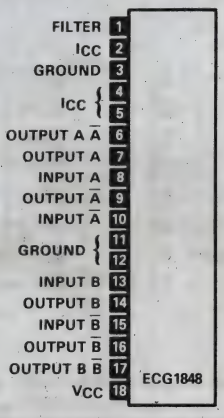
N

Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

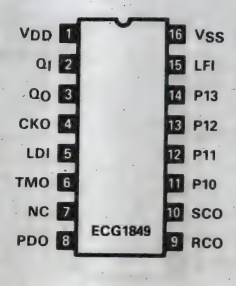
ECG1848 18-Pin SIP-M See Fig. L75C

Hybrid Stepping Motor Driver/Controller, V_{CC} = 24 V Typ, I_O = 1.5 A Max



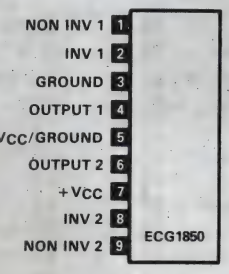
ECG1849 16-Pin DIP See Fig. L111

Frequency Synthesizer for TV Tuner (CMOS), V_{DD} = 7 V Typ



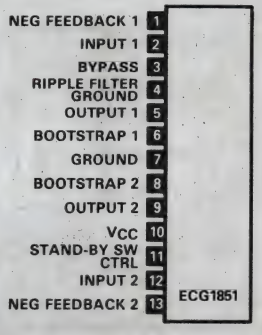
ECG1850 9-Pin SIP See Fig. L51A

Dual AF PO, 12 W/Ch, V_{CC} = ±16 V, R_L = 8 Ω



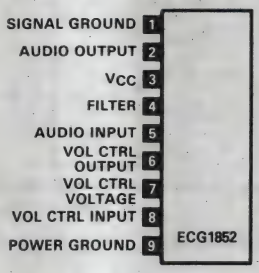
ECG1851 13-Lead Formed SIP See Fig. L57B

Dual AF PO, 12 W/Ch, 24 W (BTL), V_{CC} = 14.4 V, R_L = 2 Ω



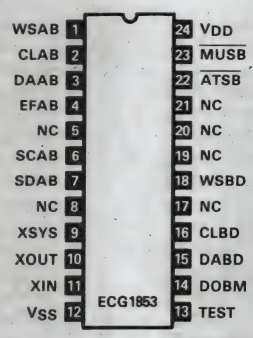
ECG1852 9-Pin SIP-HS See Fig. L81A

AF PO, 4 W with Volume Control, V_{CC} = 18 V, R_L = 8 Ω



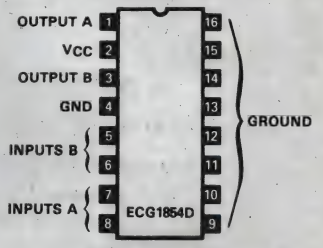
ECG1853 24-Pin DIP See Fig. L122

Digital Filter for CD Digital Audio Systems (CMOS), V_{DD} = 5 V Typ



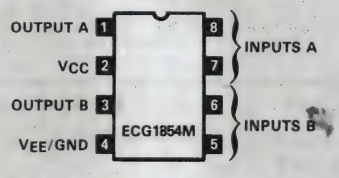
ECG1854D 16-Pin DIP See Fig. L111

Dual Power Op Amp, V_{CC} = 24 V, I_O = 1 A Max



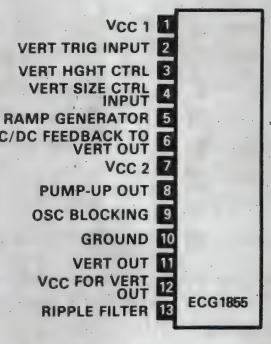
ECG1854M 8-Pin DIP See Fig. L98

Dual Power Op Amp, V_{CC} = ±15 V Typ, I_O = 1 A Max



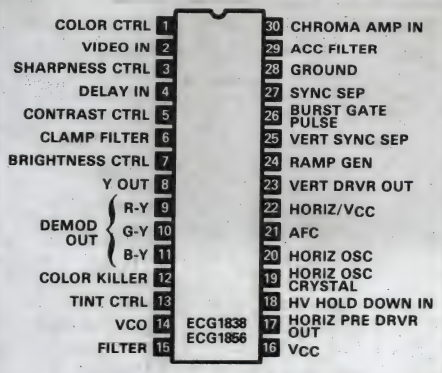
ECG1855 13-Pin SIP-HS See Fig. L92B

Vertical Deflection Output, V_{CC1} = 12 V Typ, V_{CC2} = 24 V Typ



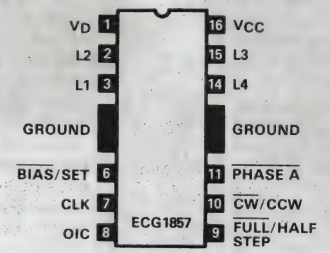
ECG1856 30-Pin DIP See Fig. L124C

Video/Chroma-Demod/Horiz-Vert Driver/ Osc w/Video Peak Clipping



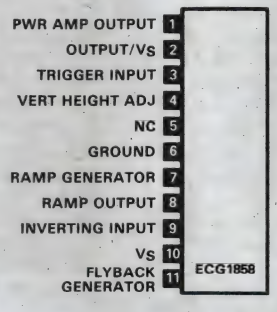
ECG1857 16-Pin DIP See Fig. L111

DC Stepper Motor Driver, V_{CC} = 12 V Typ, I_O = 500 mA Max



ECG1858 11-Pin SIP-HS See Fig. L93

TV Vertical Deflection Output, V_S = 35 V Max

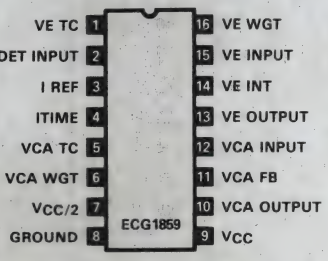


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

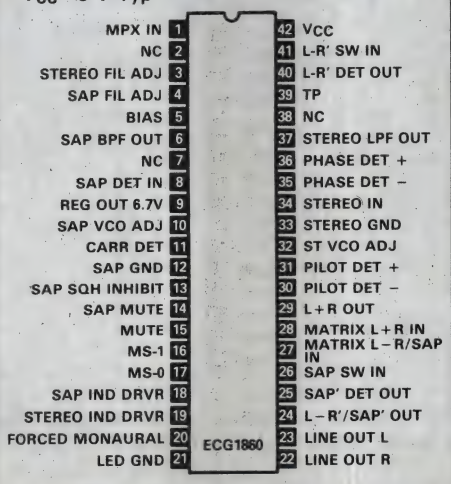
ECG1859 16-Pin DIP See Fig. L111

TV dbx Noise Reduction, V_{CC} = 9 V Typ



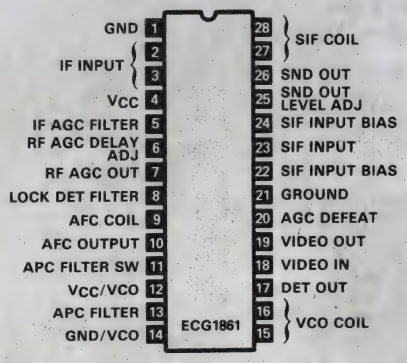
ECG1860 42-Pin DIP See Fig. L126A

TV Separate Audio Program (SAP), V_{CC} = 9 V Typ



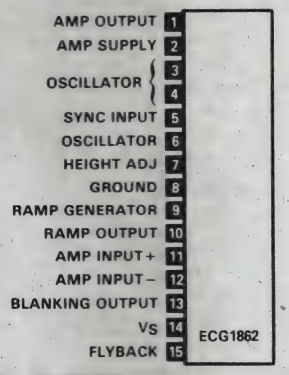
ECG1861 28-Pin DIP See Fig. L123A

TV Video IF Signal Processor, V_{CC} = 12 V Typ



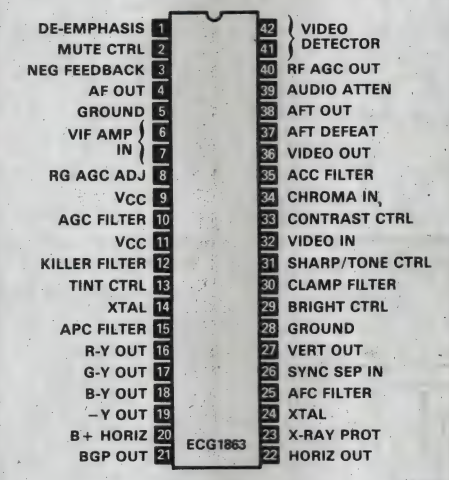
ECG1862 15-Pin SIP-HS See Fig. L93A

TV Vertical Deflection Output, V_S = 35 V Max



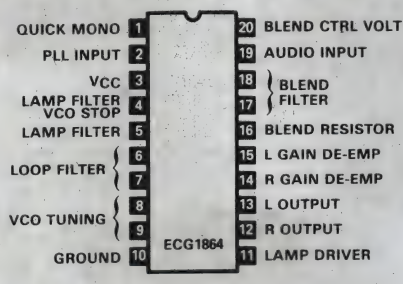
ECG1863 42-Pin DIP See Fig. L126A

Single Chip TV Signal Processor, V_{CC} = 12 V Max, 9 V Typ



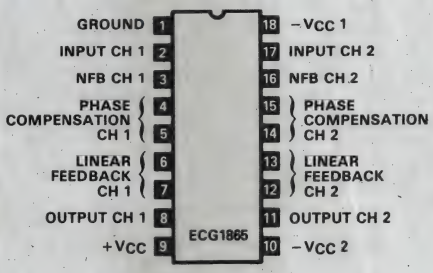
ECG1864 20-Pin DIP See Fig. L118A

FM Stereo Demodulator w/Blend (PLL) V_{CC} = 8 V Typ



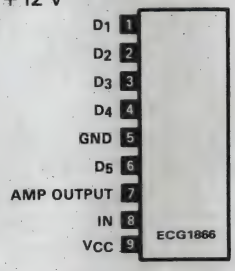
ECG1865 18-Pin DIP See Fig. L115

Dual Audio Driver for 60 W AF PO, V_{CC} = ±70 V



ECG1866 9-Pin SIP See Fig. L40

Driver for 5-Point + LED VU Meter, V_{CC} = +12 V

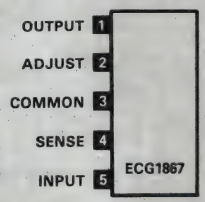


ECG1867 5-Pin SIP See Fig. L20B

Hybrid Voltage Regulator, Output = 12 V, 2 A

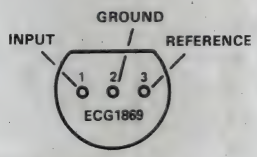
ECG1868

Output = 13 V, 2 A



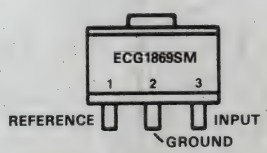
ECG1869 TO-92L See Fig. L17C

Adjustable Voltage Reference, 1.5 V to 25 V



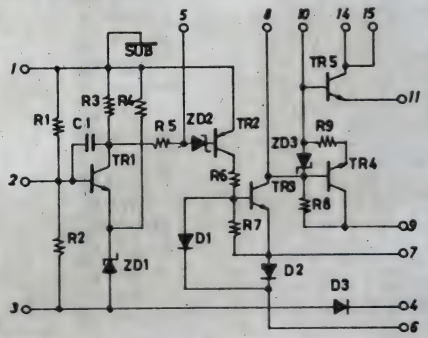
ECG1869SM SOT-89 See Fig. L161

Adjustable Voltage Reference, 1.5 V to 25 V



ECG1870 15-Pin SIP-M See Fig. L70A

Switching Regulator Power Module, 115 V

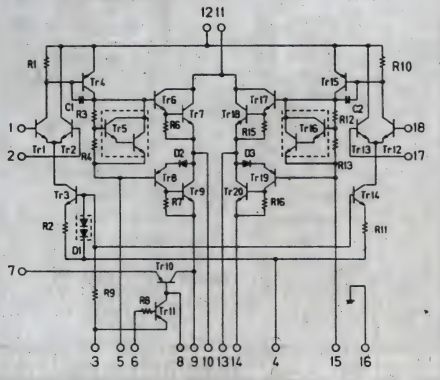


N

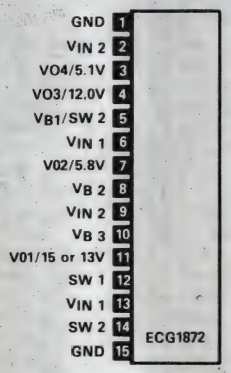
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

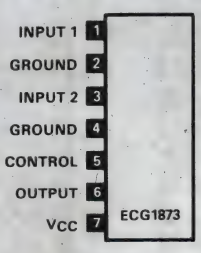
ECG1871 18-Pin SIP-M See Fig. L75B
Dual AF PO,
50 W, $V_{CC} = \pm 35$ V, $R_L = 8\ \Omega$
ECG1874
15 W, $V_{CC} = \pm 20$ V, $R_L = 8\ \Omega$



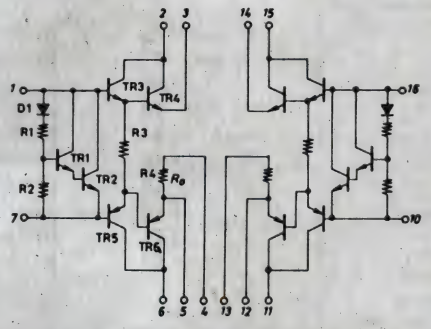
ECG1872 15-Pin SIP-M See Fig. L69A
VCR Positive DC VR: 15 V/13 V @ 1 A;
5.8 V @ .5 A; 12 V @ 1 A; 5.1 V @ 1 A



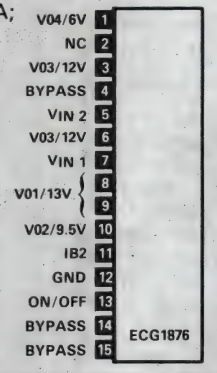
ECG1873 7-Pin SIP See Fig. L24
2 Input Audio/Video Switch, $V_{CC} = 9$ V Typ



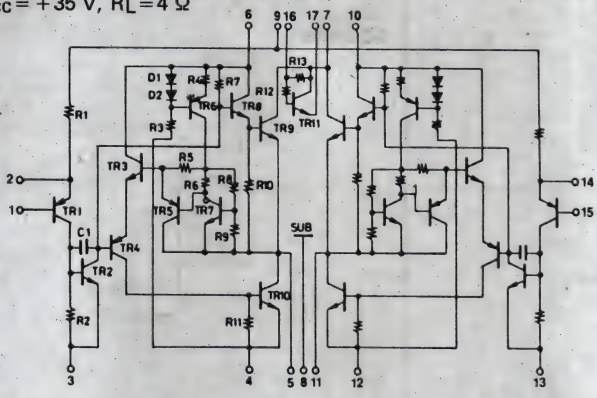
ECG1875 16-Pin SIP-M See Fig. L73
Dual AF PO, 30 W, $V_{CC} = \pm 30$ V, $R_L = 8\ \Omega$



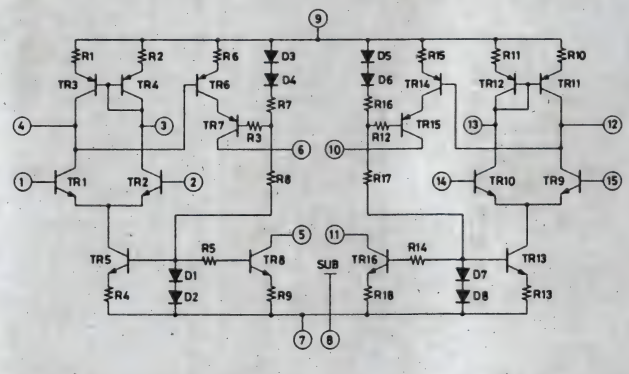
ECG1876 15-Pin SIP-M See Fig. L69A
VCR Positive DC VR: 13 V @ 1.5 A;
9.5 V @ 1.5 A; 12 V @ 1.5 A;
6 V @ .5 A



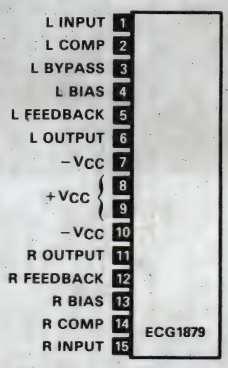
ECG1877 18-Pin SIP-M See Fig. L75B
Dual AF PO, 28 W,
$V_{CC} = +35$ V, $R_L = 4\ \Omega$



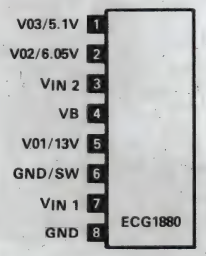
ECG1878 15-Pin SIP-M See Fig. L68A
2 Channel Audio Driver for 40 to 50 W AF PO



ECG1879 15-Pin SIP-M See Fig. L69
Dual AF PO, 18 W, $V_{CC} = \pm 24$ V, $R_L = 8\ \Omega$



ECG1880 8-Pin SIP-M See Fig. L60A
VCR Positive DC VR: 13 V @ 1 A; 6.05 V @ 1 A; 5.1 V @ .5 A

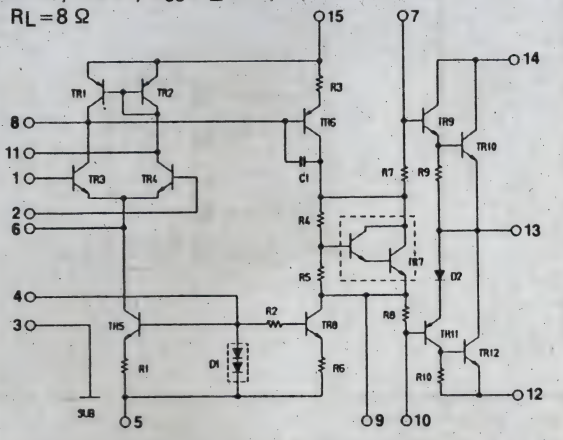


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

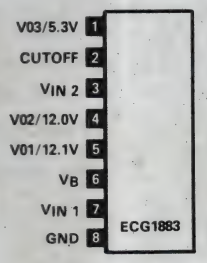
ECG1882 15-Pin SIP-M See Fig. L70B

AF PO, 100 W, $V_{CC} = \pm 51$ V, $R_L = 8\ \Omega$



ECG1883 8-Pin SIP-M See Fig. L60B

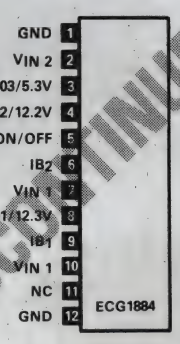
VCR Positive DC VR: 12.1 V @ .8 A; 12 V @ .8 A; 5.3 V @ 1 A



ECG1884 12-Pin SIP-M See Fig. L67C

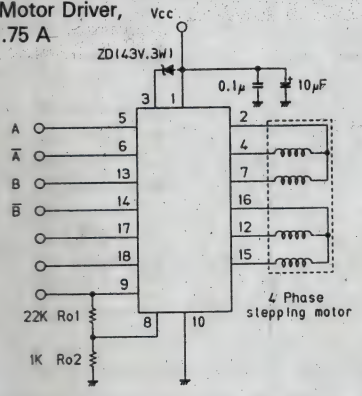
VCR Positive DC VR: 12.3 V @ 1 A; 12.2 V @ 1 A; 5.3 V @ 1 A

DISCONTINUED



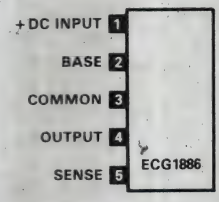
ECG1885 18-Pin SIP-M See Fig. L75B

4-Phase Stepping Motor Driver, $V_{CC} = 36$ V, $I_O = 1.75$ A



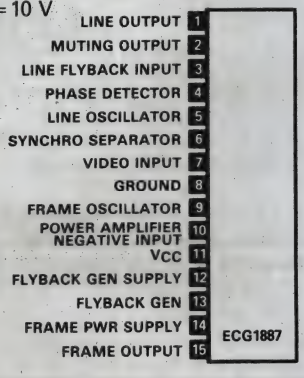
ECG1886 5-Pin SIP See Fig. L20B

TV Voltage Regulator, 100 V



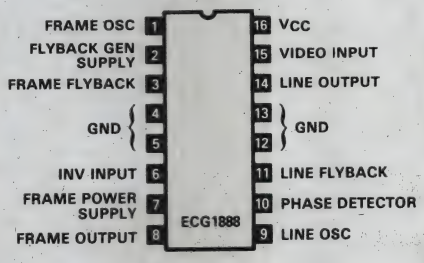
ECG1887 15-Pin SIP See Fig. L93A

Horiz/Vert Deflection Output, $V_{CC} = 10$ V



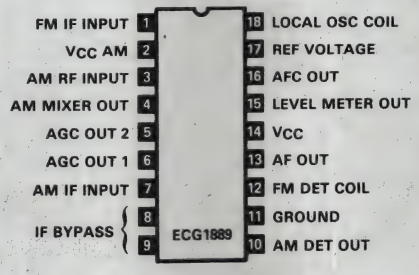
ECG1888 16-Pin DIP See Fig. L112

Horiz/Vert Deflection Output, $V_{CC} = 14$ V



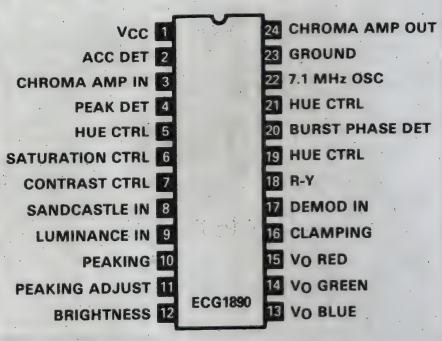
ECG1889 18-Pin DIP See Fig. L115

AM/FM IF Amp and AM Tuner, $V_{CC} = 5$ V



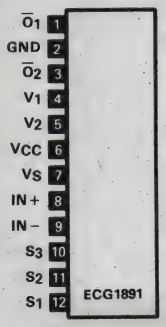
ECG1890 24-Pin DIP See Fig. L122

TV Signal Processor, $V_{CC} = 12$ V



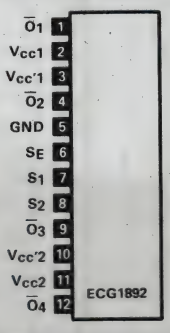
ECG1891 12-Pin SIP See Fig. L91A

DC Motor Driver with Speed Control, $V_{CC} = 12$ V, $I_O = 200$ mA



ECG1892 12 Pin SIP See Fig. L91A

DC Dual Bi-Directional Motor Driver, $V_{CC} = 12$ V, $I_O = 300$ mA



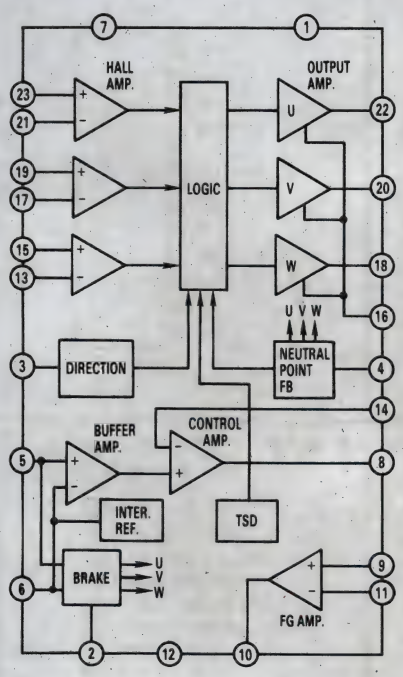
N

Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1893 23-Pin ZIL See Fig. L47B

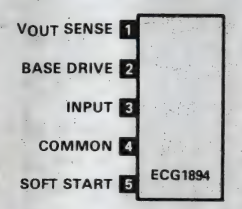
3-Phase Motor Driver, $V_{CC1} = 5$ V, $V_{CC2} = 15$ V, $I_O = 1.5$ A



Pin 1 = V_{CC2}, Pin 7 = V_{CC1}, Pin 12 = GND

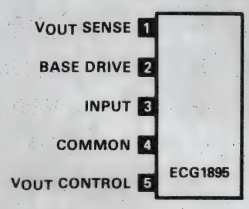
ECG1894 5-Lead Formed SIP See Fig. L19B

TV Voltage Regulator, Output = 41.8 V @ 1.2 A



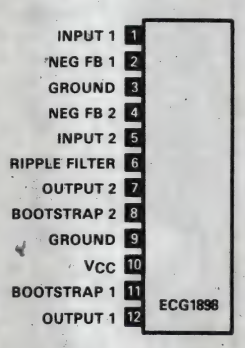
ECG1895 5-Lead Formed SIP See Fig. L19B

TV Voltage Regulator, Output = 41.8 V @ 1.1 A



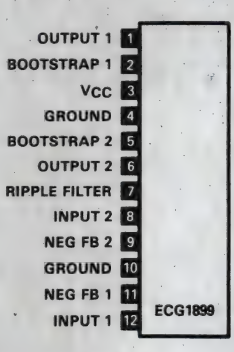
ECG1898 12-Pin SIP See Fig. L92A

Dual AF PO, 5.8 W/Ch, 19 W BTL, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



ECG1899 12-Pin SIP See Fig. L92A

Dual AF PO, 5.8 W/Ch, 19 W BTL, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$

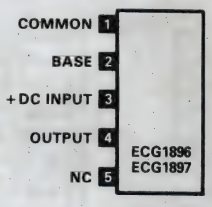


ECG1896 5-Lead Formed SIP See Fig. L19B

TV Voltage Regulator, Output = 115 V, 1 A

ECG1897

TV Voltage Regulator, Output = 125 V, 1 A

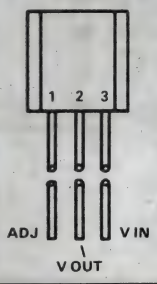


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG1900 TO-92 See Fig. L16
3-Terminal Pos Adj Voltage Regulator,
V_O = 1.2 V to 37 V, I_O = 100 mA,
V_{in} = 40 Vmax, 2.45 Vmin, P_D = 625 mW

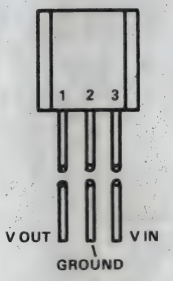
ECG1901
3-Terminal Neg Adj Voltage Regulator,
V_O = −1.2 V to −37 V, I_O = 100 mA,
V_{in} = −40 Vmax,
−2.45 Vmin,
P_D = 625 mW



ECG1902 TO-92 See Fig. L16
3-Terminal Pos Fixed Voltage Regulators,
Output = 9 V, 100 mA

ECG1906
Output = 18 V

ECG1908
Output = 24 V



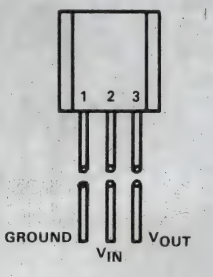
ECG1903 TO-92 See Fig. L16
3-Terminal Neg Fixed Voltage Regulators,
Output = −12 V, 100 mA

ECG1905
Output = −15 V

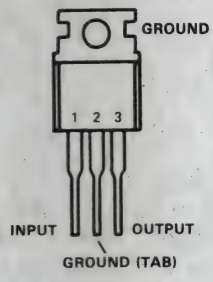
ECG1907
Output = −18 V

ECG1909
Output = −24 V

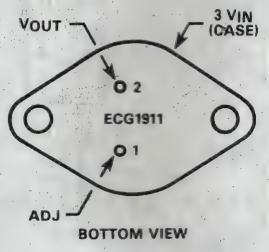
ECG1917
Output = −5 V



ECG1910 TO-220 See Fig. L17
Positive Voltage Regulator, 9 V @ 1 A



ECG1911 TO-3 See Fig. L11
3-Terminal Neg Adj Voltage Regulator,
V_O = −1.2 V to −37 V, I_O = 1.5 A,
V_{in} = −40 Vmax, −2.45 Vmin, P_D = 20 W



ECG1912 TO-3 See Fig. L11
3-Terminal Pos Fixed Voltage Regulators,
Output = 12 V, 3 A

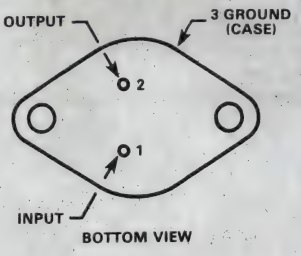
ECG1914
Output = 12 V, 1.5 A

ECG1916
Output = 15 V, 1.5 A

ECG1918
Output = 15 V, 3 A

ECG1920
Output = 18 V, 1.5 A

ECG1924
Output = 24 V, 1.5 A



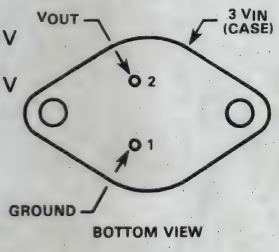
ECG1913 TO-3 See Fig. L11
3-Terminal Neg Fixed Voltage Regulators,
Output = −5 V, 1.5 A

ECG1915
Output = −12 V

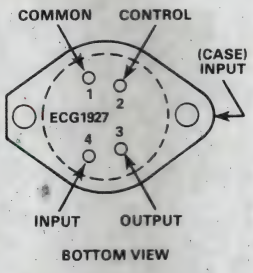
ECG1919
Output = −15 V

ECG1923
Output = −18 V

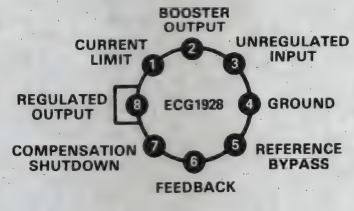
ECG1925
Output = −24 V



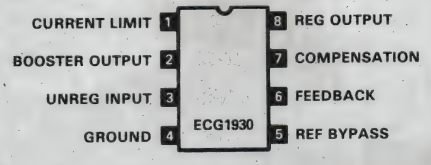
ECG1927 TO-3, 4-Pin See Fig. L11B
4-Terminal Neg Adj Voltage Regulator,
V_O = −2.2 V to −30 V, I_O = 1 A,
V_{in} = −40 Vmax, −4.7 Vmin, P_D = 15 W



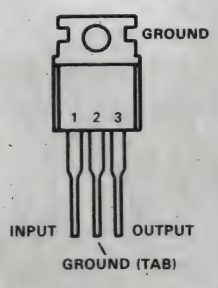
ECG1928 TO-5, 8-Pin See Fig. L3
Positive Adj Voltage Regulator,
Output = 4.5 to 30 V



ECG1930 8-Pin DIP See Fig. L98
Positive Adj Voltage Regulator,
Output = 5 to 37 V



ECG1932 TO-220 See Fig. L17
Positive Voltage Regulator, 10 V @ 1 A



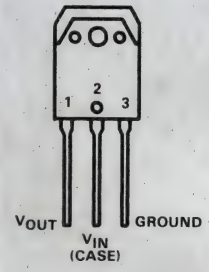
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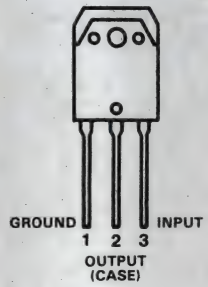
See Voltage Regulator Selector Guide Page 1-157

Linear IC and Module Circuits (cont'd)

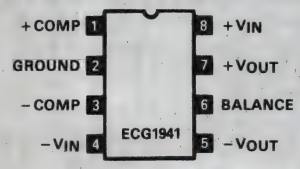
ECG1934 TO-3PJ See Fig. L17A
3-Terminal Positive Voltage Regulators,
Output = 5 V, 2 A
ECG1936
Output = 12 V
ECG1938
Output = 15 V
ECG1940
Output = 24 V



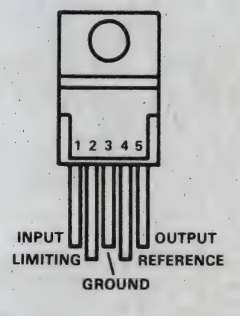
ECG1934X TO-3PJ See Fig. L17A
3-Terminal Positive Voltage Regulator,
5 V, 2 A



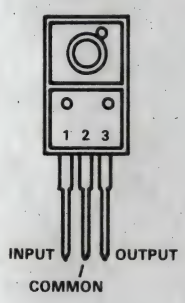
ECG1941 8-Pin DIP See Fig. L97
Dual Tracking Voltage Regulator, ±15 V,
Vin = ±30 Vmax, Iout = 100 mA Max



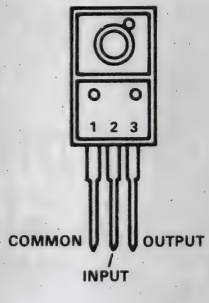
ECG1942 TO-220, 5-Pin See Fig. L19
Positive Adj Voltage Regulator,
Output = 3 to 36 V, 2 A



ECG1960 TO-220M See Fig. L163
3-Terminal Pos Fixed Voltage Regulators,
Output = 5 V, 1 A
ECG1962
Output = 6 V
ECG1964
Output = 8 V
ECG1966
Output = 9 V
ECG1968
Output = 10 V
ECG1970
Output = 12 V
ECG1972
Output = 15 V
ECG1974
Output = 18 V
ECG1976
Output = 24 V



ECG1961 TO-220 See Fig. L163
3-Terminal Neg Fixed Voltage Regulators,
Output = −5 V, 1 A
ECG1963
Output = −6 V
ECG1965
Output = −8 V
ECG1967
Output = −9 V
ECG1971
Output = −12 V
ECG1973
Output = −15 V
ECG1975
Output = −18 V
ECG1977
Output = −24 V



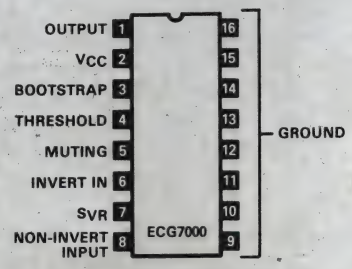
See Voltage Regulator Selector Guide Page 1-157

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Linear IC and Module Circuits (cont'd)

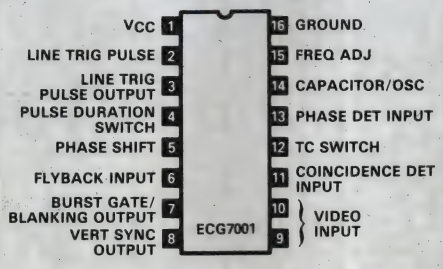
ECG7000 16-Pin DIP See Fig. L111

AF PO, 5 W, V_{CC} = 14 V, R_L = 4 Ω



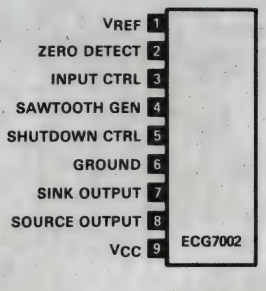
ECG7001 16-Pin DIP See Fig. L111

Horiz/Vert Signal Processor, V_{CC} = 12 V Typ



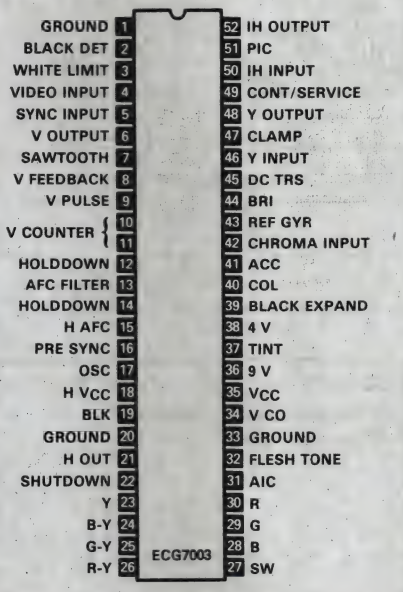
ECG7002 9-Pin SIP-HS See Fig. L80A

Switch Mode Power Supply Controller, V_{CC} = 10 V Typ



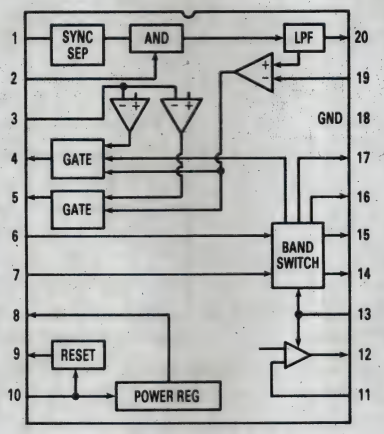
ECG7003 52-Pin DIP See Fig. L126C

Single Chip TV Signal Processor, V_{CC} = 12 V Typ



ECG7004 20-Pin DIP See Fig. L118A

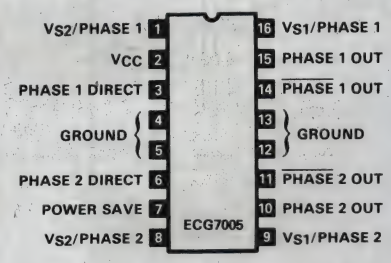
Channel Select System Controller, V_{CC} = 12 V Typ



Pin 10 = V_{CC}

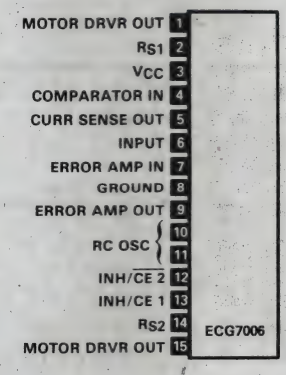
ECG7005 16-Pin DIP See Fig. L111

Dual Stepping Motor Driver, V_{CC} = 5 V, I_O = 300 mA



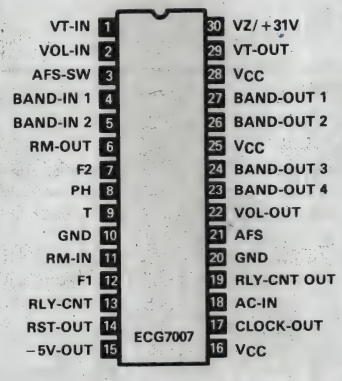
ECG7006 15-Pin SIP-HS See Fig. L93A

Bi-Directional Motor Driver, V_{CC} = 24 V Typ, I_O = 2.5 A



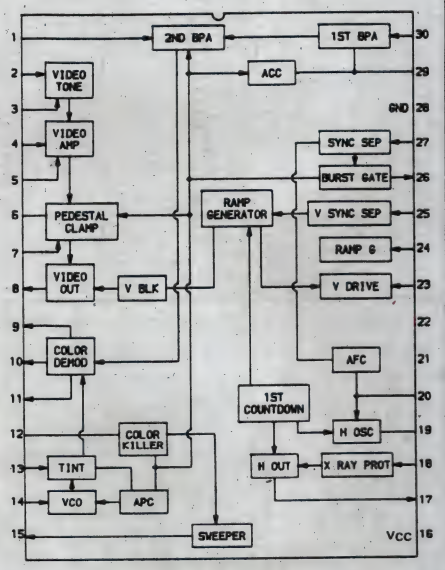
ECG7007 30-Pin DIP See Fig. L124C

TV/VCR Interface and Function Control, V_{CC} = 12 V Typ



ECG7008 30-Pin DIP See Fig. L124C

Video/Chroma/Horiz-Vert Driver/Sync Sep/ X-Ray Protect, V_{CC} = 12 V Typ

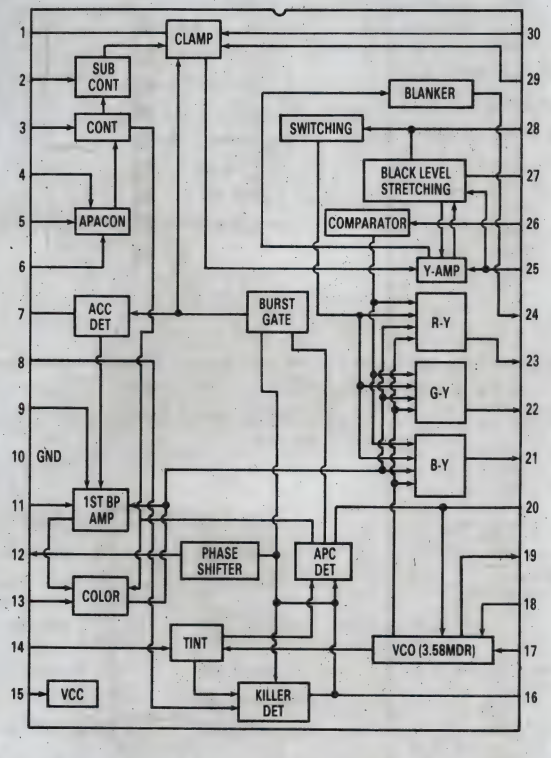


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

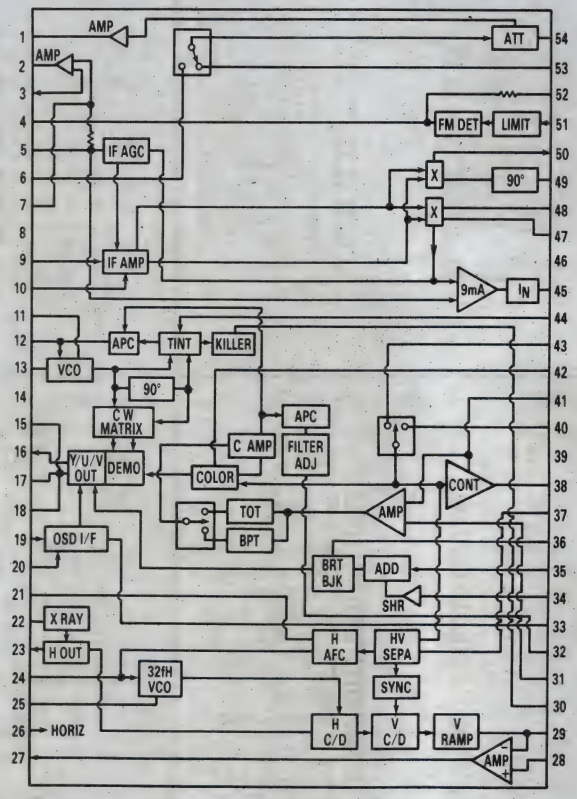
ECG7009 30-Pin DIP See Fig. L124C

Video/Chroma Processor/Demod, V_{CC} = 12 V Typ



ECG7010 54-Pin DIP See Fig. L126D

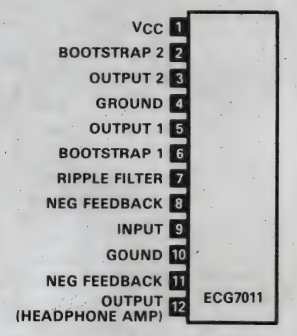
Single Chip Processor with OSD Interface, V_{CC} = 9 V Typ



Pin 8,39 = GND, Pin 46 = V_{CC}

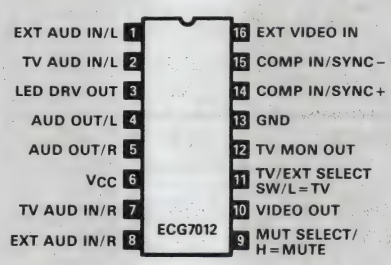
ECG7011 12-Pin SIP See Fig. L55

AF PO, 20 W, V_{CC} = 15 V, R_L = 4 Ω



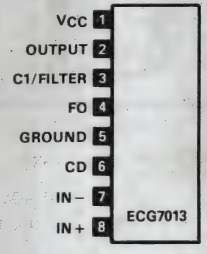
ECG7012 16-Pin DIP See Fig. L111

A/V Switch with Dual Inputs/LED Driver/ Mute Control, V_{CC} = 12 V Typ



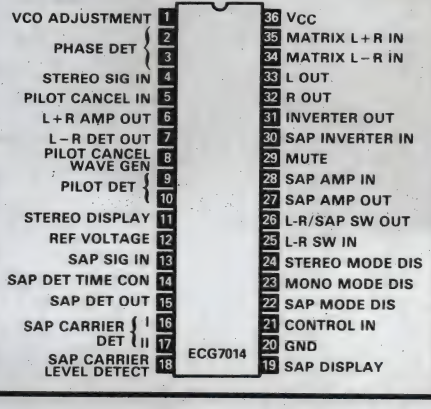
ECG7013 8-Pin SIP See Fig. L35B

IR Remote Control Receiver Preamp, V_{CC} = 5 V Typ



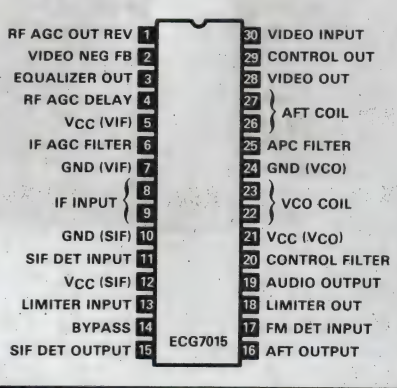
ECG7014 36-Pin DIP See Fig. L124D

TV MPX Sound with Separate Audio Program, V_{CC} = 12 V Typ



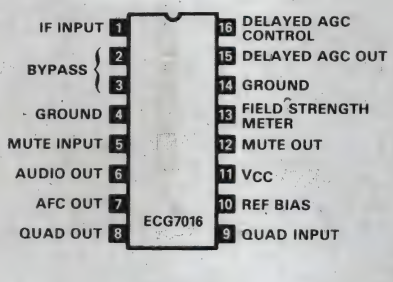
ECG7015 30-Pin DIP See Fig. L124C

PLL/SIF/VIF/RF AGC, V_{CC} = 9 V Typ



ECG7016 16-Pin DIP See Fig. L111

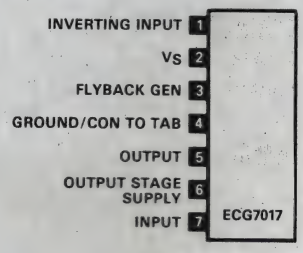
FM IF System, V_{CC} = 12 V Typ



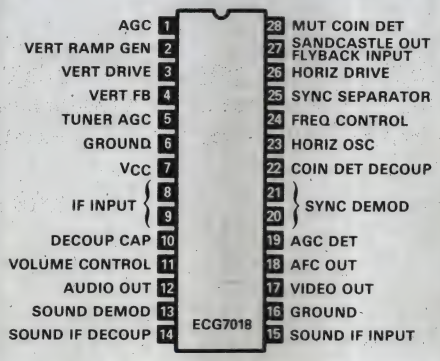
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

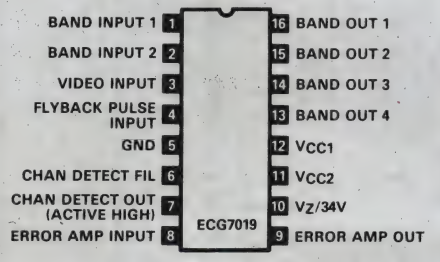
ECG7017 7-Lead Formed SIP See Fig. L19A
TV Vert Deflection with Auto Compensation/ Thermal Protect, $V_S = 35$ V Typ



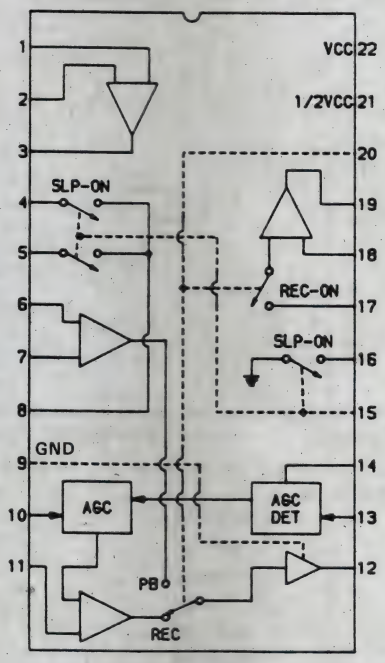
ECG7018 28-Pin DIP See Fig. L124
TV Small Signal Sub-system, $V_{CC} = 12$ V Typ



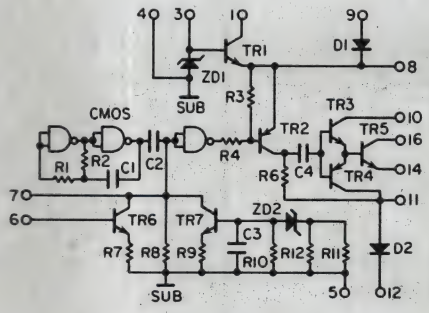
ECG7019 16-Pin DIP See Fig. L111
TV Digital Tuning System Control, $V_{CC1} = 12$ V Typ, $V_{CC2} = 13.2$ V Typ



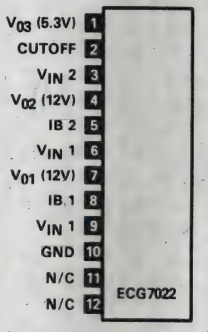
ECG7020 22-Pin DIP See Fig. L121A
VCR Audio Record/Playback Processor, $V_{CC} = 9$ V Typ



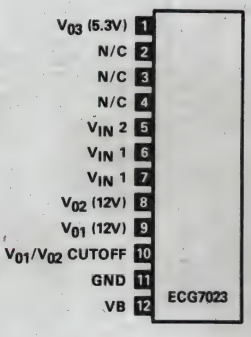
ECG7021 16-Pin SIP See Fig. L169
Switching Regulator



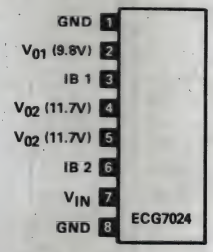
ECG7022 12-Pin SIP-M See Fig. L67C
VCR Positive DC VR: 12 V @ 1.5 A, 12 V @ 1.5 A, 5.3 V @ 1 A



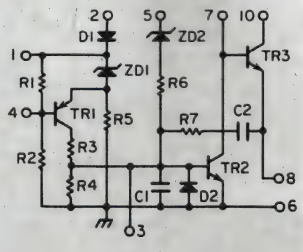
ECG7023 12-Pin SIP-M See Fig. L67C
VCR Positive DC VR: 12 V @ 1 A, 12 V @ 1 A, 5.3 V @ 1 A



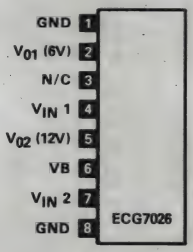
ECG7024 8-Pin SIP-M See Fig. L60A
VCR Positive DC VR: 9.8 V @ 1 A, 11.7 V @ 2 A



ECG7025 10-Pin SIP-M See Fig. L65A
Switching Regulator



ECG7026 8-Pin SIP-M See Fig. L60A
VCR Positive DC VR: 6 V @ .5 A, 12 V @ 1 A



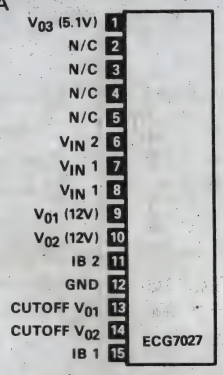
Package Outlines - See Page 1-269

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Linear IC and Module Circuits (cont'd)

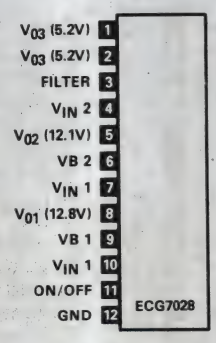
ECG7027 15-Pin SIP See Fig. L167

VCR Positive DC VR: 12V @ 1A, 12V @ 1A, 5.1V @ .5A



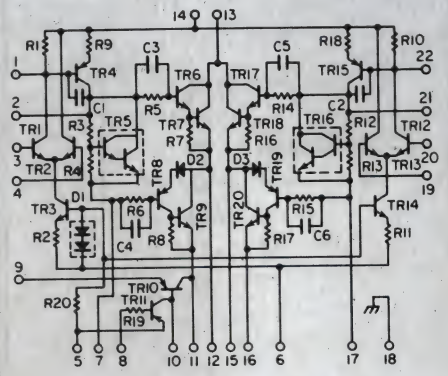
ECG7028 12-Pin SIP-M See Fig. L67C

VCR Positive DC VR: 12.8V @ 1A, 12.1V @ 1A, 5.2V @ 1A



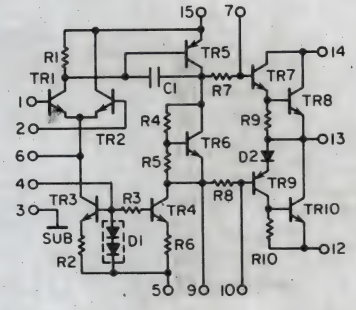
ECG7029 22-Pin SIP See Fig. L162

Dual AF PO, 100W, $R_L = 8\Omega$, $Vcc = \pm 51V$



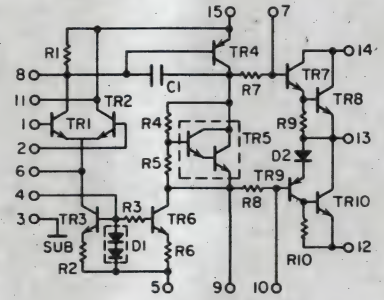
ECG7030 15-Pin SIP-M See Fig. L69A

AF PO, 50W, $R_L = 8\Omega$, $Vcc = \pm 35V$



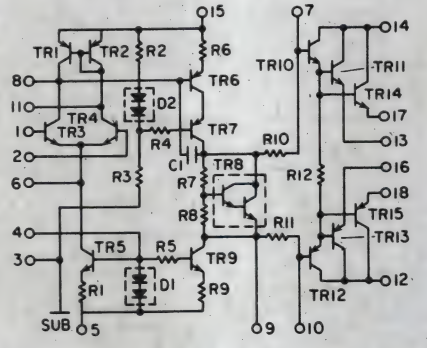
ECG7031 15-Pin SIP-M See Fig. L70B

AF PO, 100W, $R_L = 8\Omega$, $Vcc = \pm 51V$



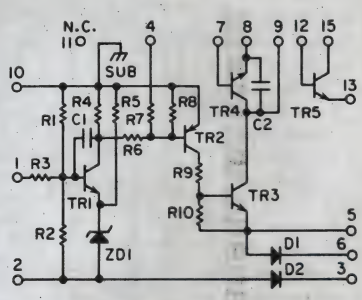
ECG7032 18-Pin SIP See Fig. L75D

AF PO, 120W, $R_L = 8\Omega$, $Vcc = \pm 55V$



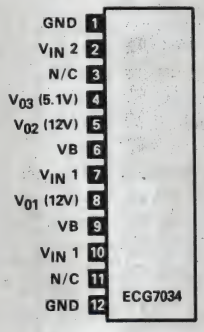
ECG7033 15-Pin SIP See Fig. L168

Switching Regulator



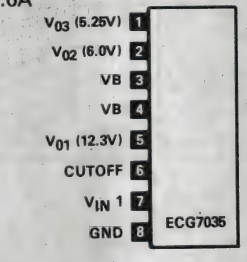
ECG7034 12-Pin SIP-M See Fig. L67C

VCR Positive DC VR: 12V @ 1A, 12V @ 1A, 5.1V @ 1A



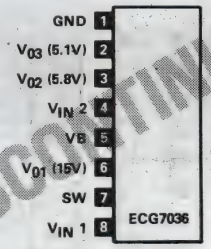
ECG7035 8-Pin SIP-M See Fig. L60A

VCR Positive DC VR: 12.3V @ 1A, 6V @ 1A, 5.25V @ .6A



ECG7036 8-Pin SIP-M See Fig. L60B

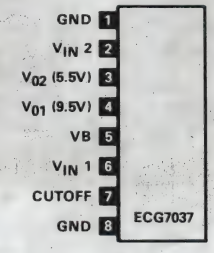
VCR Positive DC VR: 15V @ 1A, 5.8V @ 1A, 5.1V @ 1A



DISCONTINUED

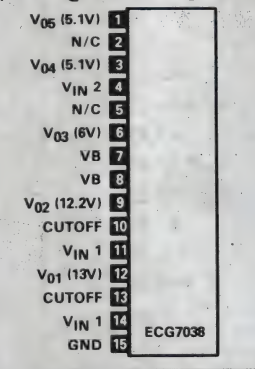
ECG7037 8-Pin SIP-M See Fig. L60A

VCR Positive DC VR: 9.5V @ 1A, 5.5V @ 1A



ECG7038 15-Pin SIP-M See Fig. L69A

VCR Positive DC VR: 13V @ 1A, 12.2V @ 1A, 6V @ 1A, 5.1V @ 1A, 5.1V @ 1A

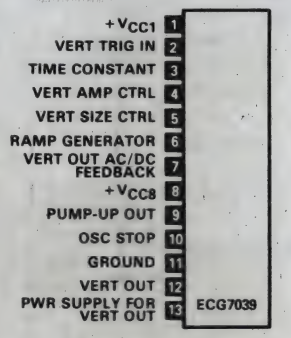


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

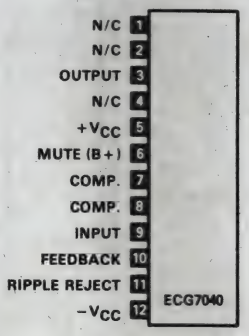
ECG7039 13-Pin SIP-HS See Fig. L92B

TV Vertical Deflection Output, Vcc1 = 12V, Vcc8 = 24V



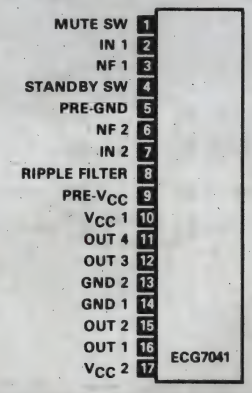
ECG7040 12-Pin SIP-HS See Fig. L92

AF PO, 20W, Vcc = ±25V, RL = 8Ω



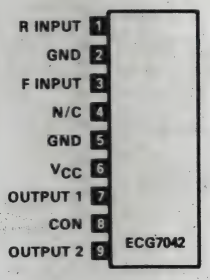
ECG7041 17-Pin SIP See Fig. L166

Dual AF PO, 22W, Vcc = 13.2V, RL = 4Ω



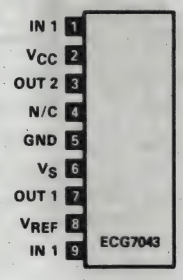
ECG7042 9-Pin SIP See Fig. L40

Bi-directional Motor Driver, Io = .7A, Vcc = 9V



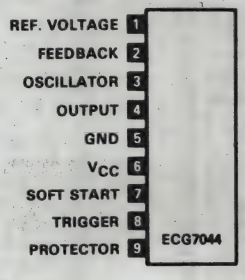
ECG7043 9-Pin SIP See Fig. L39

Bi-directional Motor Driver, Io = 1A, Vcc = 12V



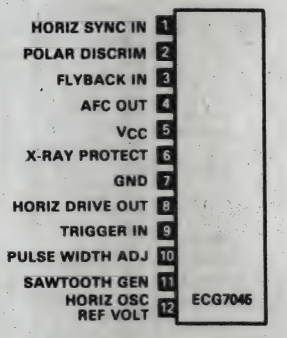
ECG7044 9-Pin SIP See Fig. L41

Switching Regulator Control Circuit, Vcc = 12V



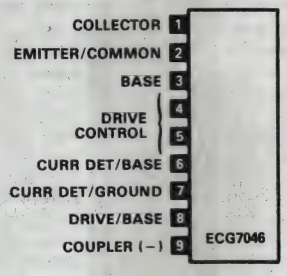
ECG7045 12-Pin SIP See Fig. L43A

Horizontal Processor, Vcc = 11V



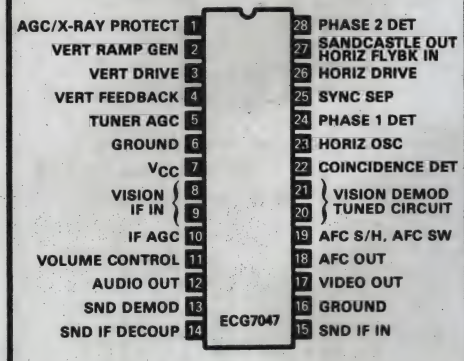
ECG7046 9-Pin SIP-HS See Fig. L171

Power Regulator



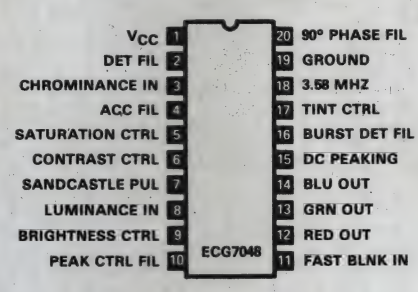
ECG7047 28-Pin DIP See Fig. L124

TV Small Signal Sub-System, Vcc = 12V Typ



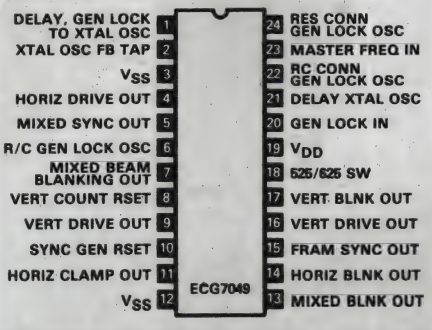
ECG7048 20-Pin DIP See Fig. L118A

TV Chroma Processor/Demodulator, Vcc = 12V Typ



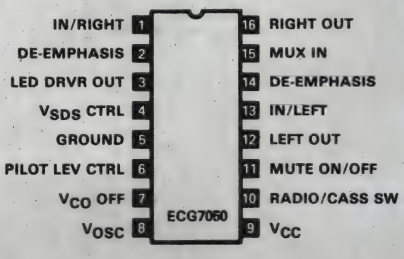
ECG7049 24-Pin DIP See Fig. L122

TV Video Sync Generator (CMOS), VDD = +4 to +15V



ECG7050 16-Pin DIP See Fig. L112

PLL Stereo Decoder, Vcc = 8.5V Typ

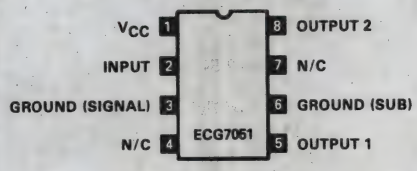


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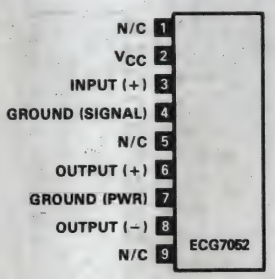
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

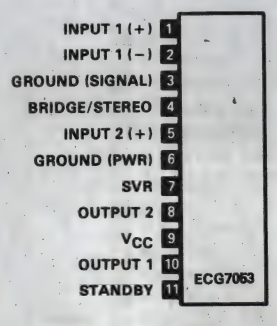
ECG7051 8-Pin DIP See Fig. L97
AF PO, 1W, Vcc = 6V, R_L = 8Ω



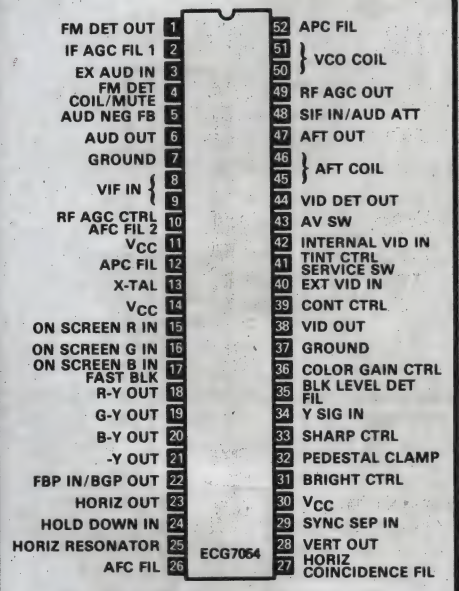
ECG7052 9-Pin SIP-HS See Fig. L79
AF PO, 3W, Vcc = 11V Typ, R_L = 16Ω



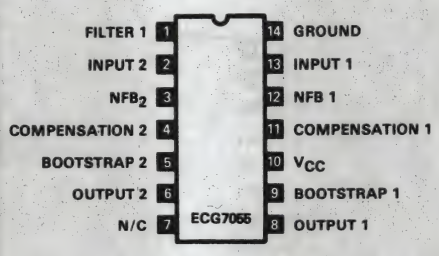
ECG7053 11-Pin Formed SIP See Fig. L93
Dual AF PO, 6.5W, 20W (BTL), Vcc = 14.4V, R_L = 4Ω



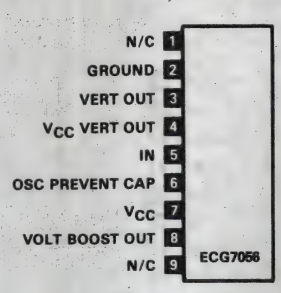
ECG7054 52-Pin DIP See Fig. L126C
Single Chip TV Signal Processor, Vcc = 9V Typ



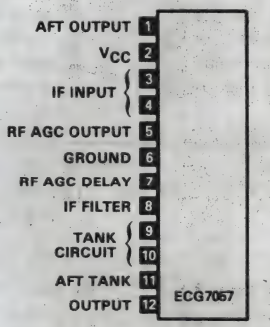
ECG7055 14-Pin DIP-ET See Fig. L146
Dual AF PO, 1.2W, Vcc = 9V, R_L = 8Ω



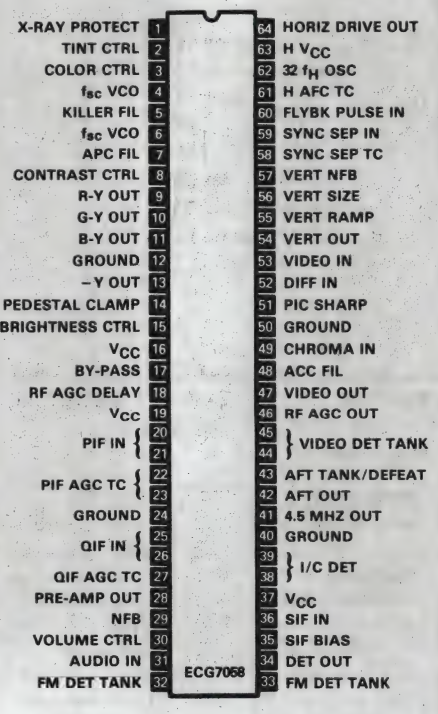
ECG7056 9-Pin SIP-HS See Fig. L172
Vertical Deflection Output, Vcc = 24V Typ



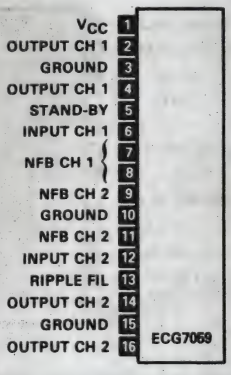
ECG7057 12-Pin SIP See Fig. L165
TV SIF/AFT/RF AGC, Vcc = 9V Typ



ECG7058 64-Pin DIP See Fig. L126B
Single Chip TV Signal Processor, Vcc = 9V Typ



ECG7059 16-Pin SIP-HS See Fig. L175
Dual BTL AF PO, 14W, Vcc = 13.2V, R_L = 8Ω

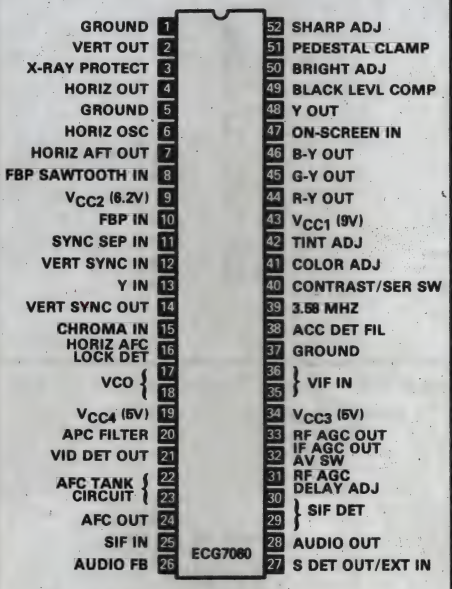


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

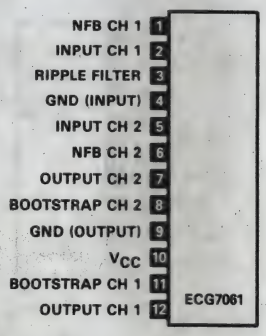
ECG7060 52-Pin DIP See Fig. L126C

Single Chip TV Signal Processor, Vcc1 = 9V Typ



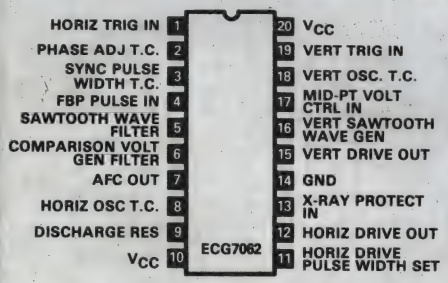
ECG7061 12-Pin SIP-HS See Fig. L92

Dual AF PO, 5.8W, Vcc = 12V, $R_L = 3\Omega$



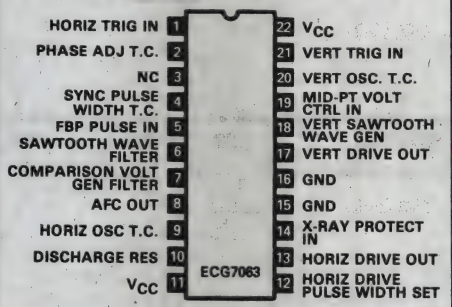
ECG7062 20-Pin DIP See Fig. L118A

Vertical Deflection Circuit/Sync/H-V Osc/ X-Ray Protect, Vcc = 12V Typ



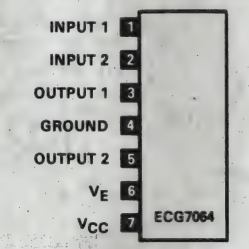
ECG7063 22-Pin DIP See Fig. L121A

Vertical Deflection Circuit/Sync/H-V Osc/ X-Ray Protect, Vcc = 12V Typ



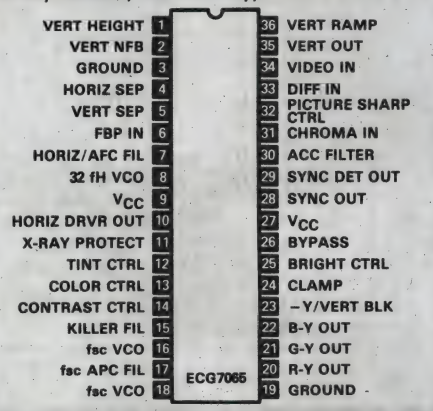
ECG7064 7-Pin SIP-HS See Fig. L76C

VCR Loading/Bi-directional Motor Driver, $I_O = 1A$, Vcc = 18V Typ



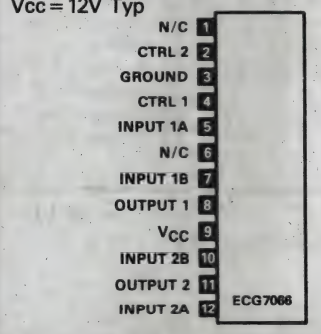
ECG7065 36-Pin DIP See Fig. L124D

Video/Chroma/Horiz-Vert Drvr/Osc/Sync/ X-Ray Protect, Vcc = 9V Typ



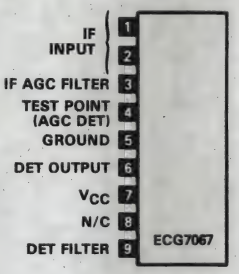
ECG7066 12-Pin SIP See Fig. L164

Dual Audio/Video Electronic Switch, Vcc = 12V Typ



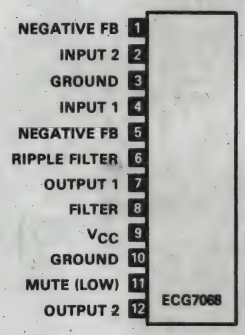
ECG7067 9-Pin SIP See Fig. L36

VIF/Amp/IF Det/AGC, Vcc = 9V Typ



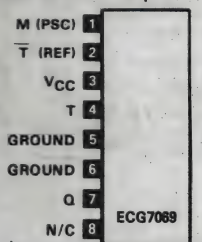
ECG7068 12-Pin SIP-HS See Fig. L92A

Dual AF PO with Mute, 13W, Vcc = 28V, $R_L = 8\Omega$



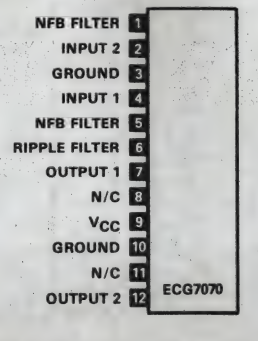
ECG7069 8-Pin SIP See Fig. L35

PLL Hi-Speed Divider w/ECL Output (1/128, 1/136), Vcc = 5V Typ



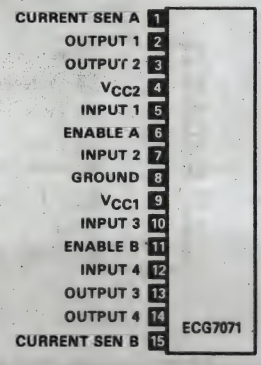
ECG7070 12-Pin SIP-HS See Fig. L92A

Dual AF PO, 6W, Vcc = 20V, $R_L = 8\Omega$



ECG7071 15-Pin SIP-HS See Fig. L93A

Bi-directional Motor Driver, $I_O = 2A$, Vcc1 = 5V, Vcc2 = 42V

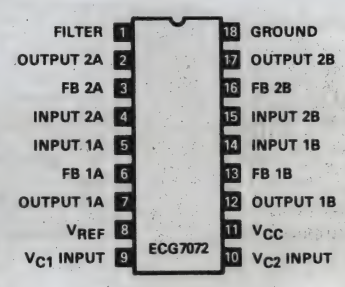


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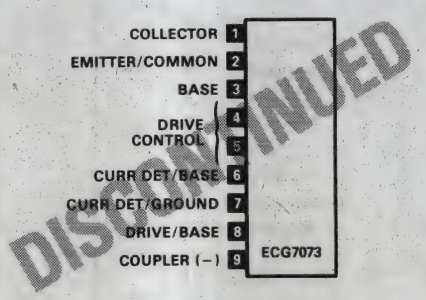
Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

ECG7072 18-Pin DIP See Fig. L115
Dual Tandem Electronic Attenuator, V_{CC} = 13.2 V Typ

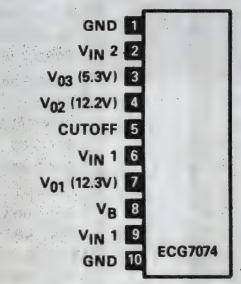


ECG7073 9-Pin SIP-HS See Fig. L171
Power Regulator

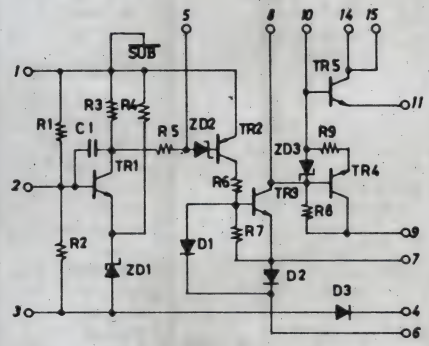


DISCONTINUED

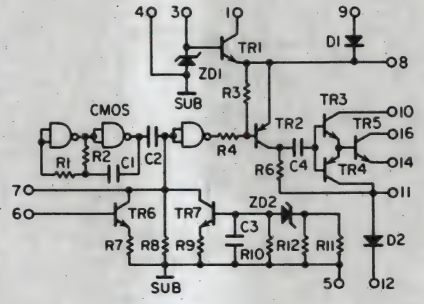
ECG7074 10-Pin SIP-M See Fig. L65A
VCR Positive DC VR: 12.3 V @ 1 A, 12.2 V @ 1 A, 5.3 V @ 1 A



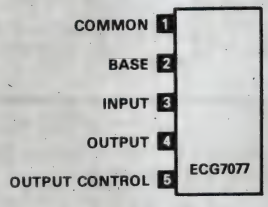
ECG7075 15-Pin SIP-M See Fig. L70A
Switching Regulator Power Module, 115 V



ECG7076 16-Pin SIP See Fig. L170
Switching Regulator Power Module, 85-264 VAC

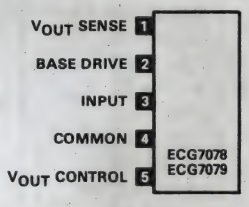


ECG7077 5-Lead Formed SIP See Fig. L19B
TV Voltage Regulator, 110 V @ 1 A

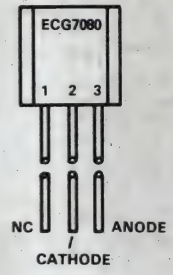


ECG7078 5-Lead Formed SIP See Fig. L19B
Hybrid Voltage Regulator, Output = 115 V

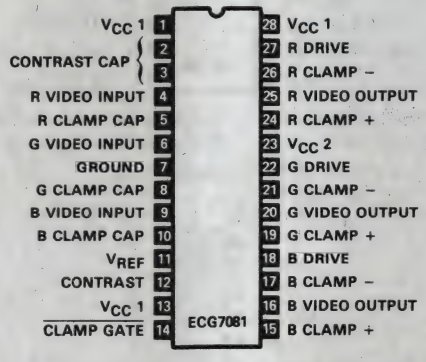
ECG7079
Output = 110 V



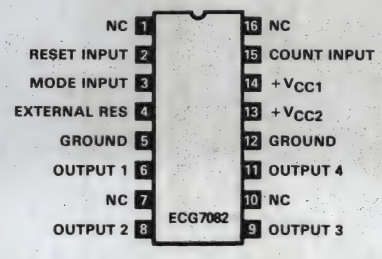
ECG7080 TO-92 See Fig. L16
Precision 1.235 V Voltage Reference



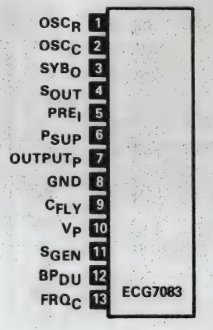
ECG7081 28-Pin DIP See Fig. L124
RGB Video Amp, V_{CC1} = 12 V, V_{CC2} = 12 V



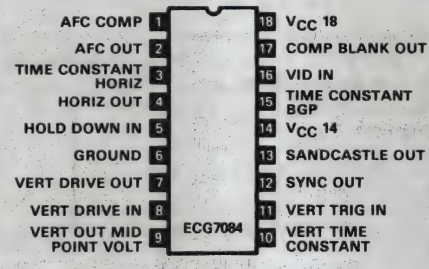
ECG7082 16-Pin DIP See Fig. L112
Stepping Motor Driver, V_{CC} = 12 V



ECG7083 13-Pin Lead Formed SIP See Fig. L57B
Vertical Deflection Circuit, VP = 23 V



ECG7084 18-Pin DIP See Fig. L115
Sync/Deflection Circuit, V_{CC14} = 12 V

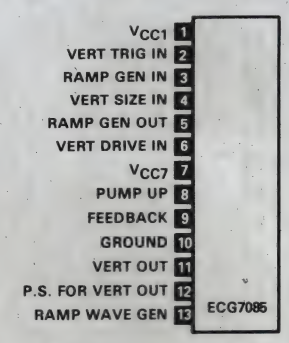


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

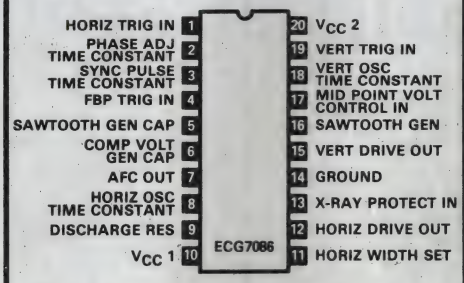
ECG7085 13-Pin SIP-HS See Fig. L92B

Vertical Deflection Circuit, $V_{CC1} = 12$ V, $V_{CC7} = 24$ V



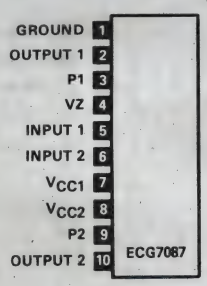
ECG7086 20-Pin DIP See Fig. L118A

Sync/Deflection Circuit, $V_{CC1} = 12$ V, $V_{CC2} = 12$ V



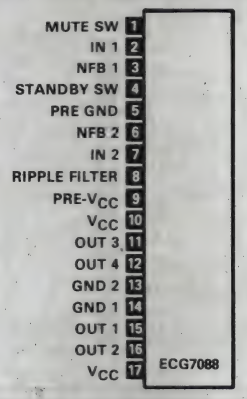
ECG7087 10-Pin SIP See Fig. L42

Bi-directional Motor Driver, $V_{CC1} = 12$ V, $V_{CC2} = 12$ V, $I_O = 1.6$ A



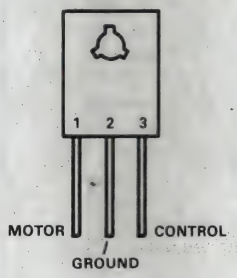
ECG7088 17-Pin SIP See Fig. L166

Dual AF PO, 15 W, $V_{CC} = 13.2$ V, $R_L = 4\ \Omega$



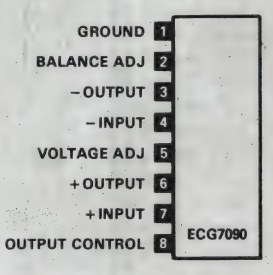
ECG7089 TO-126 See Fig. L163A

Motor Control, Control Voltage = 4.5 V to 16 V



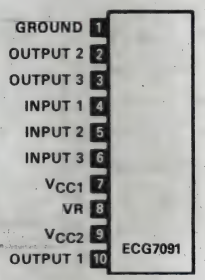
ECG7090 8-Pin SIP See Fig. L35

Dual Tracking Voltage Regulator, $V_{out} = \pm 3$ V to ± 30 V



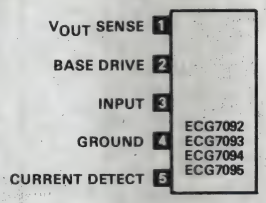
ECG7091 10-Pin SIP See Fig. L42

Dual Bi-directional Motor Driver, $I_O = 1.6$ A, $V_{CC1} = 12$ V, $V_{CC2} = 16$ V



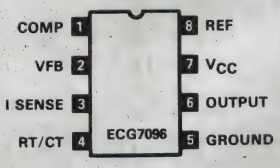
ECG7092
ECG7093
ECG7094
ECG7095 5-Lead Formed SIP See Fig. L19B

Hybrid Voltage Regulators



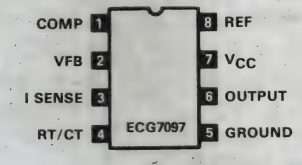
ECG7096 8-Pin DIP See Fig. L98

Current Mode PWM Controller, UNLO = 16 V (ON), 10 V (OFF), Duty Cycle 100%, $V_{CC} = 15$ V



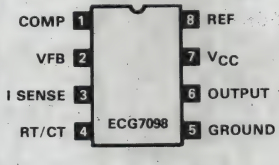
ECG7097 8-Pin DIP See Fig. L98

Current Mode PWM Controller, UNLO = 8.5 V (ON), 7.5 V (OFF), Duty Cycle 100%, $V_{CC} = 15$ V



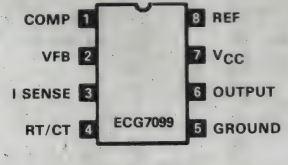
ECG7098 8-Pin DIP See Fig. L98

Current Mode PWM Controller, UNLO = 16 V (ON), 10 V (OFF), Duty Cycle 50%, $V_{CC} = 15$ V



ECG7099 8-Pin DIP See Fig. L98

Current Mode PWM Controller, UNLO = 8.5 V (ON), 7.5 V (OFF), Duty Cycle 50%, $V_{CC} = 15$ V



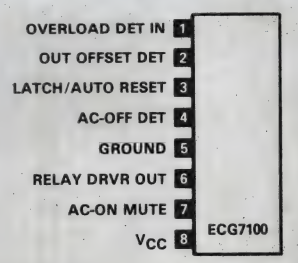
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Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

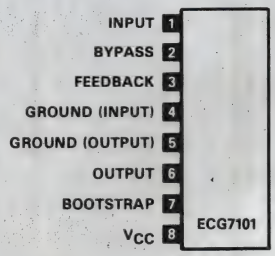
ECG7100 8-Pin SIP See Fig. L35A

Protector IC for AF PO/Speakers, V_{CC} = 45 V



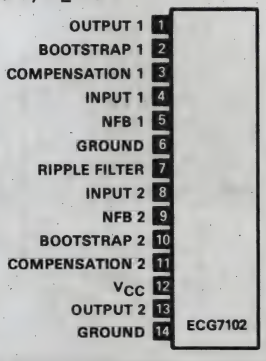
ECG7101 8-Pin SIP-HS See Fig. L78A

AF PO 7 W, V_{CC} = 14 V, R_L = 4 Ω



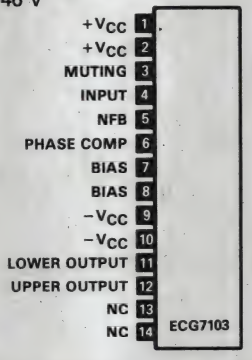
ECG7102 14-Pin SIP-HS See Fig. L174

Dual AF PO 5.5 W, Bridge (BTL) 20 W, V_{CC} = 18 V, R_L = 8 Ω



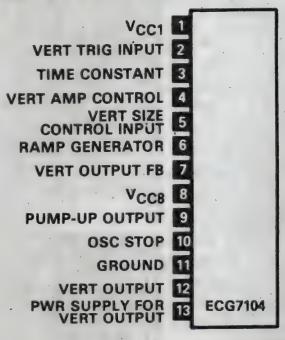
ECG7103 14-Pin SIP-HS See Fig. L174

High Power Amp Driver (50 to 80 W), V_{CC} = ±46 V



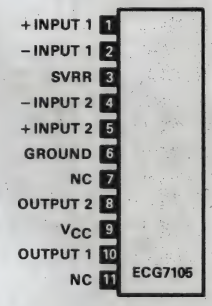
ECG7104 13-Pin SIP-HS See Fig. L92B

TV Vertical Deflection Output, V_{CC1} = 12 V, V_{CC8} = 24 V



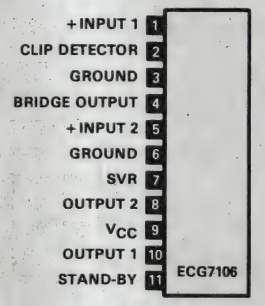
ECG7105 11-Pin SIP-HS See Fig. L93

Dual AF PO 10 W, Bridge (BTL) 18 W, V_{CC} = 24 V, R_L = 4 Ω



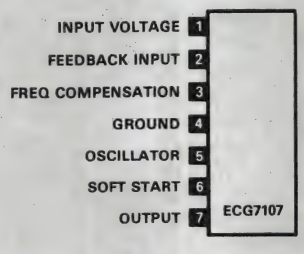
ECG7106 11-Pin SIP-HS See Fig. L93

Dual AF PO, 6.5 W, Bridge (BTL) 16 W, V_{CC} = 14 V, R_L = 4 Ω



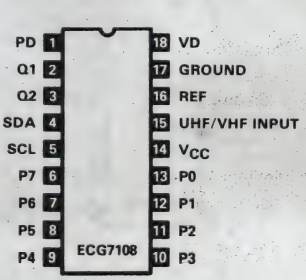
ECG7107 7-Lead Formed SIP See Fig. L19A

Power Switching Regulator, 5.1 V to 40 V @ 2.5 A



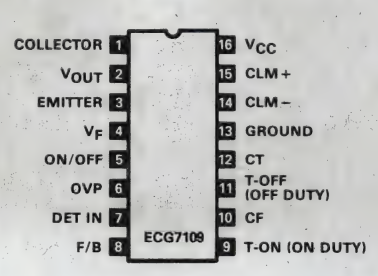
ECG7108 18-Pin DIP See Fig. L115

Digital Programmable PLL (MOS), V_{CC} = 5 V Typ



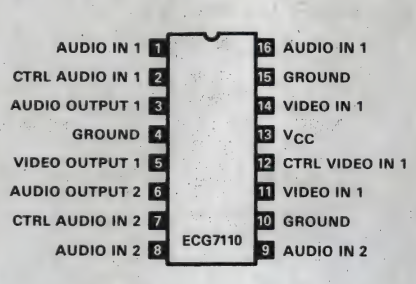
ECG7109 16-Pin DIP See Fig. L111

Switching Regulator Control, V_{CC} = 18 V Typ



ECG7110 16-Pin DIP See Fig. L111

Audio/Video Analog Switch, V_{CC} = 9 V Typ

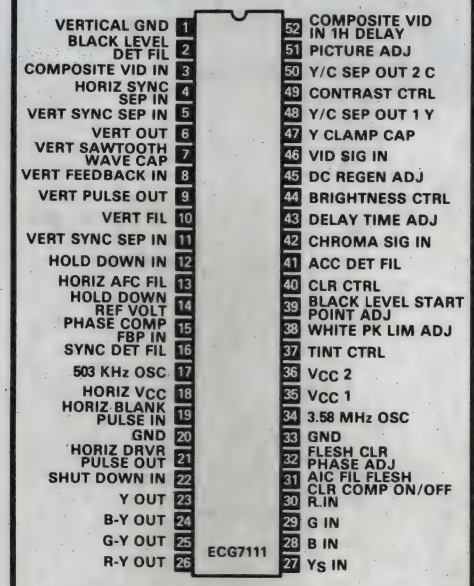


Package Outlines - See Page 1-269

Linear IC and Module Circuits (cont'd)

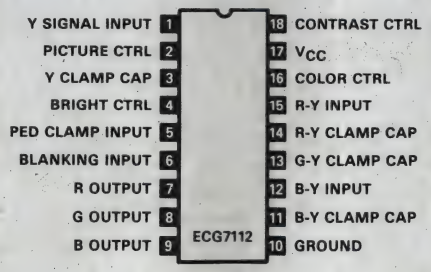
ECG7111 52-Pin DIP See Fig. L126C

Single Chip TV Signal Processor, $V_{cc}1 = 12$ V, $V_{cc}2 = 9$ V



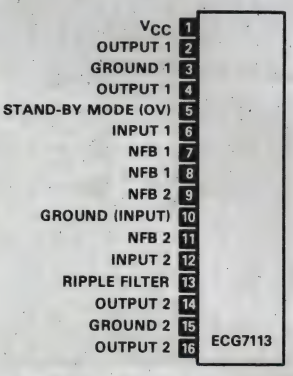
ECG7112 18-Pin DIP See Fig. L115

Video/Chroma Signal Processor, $V_{cc} = 12$ V Typ



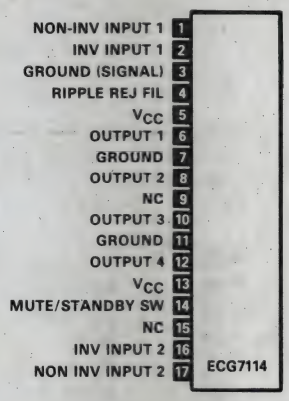
ECG7113 16-Pin SIP-HS See Fig. L175

Dual BTL AF PO, 14 W, $V_{cc} = 13.2$ V, $R_L = 4\ \Omega$



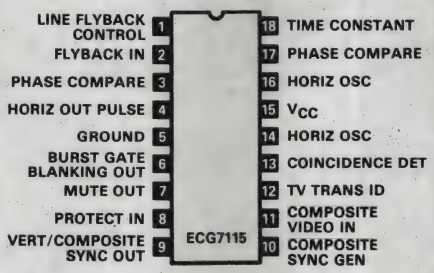
ECG7114 17-Pin SIP See Fig. L173

Quad AF PO 11 W/Ch, 2 x 22 W (BTL), $V_{cc} = 14$ V, $R_L = 2\ \Omega$



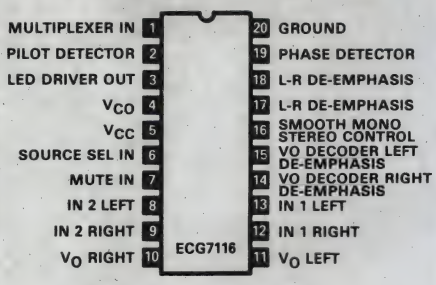
ECG7115 18-Pin DIP See Fig. L115

Horizontal/Vertical Signal Processor, $V_{cc} = 12$ V Typ



ECG7116 20-Pin DIP See Fig. L118A

PLL Stereo Decoder, $V_{cc} = 8.5$ V Typ



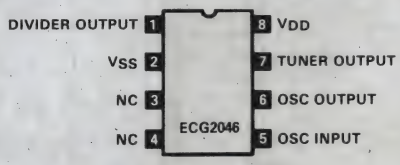
Package Outlines - See Page 1-269

N

Miscellaneous Integrated Circuits

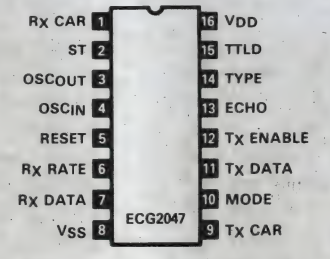
ECG2046 8-Pin DIP See Fig. L97

60 Hz Time Base Generator, Input Freq = 3.58 MHz (CMOS), V_{DD} = 15 V Max



ECG2047 16-Pin DIP See Fig. L112

FSK Modem, 0-600 Baud (CMOS), V_{DD} = 15 V Max

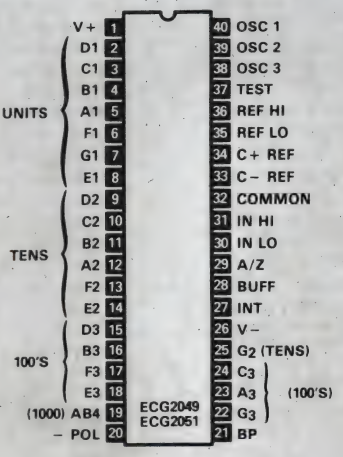


ECG2049 40-Pin DIP See Fig. L125

LCD 3½ Digit A/D Converter, Low Power (CMOS), V± = 15 V Max

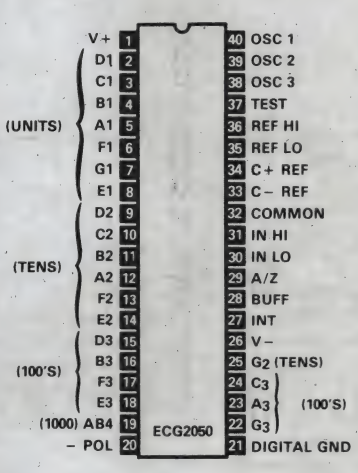
ECG2051

LCD 3½ Digit A/D Converter (CMOS)



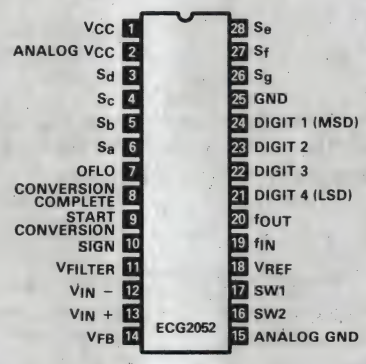
ECG2050 40-Pin DIP See Fig. L125

LED 3½ Digit A/D Converter (CMOS), V = ±5 V Typ



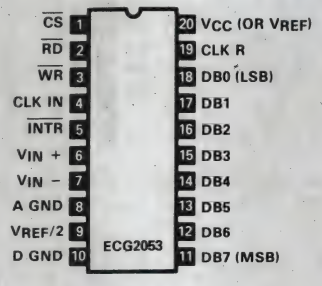
ECG2052 28-Pin DIP See Fig. L124A

3½ Digit A/D Converter with Multiplexed 7-Segment Output (CMOS), V_{CC} = 5 V Typ



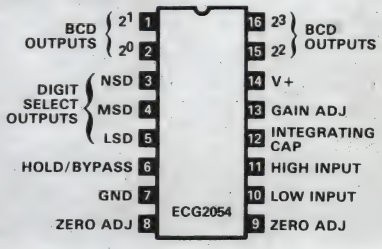
ECG2053 20-Pin DIP See Fig. L118A

8-Bit MPU Compatible A/D Converter (CMOS), V_{CC} = 5 V Typ



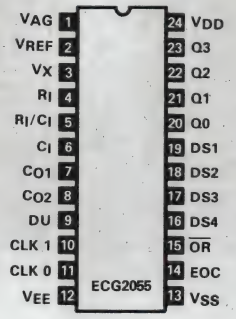
ECG2054 16-Pin DIP See Fig. L112

3 Digit A/D Converter, V+ = 5 V Typ



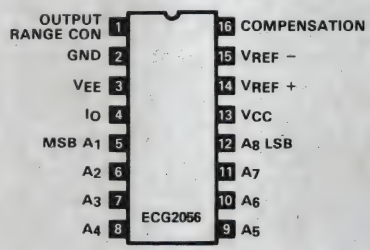
ECG2055 24-Pin DIP See Fig. L122

3½ Digit A/D Converter (CMOS), V_{DD}, V_{EE} = ±5 V Typ, V_{SS} = GND



ECG2056 16-Pin DIP See Fig. L112

D/A Converter, V_{CC} = +5 V Typ, V_{EE} = –15 V Typ

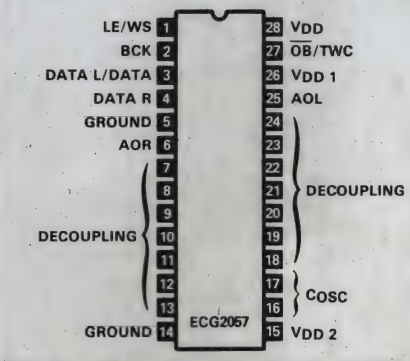


Package Outlines - See Page 1-269

Miscellaneous Integrated Circuits (cont'd)

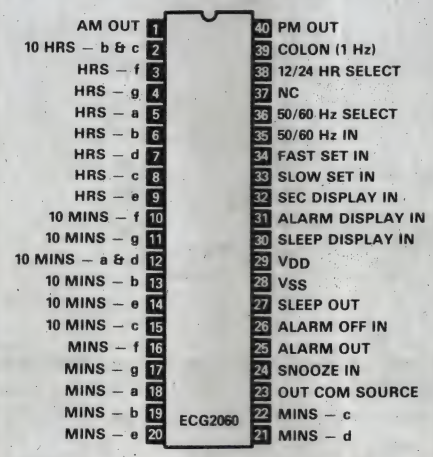
ECG2057 28-Pin DIP See Fig. L124A

Dual 16-Bit D/A Converter, $V_{DD} = +5$ V, $V_{DD1} = -5$ V, $V_{DD2} = -15$ V



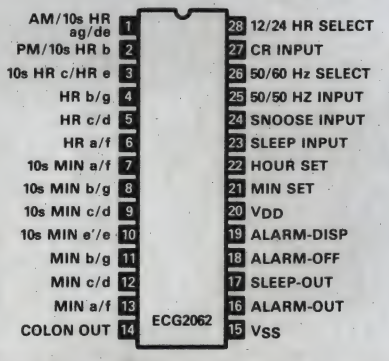
ECG2060 40-Pin DIP See Fig. L125

Digital Alarm Clock Ckt for LED Display (PMOS), $V_{SS} = 26$ V Max



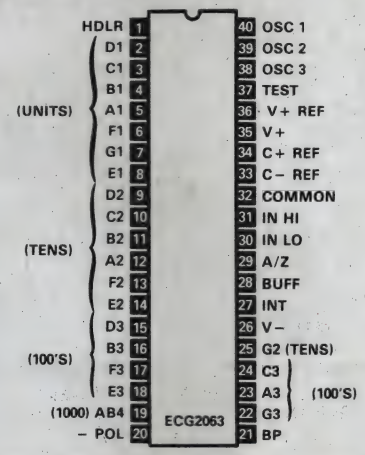
ECG2062 28-Pin DIP See Fig. L123A

IC-4 Mode Digital Alarm Clock for LED Display (PMOS), $V_{DD} = -12$ V Typ



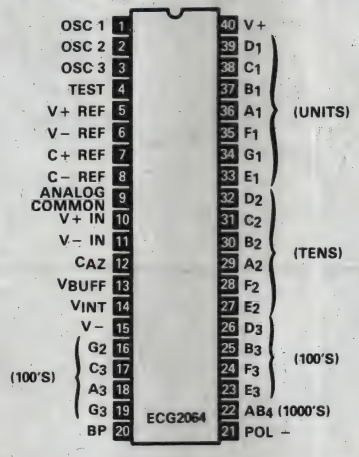
ECG2063 40 Pin DIP See Fig. L125

LCD 3½ Digit A/D Converter with Display Hold (CMOS), $V\pm = 9$ V



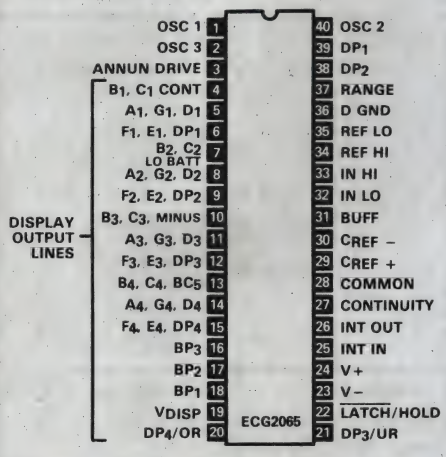
ECG2064 40-Pin DIP See Fig. L125

LCD 3½ Digit A/D Converter, Lo Power (CMOS), $V\pm = 9$ V



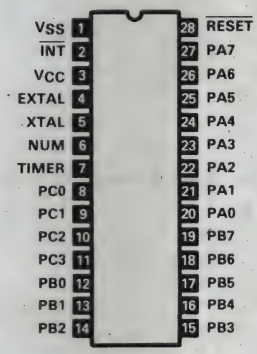
ECG2065 40-Pin DIP See Fig. L125

LCD 4½ Digit A/D Converter, Lo Power (CMOS), $V\pm = 9$ V



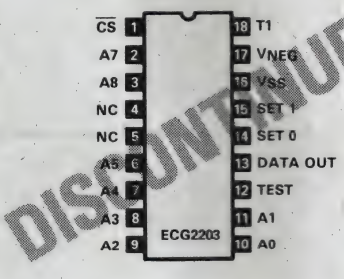
ECG2200, ECG2201*, ECG2202, ECG2205, ECG2206 28-Pin DIP See Fig. L124

TV Tuner Microprocessor, $V_{CC} = 5.25$ V, $V_{SS} = 0$ V Typ (HMOS)



ECG2203 18-Pin DIP See Fig. L115

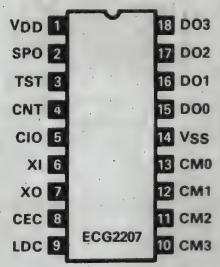
PMOS-EAROM for TV Tuners, $V_{SS} = +5$ V, $V_{neg} = 30$ V Typ



DISCONTINUED

ECG2207 18-Pin DIP See Fig. L115

Digital Clock for 4-Bit Microcomputers (CMOS), $V_{DD} = 5$ V Typ



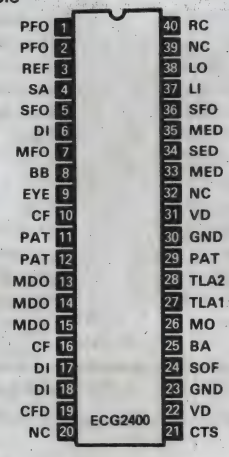
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Miscellaneous Integrated Circuits (cont'd)

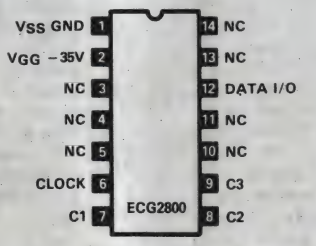
ECG2400 40-Pin DIP See Fig. L125

Modem, 100/300/600/1200 Baud FSK, Single +5 V Supply, Bell 103, 113A and 202 Compatible



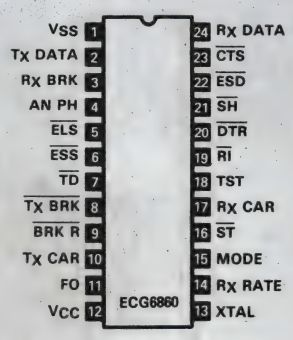
ECG2800 14-Pin DIP See Fig. L104

1400-Bit Serial EAROM for Channel Memory Storage in Digital Tuners (PMOS), $V_{GG} = -35$ V Typ



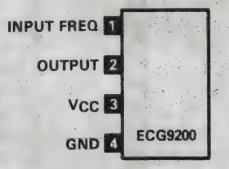
ECG6860 24-Pin DIP See Fig. L122

FSK Digital Modem, 600 bps (MOS), $V_{CC} = 5$ V Typ



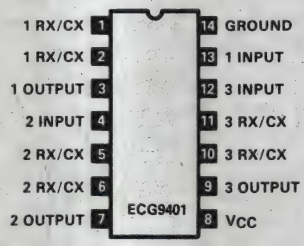
ECG9200 4-Pin SIP See Fig. L18A

I^2L Freq Divider for VCR and Electronic Organs, $V_{CC} = 16$ V Max



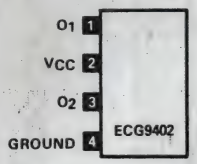
ECG9401 40-Pin DIP See Fig. L125

Monostable Multivibrator for VCR, $V_{CC} = 15$ V Max



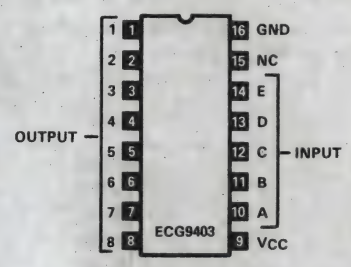
ECG9402 4-Pin SIP See Fig. L18A

Hall Switch, $V_{max} = 18$ V, $I_{max} = 8$ mA



ECG9403 16-Pin DIP See Fig. L111

Binary to Octal Decoder for VCR, $V_{CC} = 8$ V Max



Package Outlines - See Page 1-269

IC and Module Outlines

Fig. L1A — 6-Pin Plastic

ECG
703

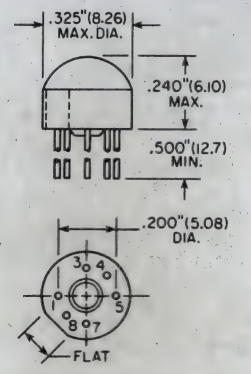


Fig. L1B — 3-Pin Can

ECG
1768
1769
1770

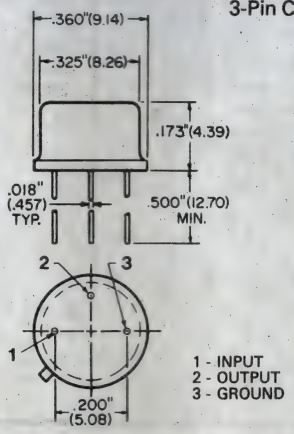
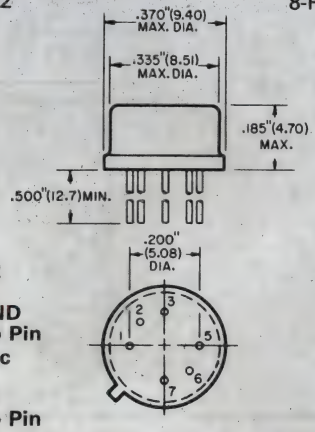


Fig. L2 — 8-Pin Can

ECG
920



1. Q2
2. R
3. GND
4. No Pin
5. Vcc
6. T
7. Q1
8. No Pin

Fig. L3 — 8-Pin Can

ECG
716 **937**
724 **938**
871 **940**
877 **941**
902 **943**
909 **944**
910 **945**
918 **949**
922 **994**
924 **1002**
925 **1171**
928 **1928**
930

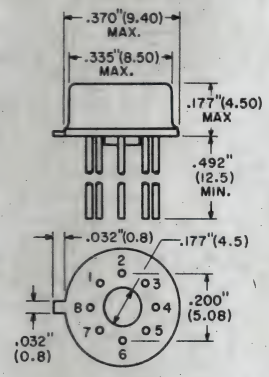


Fig. L4 — 9-Pin Can

ECG
705A

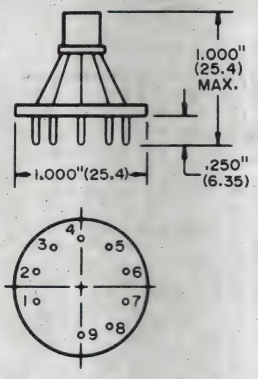


Fig. L5 — 10-Pin Can

ECG
704
711
780

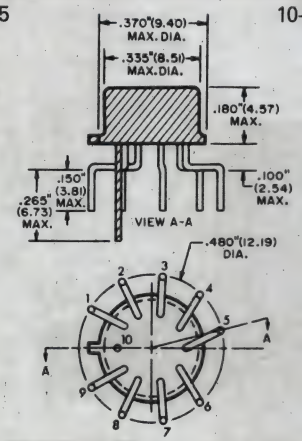


Fig. L6 — 10-Pin Can

ECG
923
927

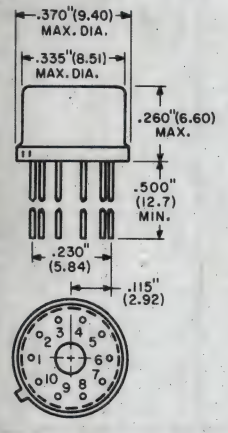


Fig. L7 — 10-Pin Can

ECG
370A
707
726
905
911
915
919
947
1188

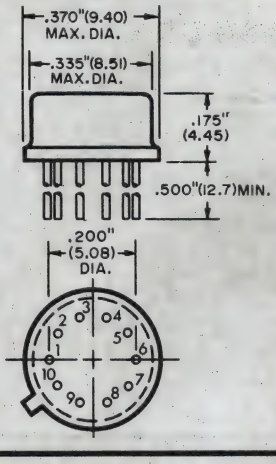


Fig. L8 — 10-Pin Can

ECG
1053
1137
1224

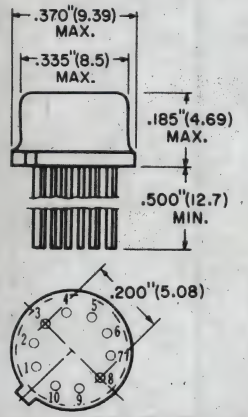
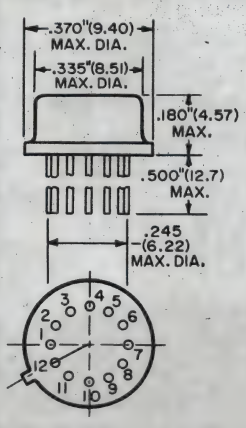


Fig. L9 — TO-5, 12-Pin Can

ECG
784
903
904
906
907



N

IC and Module Outlines (cont'd)

Fig. L11 — TO-3

ECG	
309K	1923
931	1924
932	1925
933	
934	
935	
970	
1911	
1912	
1913	
1914	
1915	
1916	
1918	
1919	
1920	

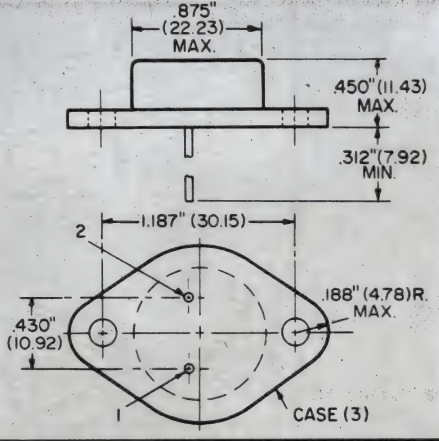
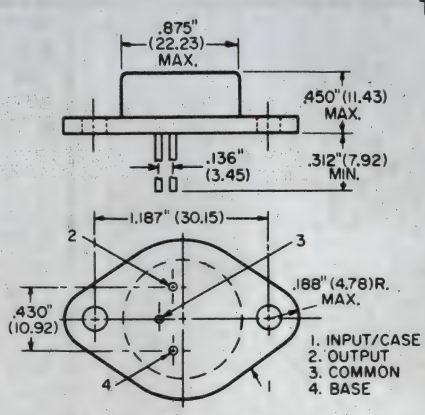


Fig. L11A — TO-3, 3-Pin

ECG
1546
1644*
1645*



* 1. Output/Case 2. Common 3. Input 4. Base

Fig. L11B — TO-3, 4-Pin

ECG
1927

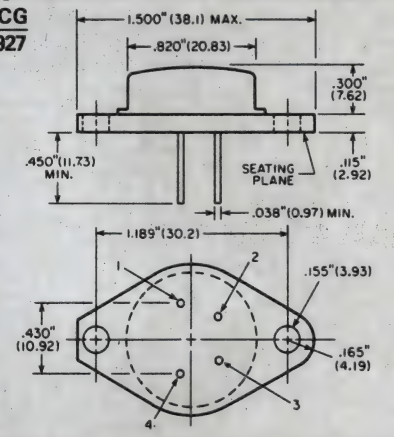


Fig. L12 — TO-66, 9-Pin

ECG
946

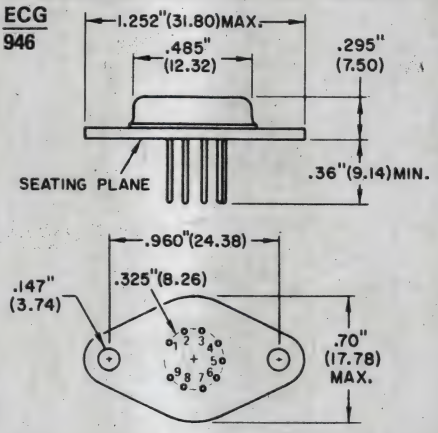


Fig. L14 — TO-3, 10-Pin

ECG
1098

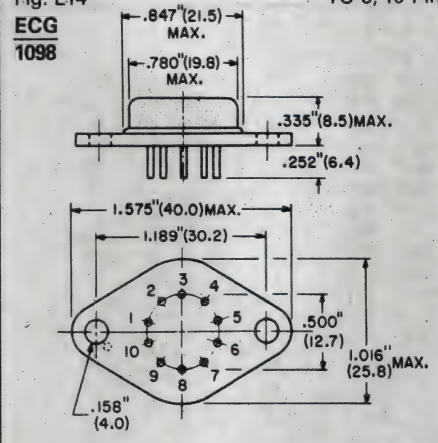


Fig. L15 — TO-3, 14-Pin

ECG
1059

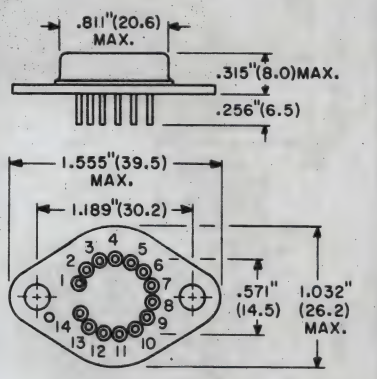


Fig. L16 — TO-92

ECG
950
951
952
977
981
988
999
1900
1901
1902
1903
1905
1906
1907
1908
1909
1917
7080

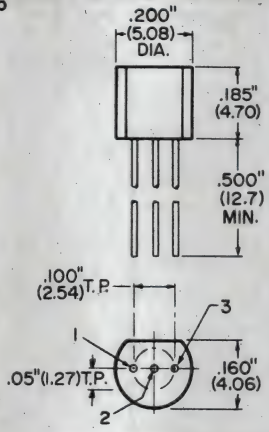


Fig. L16A — TO-92

ECG
998

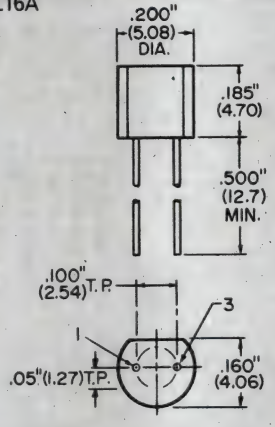


Fig. L17 — TO-220

ECG
956
957
958
959
960
961
962
963
964
965
966
967
968
969
971
972
1910
1932

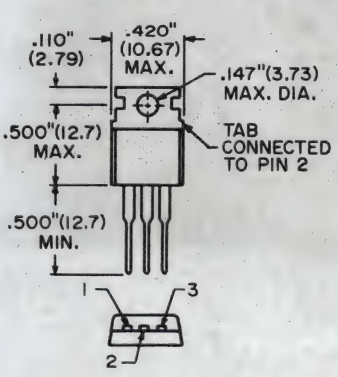


Fig. L17A — TO-3PJ

ECG
1934
1934X
1936
1938
1940

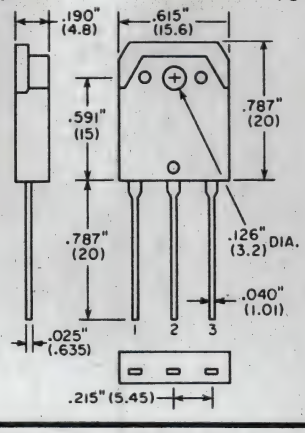
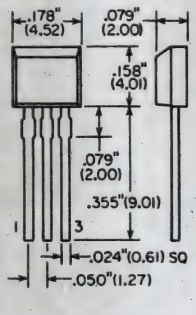


Fig. L17B — 3-Pin SIP

ECG
1705



IC and Module Outlines (cont'd)

Fig. L17C — TO-92L

ECG
1869

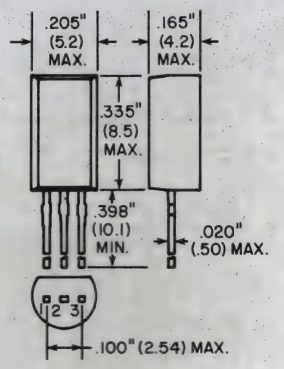


Fig. L18 — TO-202, 4-Pin

ECG
953

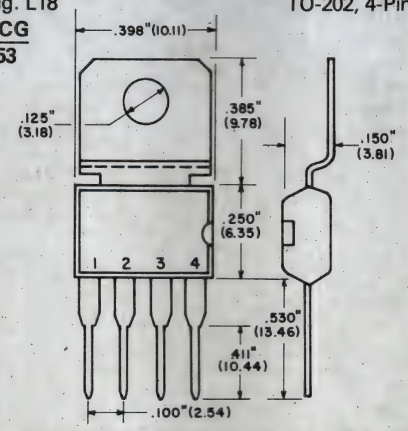


Fig. L18A — 4-Pin SIP

ECG
9200
9402

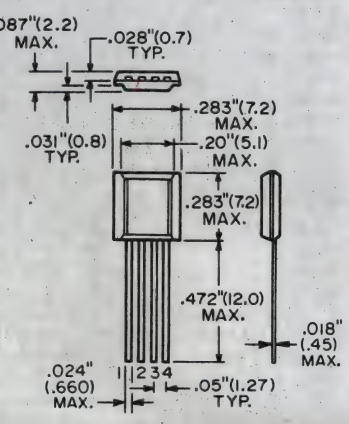


Fig. L18B — 4-Pin SIP

ECG
1740
1741
1742
1743

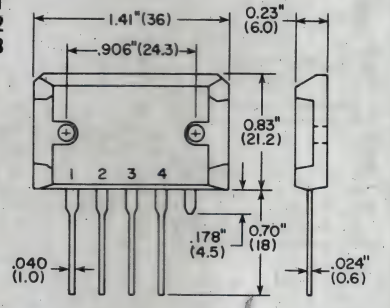


Fig. L18C — 4-Pin SIP

ECG
1844

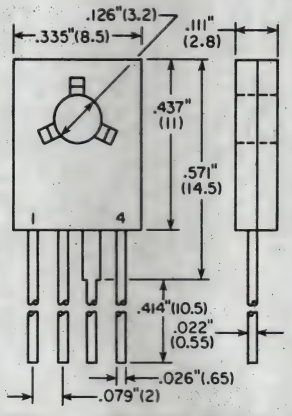


Fig. L19 — TO-220, 5-Pin

ECG
1232
1288
1374
1376
1378
1380
1429•
1942
• Dotted lines for Alt. Package

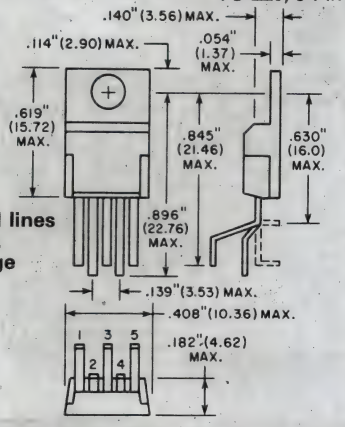


Fig. L19A — 7-Lead Formed SIP

ECG
1788
7017
7107

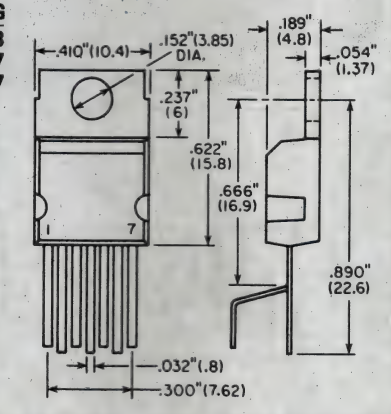


Fig. L19B — 5-Lead Formed SIP

ECG
1776
1777
1778
1796
1839
1840
1841
1894
1895
1896
1897
7077
7078
7079
7092
7093
7094
7095

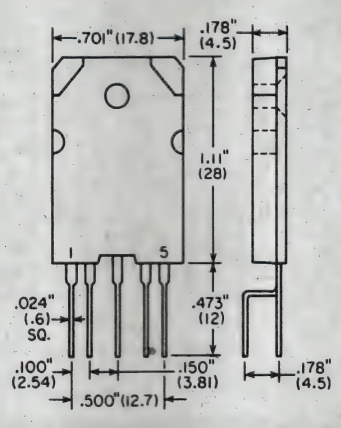


Fig. L20 — 5-Pin SIP

ECG
1012

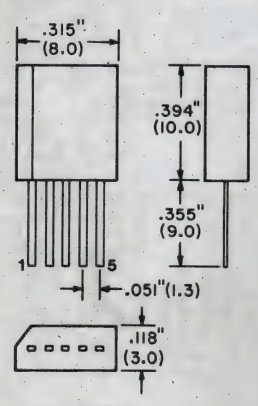


Fig. L20B — 5-Pin SIP

ECG
1867
1868
1886

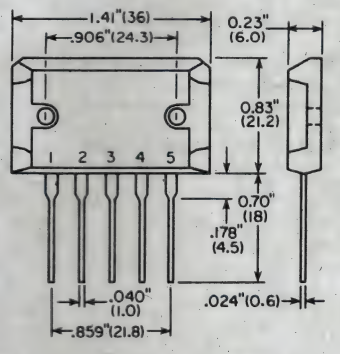


Fig. L21 — 5-Pin ZIL

ECG
1017

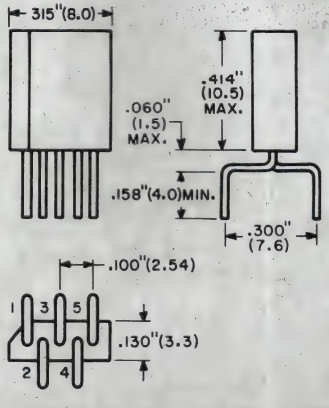
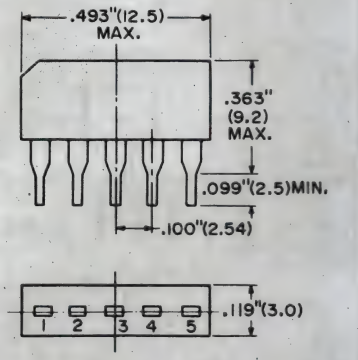


Fig. L23 — 5-Pin SIP

ECG
1102
1104



IC and Module Outlines (cont'd)

Fig. L24 — 7-Pin SIP

ECG
941S
1085
1087
1100
1101
1103
1128
1234
1235
1464
1468
1474
1873

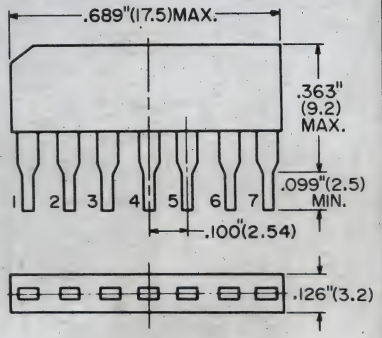


Fig. L25 — 7-Pin SIP

ECG
1052
1082
1092
1195
1497
1680

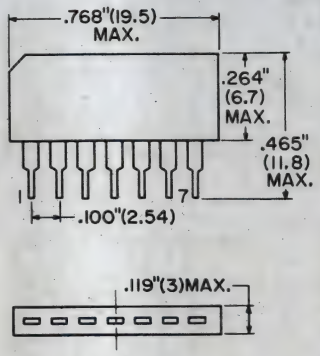


Fig. L26 — 7-Pin SIP

ECG
1135
1241
1431
1433

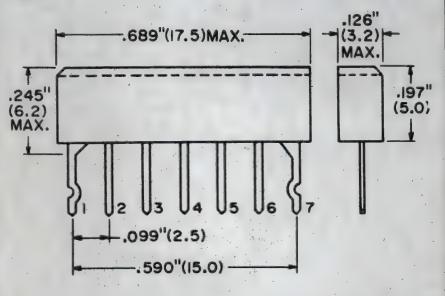


Fig. L27 — 7-Pin SIP

ECG
1223
1249
1427
1452
1783

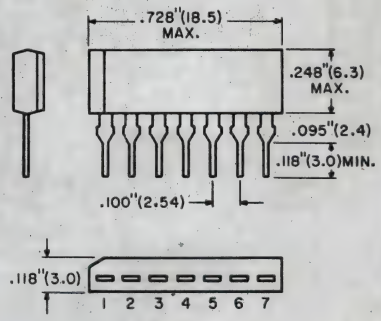


Fig. L28 — 7-Pin SIP

ECG
1302
1309

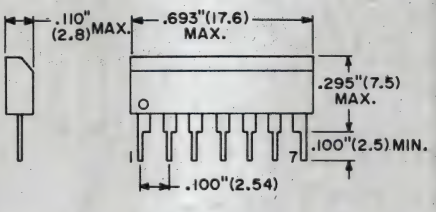


Fig. L29 — 7-Pin SIP

ECG
1301
1569
1751

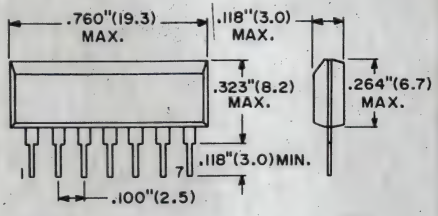


Fig. L30 — 7-Pin SIP

ECG
1119
1120

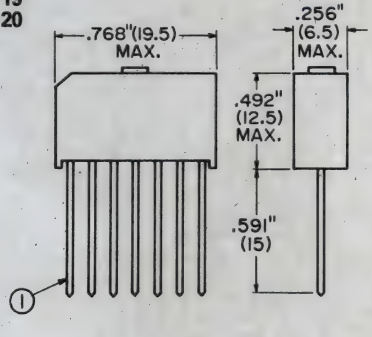


Fig. L30A — 7-Pin SIP

ECG
1748

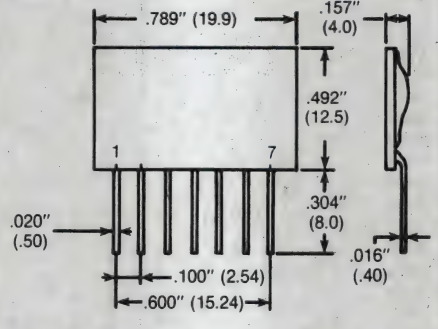


Fig. L30B — 7-Pin SIP

ECG
1824

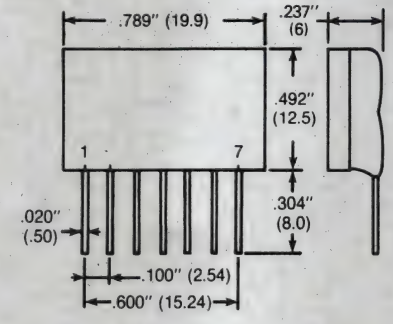


Fig. L31 — 7-Pin SIP

ECG
1541

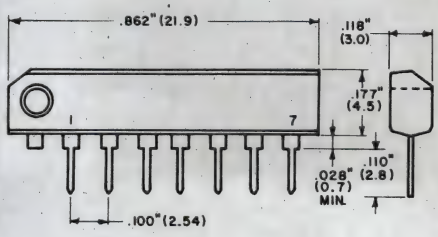


Fig. L31A — 7-Pin SIP

ECG
1609

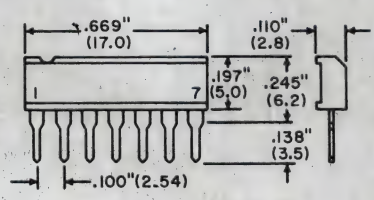
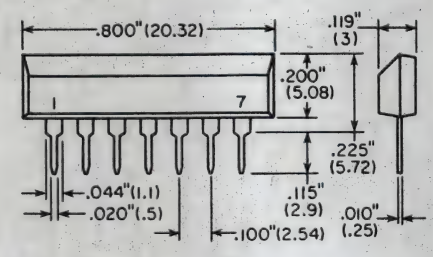


Fig. L31B — 7-Pin SIP

ECG
1787



IC and Module Outlines (cont'd)

Fig. L32 — 8-Pin SIP

ECG
1449
1457
1459
1781

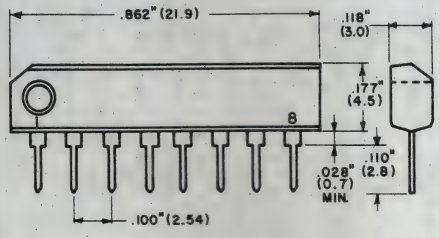


Fig. L33 — 8-Pin SIP

ECG
1170

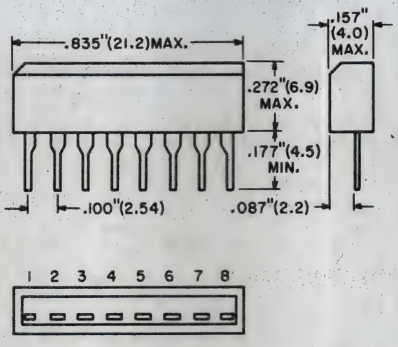


Fig. L34 — 8-Pin SIP

ECG
1040
1660
1666

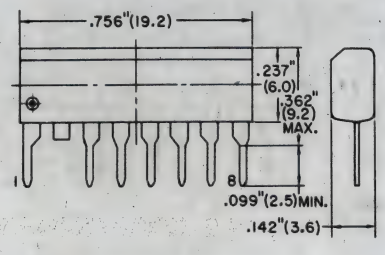


Fig. L35 — 8-Pin SIP

ECG
778S 1668
955S 1745
1300 1794
1467 1795
1510 7069
1659 7090

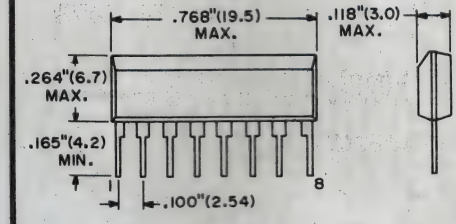


Fig. L35A — 8-Pin SIP

ECG
1635
7100

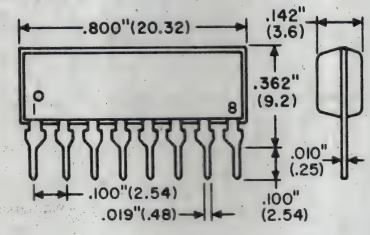


Fig. L35B — 8-Pin SIP

ECG
1714S
7013

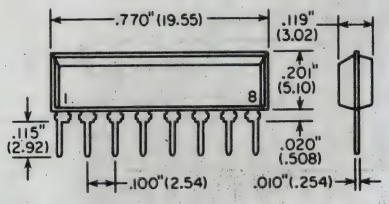


Fig. L36 — 9-Pin SIP

ECG
1465
1658
1708
7067

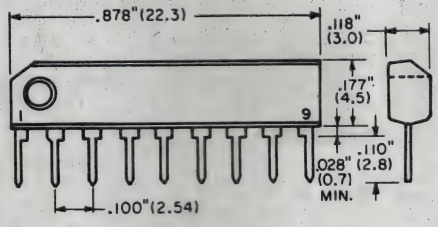


Fig. L37 — 9-Pin ZIL

ECG
1013
1015
1016
1019
1021
1026

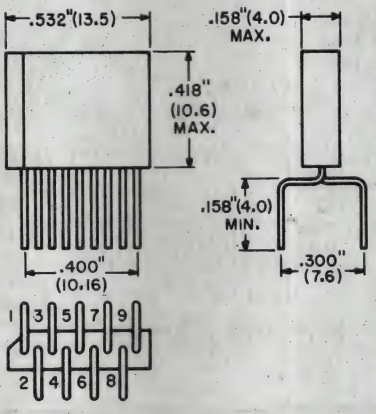


Fig. L38 — 9-Pin ZIL

ECG
1014

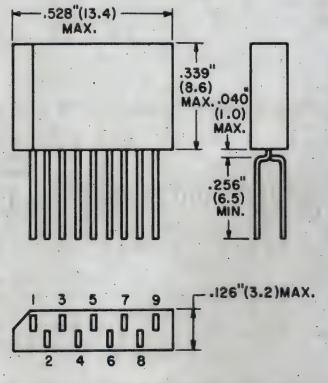


Fig. L39 — 9-Pin SIP

ECG
928S 1466 1523 1718 7043
1192 1498 1525 1730
1197 1499 1529 1826
1208 1521 1657 1843

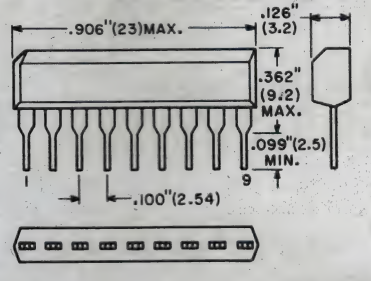


Fig. L39A — 9-Pin SIP

ECG
1792

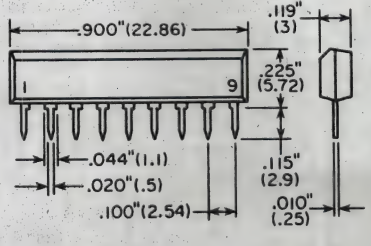
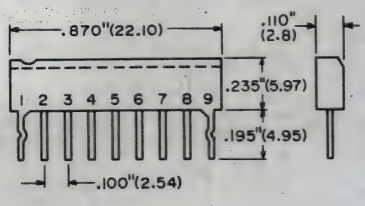


Fig. L40 — 9-Pin SIP

ECG
1210 1627
1561 1866
1612 7042



N

IC and Module Outlines (cont'd)

Fig. L41 — 9-Pin SIP

ECG
1421 1503 1620 1688 1828
1435 1607 1625 1704 1829
1448 1610 1629 1709 7044
1502 1615 1682 1711

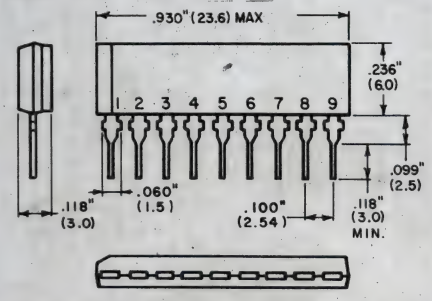


Fig. L41A — 9-Pin SIP

ECG
1791

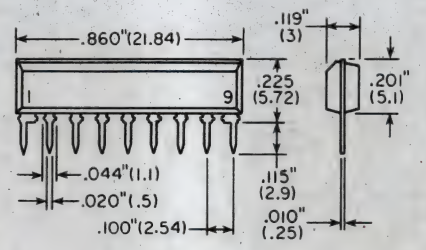


Fig. L42 — 10-Pin SIP

ECG
1517 7087 7091

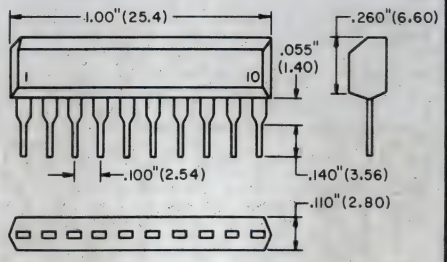


Fig. L43 — 10-Pin SIP

ECG
1201 1204
1202 1247
1203 1262

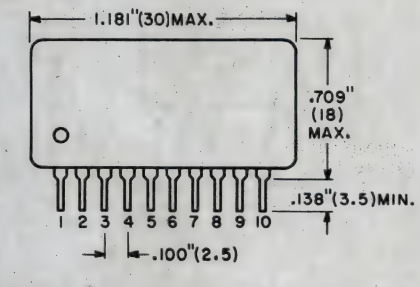


Fig. L43A — 12-Pin SIP

ECG
1780
7045

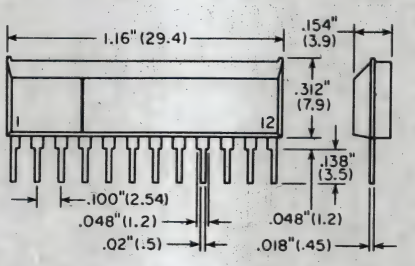


Fig. L44 — 13-Pin ZIL

ECG
1018
1152

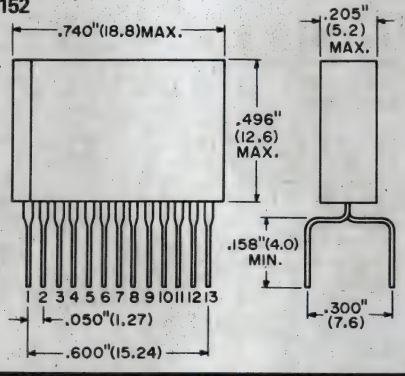


Fig. L45 — 15-Lead Formed SIP

ECG
1493
1495

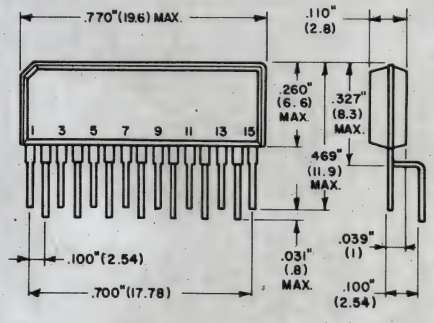


Fig. L46 — 16-Pin ZIL

ECG
1461
1533
1604

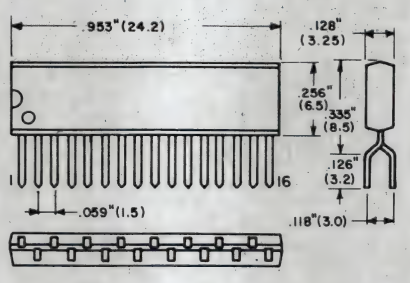


Fig. L47 — 16-Pin ZIL

ECG
1438

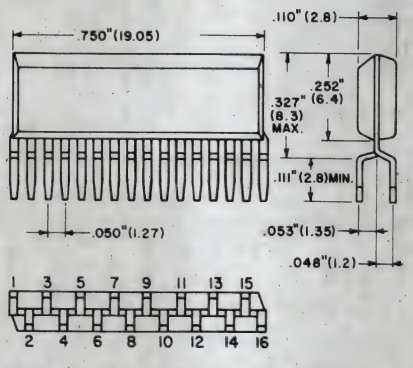


Fig. L47A — 16-Pin ZIL

ECG
1631
1717

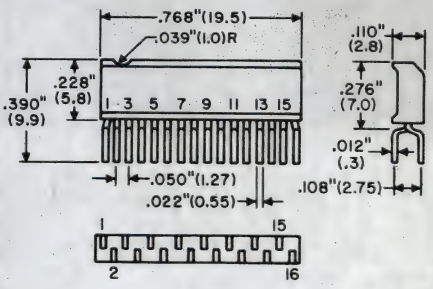


Fig. L47B — 23-Pin ZIL-HS

ECG
1893

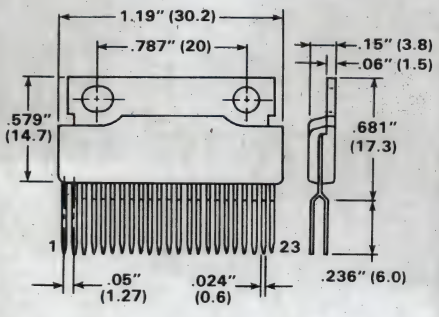
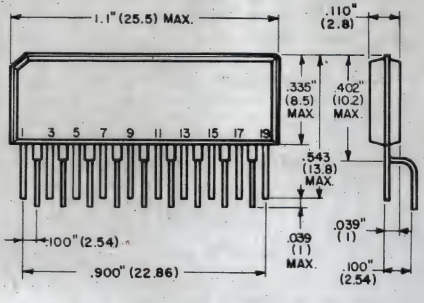


Fig. L48 — 19-Lead Formed SIP

ECG
1518



IC and Module Outlines (cont'd)

Fig. L49 — 7-Pin SIP

ECG
1676

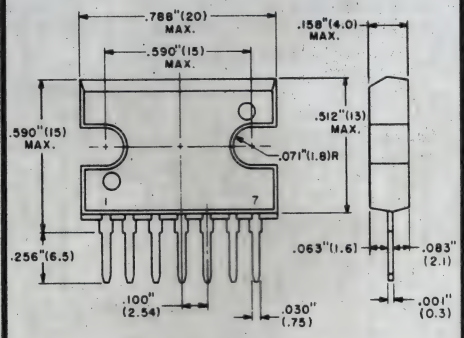


Fig. L50 — 7-Pin SIP

ECG
1286

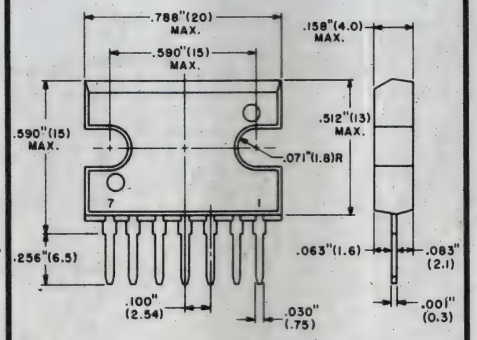


Fig. L51 — 9-Pin SIP

ECG
1058

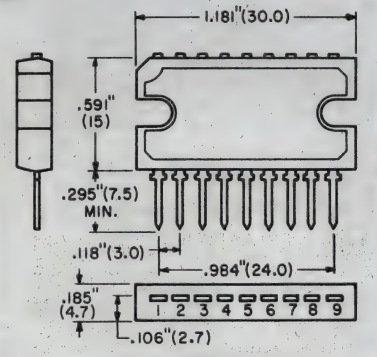


Fig. L51A — 9-Pin SIP

ECG
1754
1850

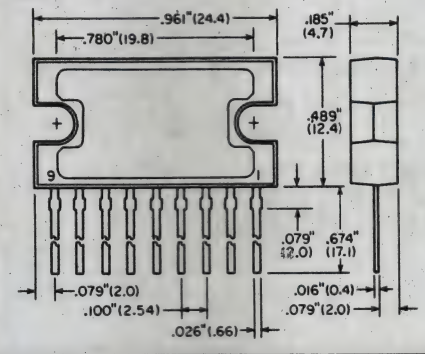


Fig. L52 — 10-Pin SIP

ECG
1390
1797
1798

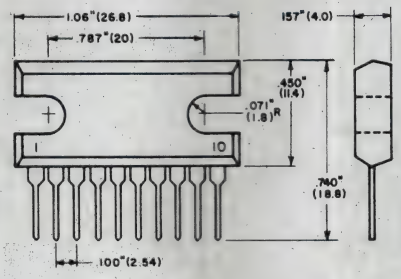


Fig. L52A — 10-Pin SIP

ECG
1724

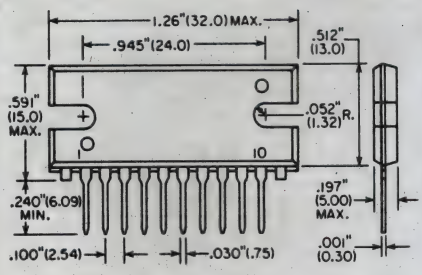


Fig. L53 — 10-Pin SIP

ECG
1391

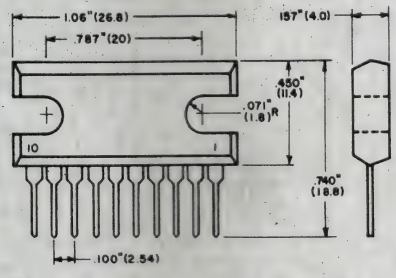


Fig. L53A — 10-Pin SIP

ECG
1319

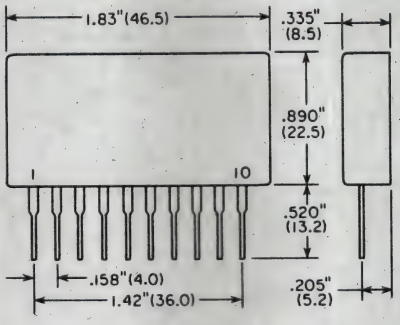


Fig. L53B — 10-Pin SIP

ECG
1318

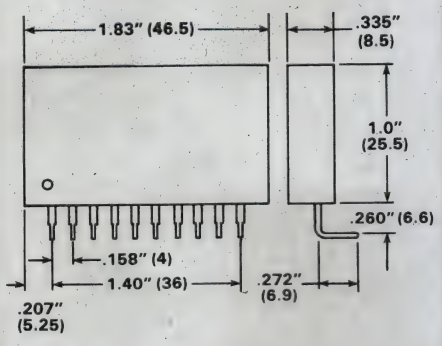


Fig. L54 — 11-Pin SIP

ECG
1240
1369
1485

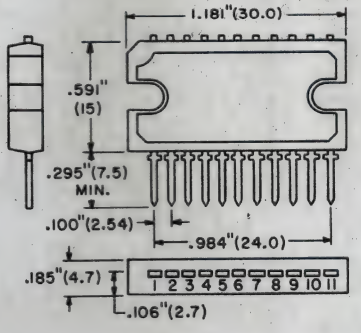


Fig. L55 — 12-Pin SIP

ECG
1371 **7011**
1373

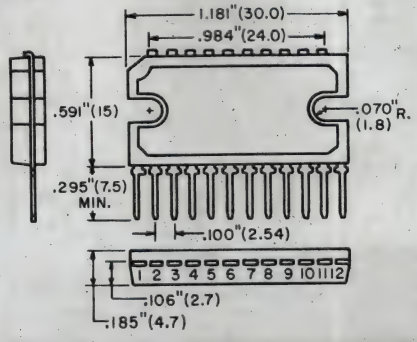
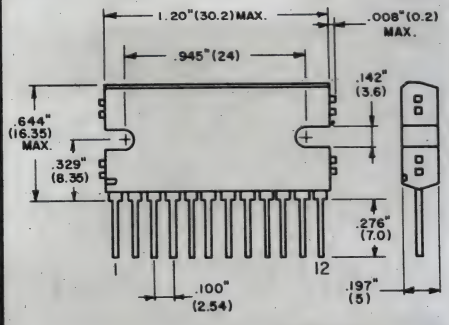


Fig. L56 — 12-Pin SIP

ECG
1394



N

IC and Module Outlines (cont'd)

Fig. L57 — 12-Pin SIP

ECG
1368 1626
1389 1638

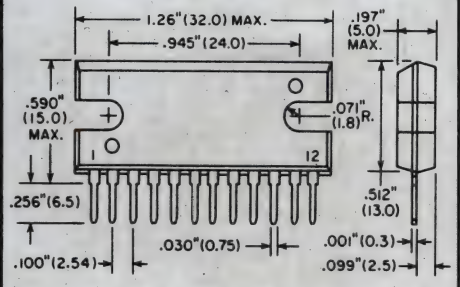


Fig. L57A — 12-Pin SIP

ECG
1707

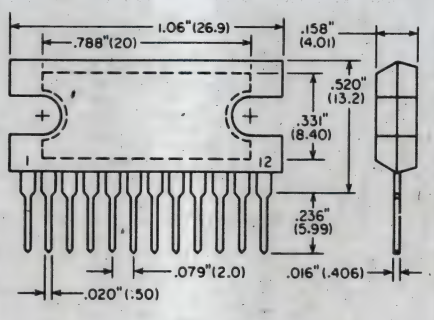


Fig. L57B — 13-Lead Formed SIP

ECG
1802 1804 1851 7083

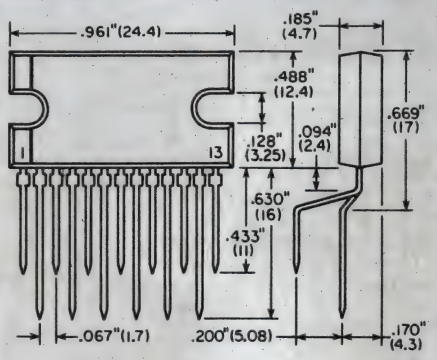


Fig. L58 — 14-Pin SIP

ECG
1377
1637

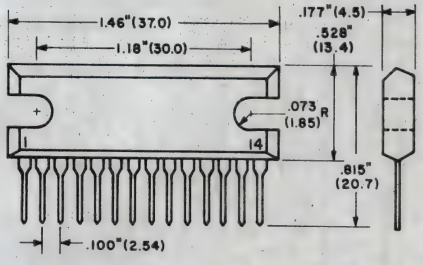


Fig. L59 — 14-Pin SIP

ECG
1364

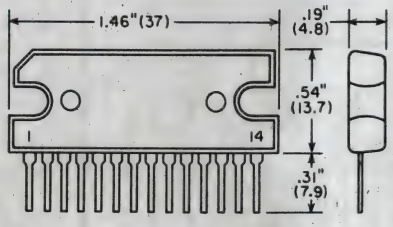


Fig. L60A — 8-Pin SIP-M

ECG
1880 7024 7026 7035 7037

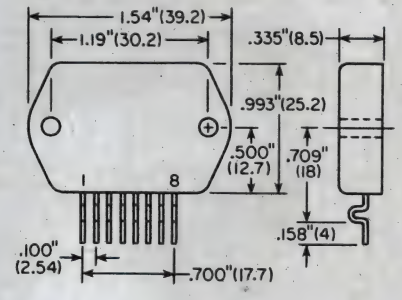


Fig. L60B — 8-Pin SIP-M

ECG
1883

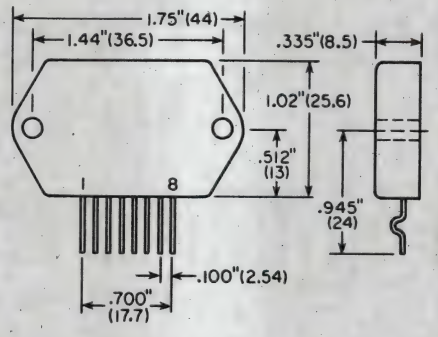


Fig. L61 — 10-Pin SIP

ECG
1350

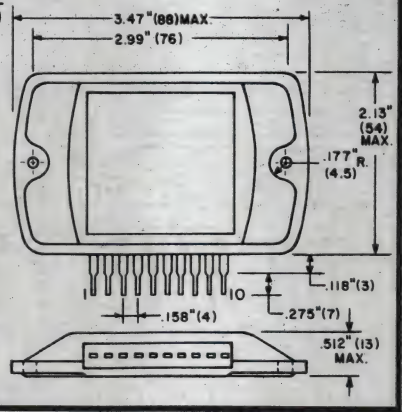


Fig. L62 — 10-Pin SIP-M

ECG
1322
1334
1335
1346

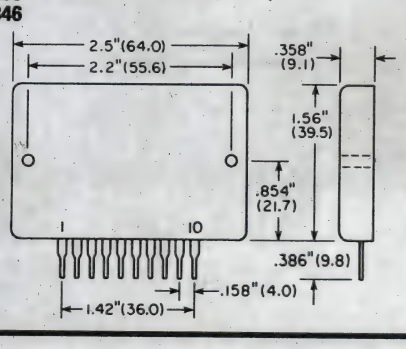


Fig. L63 — 10-Pin SIP-M

ECG
1024
1027
1320
1333

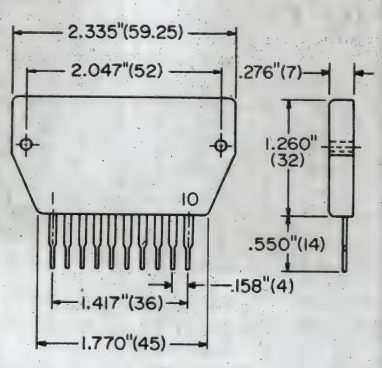
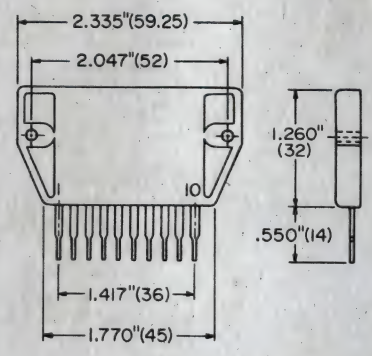


Fig. L64 — 10-Pin SIP-M

ECG
1279
1280
1281
1282
1321
1357
1358
1360



IC and Module Outlines (cont'd)

Fig. L65 — 10-Pin SIP-M

ECG
1025
1139
1274

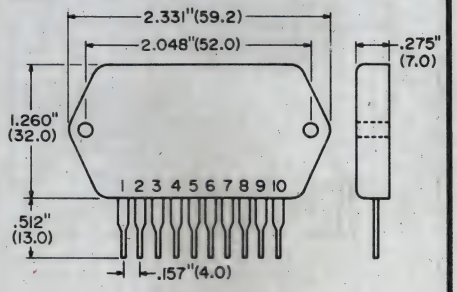


Fig. L65A — 10-Pin SIP-M

ECG
1822 7025 7074

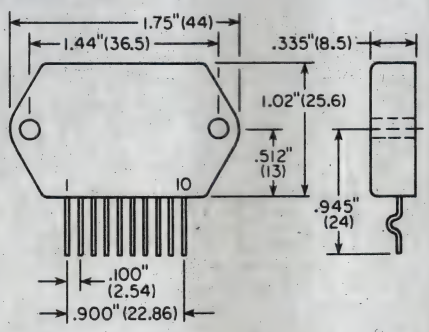


Fig. L66 — 10-Pin SIP-M

ECG
1028 1327 1337
1326 1328 1340

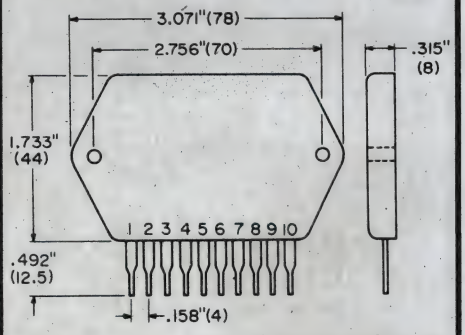


Fig. L67A — 12-Pin SIP

ECG
1732

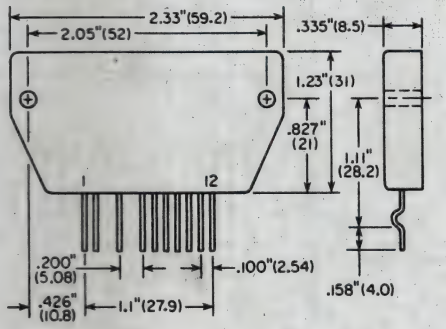


Fig. L67B — 12-Pin SIP-M

ECG
1823

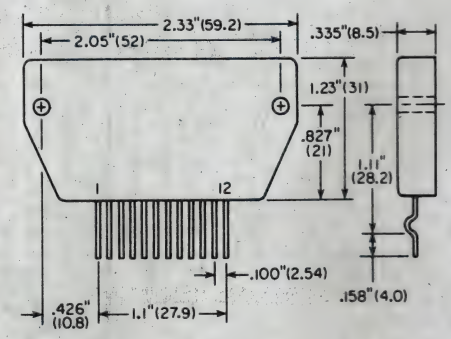


Fig. L67C — 12-Pin SIP-M

ECG
1881 7023 7034
7022 7028

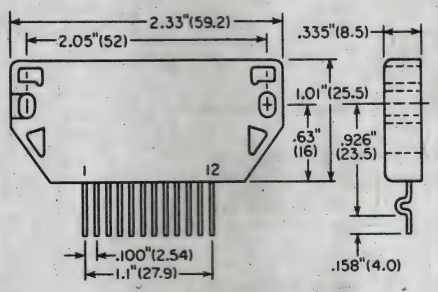


Fig. L68 — 15-Pin SIP-M

ECG
1338
1339

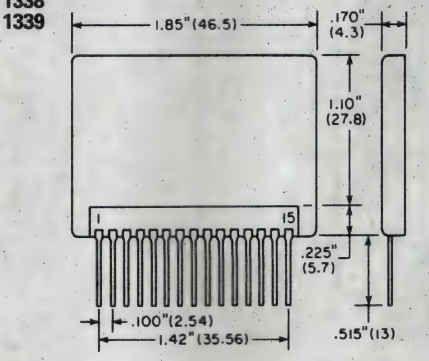


Fig. L68A — 15-Pin SIP-M

ECG
1878

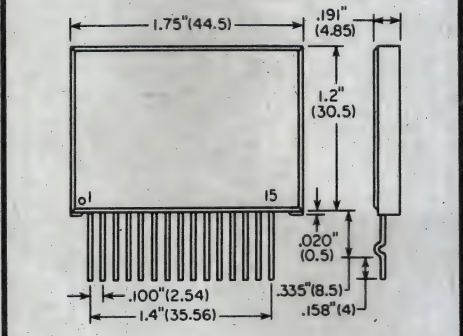


Fig. L69 — 15-Pin SIP-M

ECG
1218 1359
1220 1879
1343

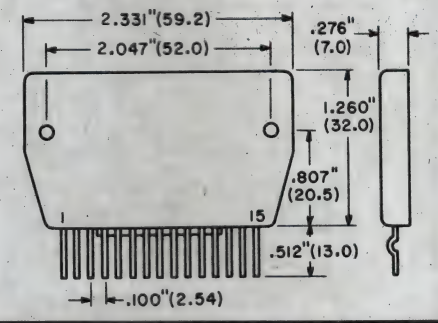


Fig. L69A — 15-Pin SIP-M

ECG
1733* 1815 7030
1734 1872 7038
1735 1876

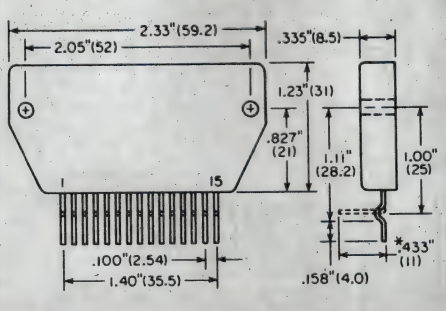
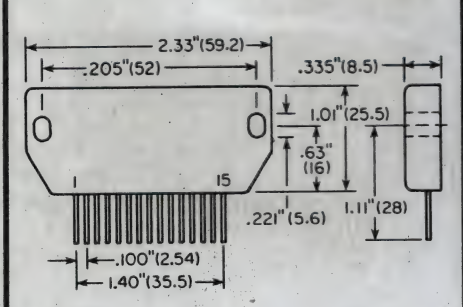


Fig. L69C — 15-Pin SIP

ECG
1821



N

IC and Module Outlines (cont'd)

Fig. L70 — 15-Pin SIP-M

ECG
1219
1329
1344

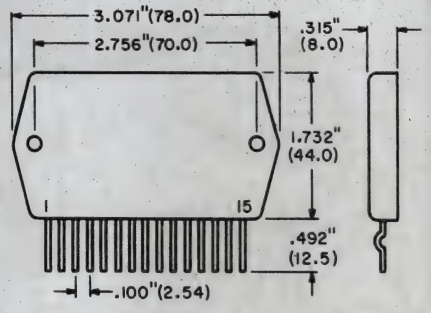


Fig. L70A — 15-Pin SIP-M

ECG
1870 7075

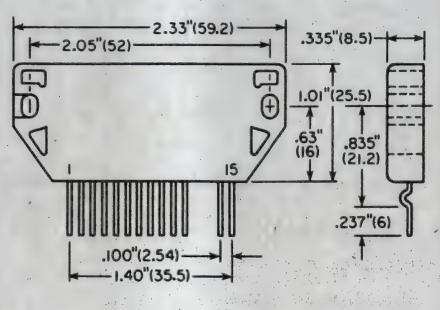


Fig. L70B — 15-Pin SIP-M

ECG
1882 7031

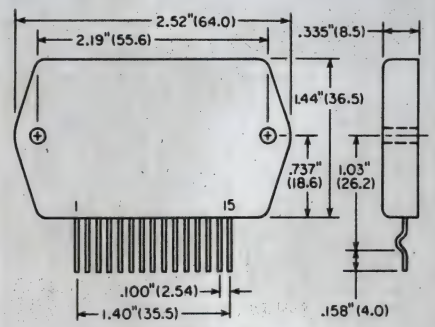


Fig. L71 — 16-Pin SIP-M

ECG
1252

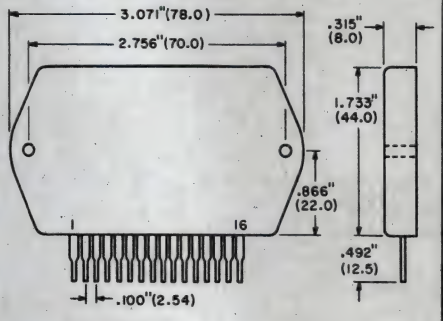


Fig. L72 — 16-Pin SIP-M

ECG
1336

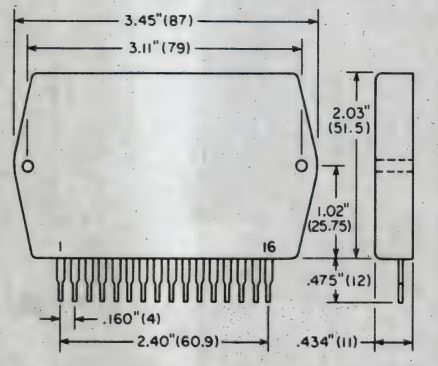


Fig. L72A — 16-Pin SIP

ECG
1825

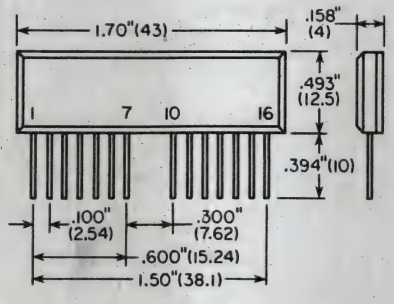


Fig. L73 — 16-Pin SIP-M

ECG
1330 1345 1356 1875
1331 1347 1820

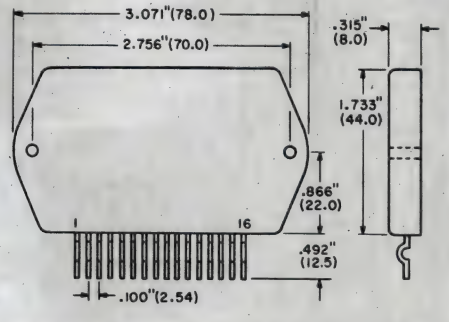


Fig. L75 — 16-Pin SIP

ECG
1351

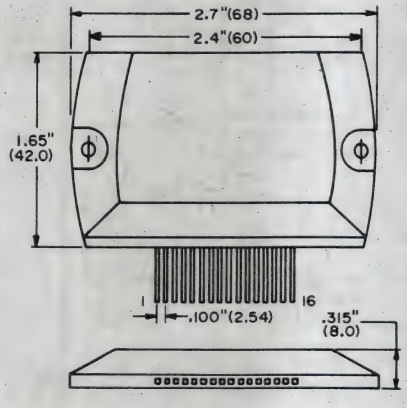


Fig. L75A — 18-Pin SIP-M

ECG
1736

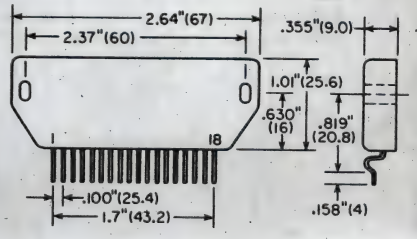


Fig. L75B — 18-Pin SIP-M

ECG
1317 1816 1818 1871 1877
1737 1817 1819 1874 1885

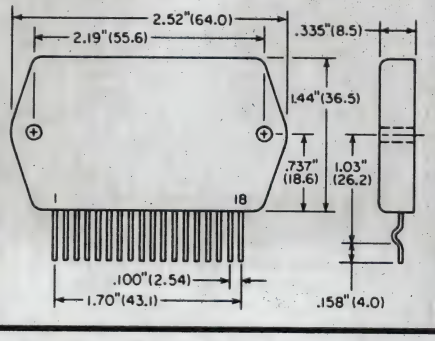
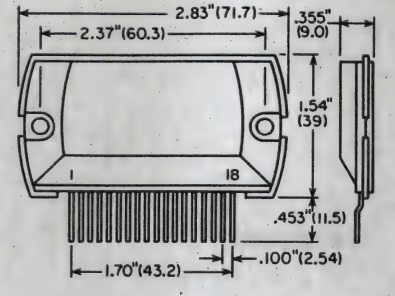


Fig. L75C — 18-Pin SIP-M

ECG
1848



IC and Module Outlines (cont'd)

Fig. L75D — 18-Pin SIP

ECG
1315 7032
1316

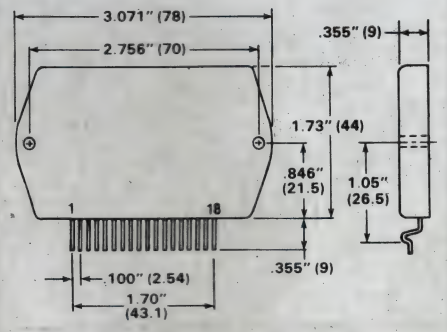


Fig. L76 — 8-Pin SIP-HS

ECG
1244

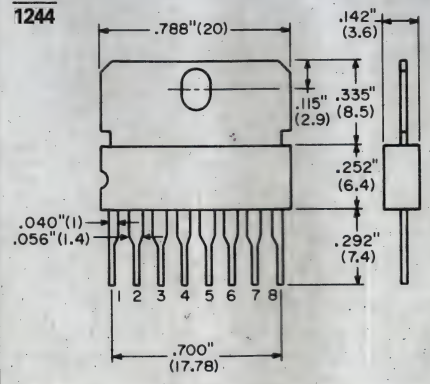


Fig. L76A — 7-Pin SIP-HS

ECG
1684
1782

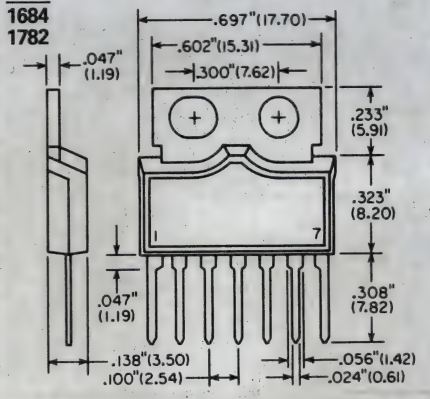


Fig. L76B — 7-Pin SIP-HS

ECG
1773

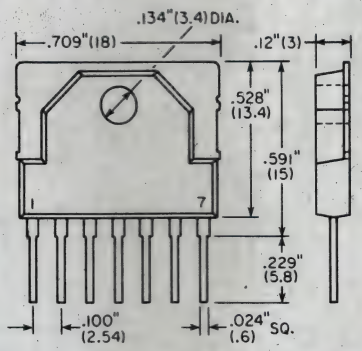


Fig. L76C — 7-Pin SIP-HS

ECG
1832
7064

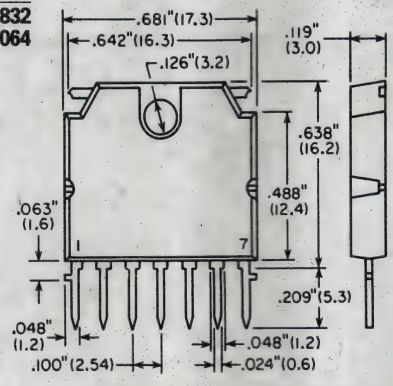


Fig. L77 — 8-Pin SIP-HS

ECG
1271
1423

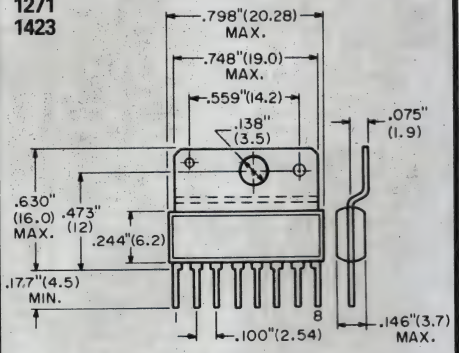


Fig. L78 — 8-Pin SIP-HS

ECG
1424

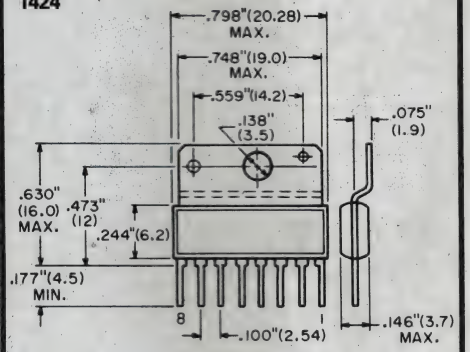


Fig. L78A — 8-Pin SIP-HS

ECG
1767
7101

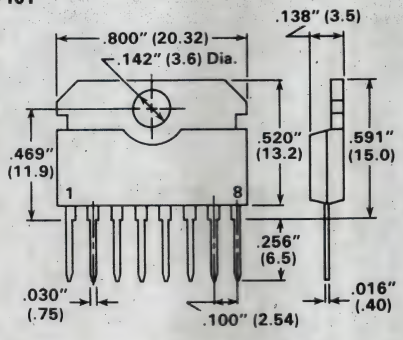


Fig. L79 — 9-Pin SIP-HS

ECG
1363
1365
1674
1789
7052

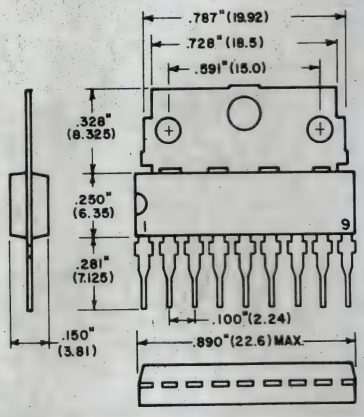


Fig. L80 — 9-Pin SIP-HS

ECG
1361
1362
1628

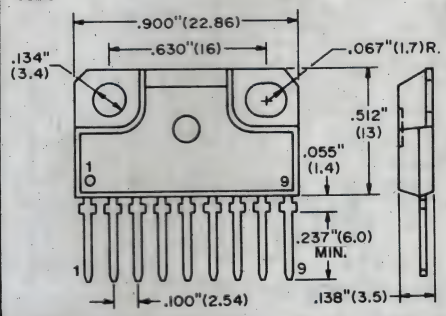


Fig. L80A — 9-Pin SIP-HS

ECG
7002

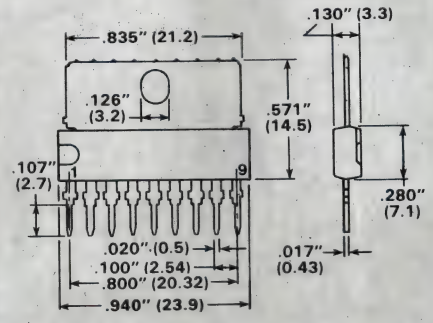
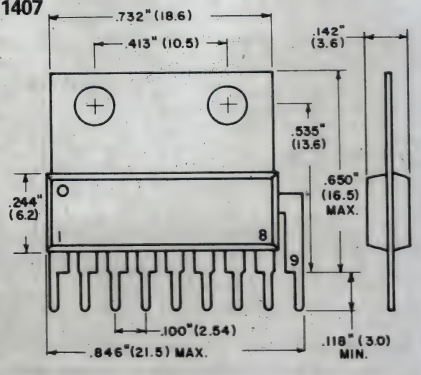


Fig. L81 — 9-Pin SIP-HS

ECG
1407



N

IC and Module Outlines (cont'd)

Fig. L81A — 9-Pin SIP-HS

ECG
1566
1852

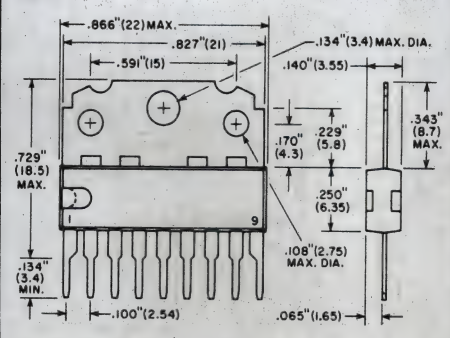


Fig. L81B — 9-Lead Formed SIP

ECG
1567

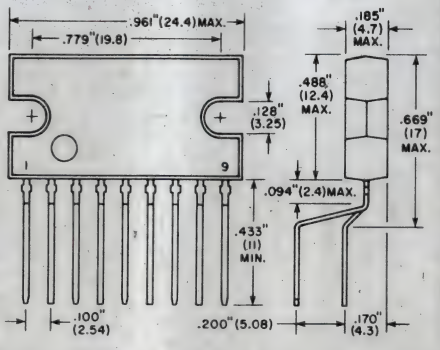


Fig. L82 — 10-Pin SIP-HS

ECG
1393

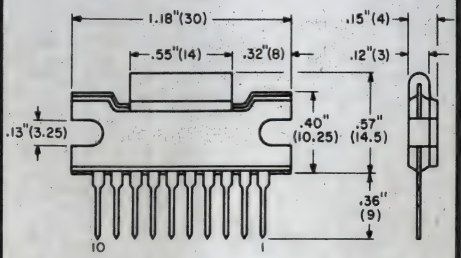


Fig. L83 — 10-Pin SIP-HS

ECG
1169
1239
1392

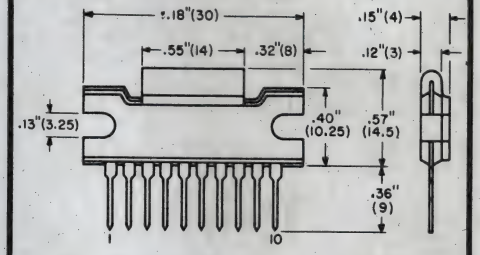
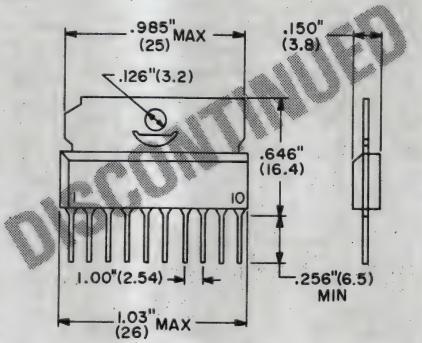


Fig. L84 — 10-Pin SIP-HS

ECG
1256



DISCONTINUED

Fig. L85 — 10-Pin SIP-HS

ECG
1155
1278
1370
1387
1476

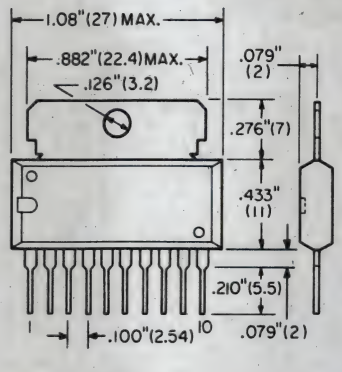


Fig. L86 — 10-Pin SIP-HS

ECG
1478

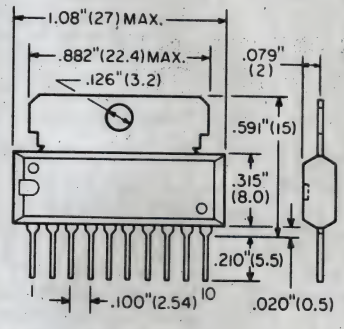


Fig. L87 — 10-Pin SIP-HS

ECG
1165
1166
1375
1716
1766
1834

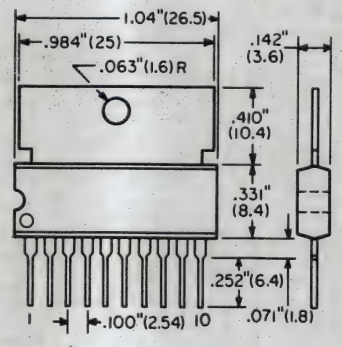


Fig. L88 — 10-Pin SIP-HS

ECG
1685

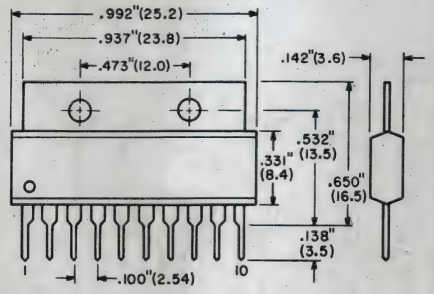
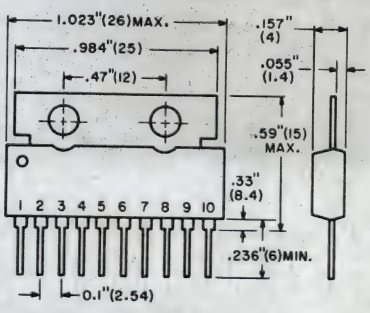


Fig. L89 — 10-Pin SIP-HS

ECG
1245•



• Alt. Fig. L90

Fig. L90 — 10-Pin SIP-HS

ECG
1081A
1127
1160
1185
1275
1420

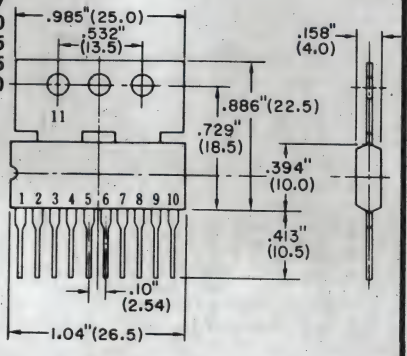
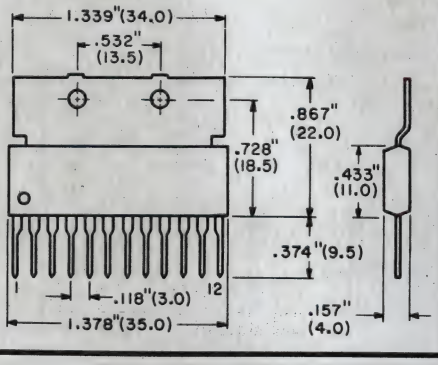


Fig. L91 — 12-Pin SIP-HS

ECG
1193



IC and Module Outlines (cont'd)

Fig. L91A — 12-Pin SIP-HS

ECG
1891
1892

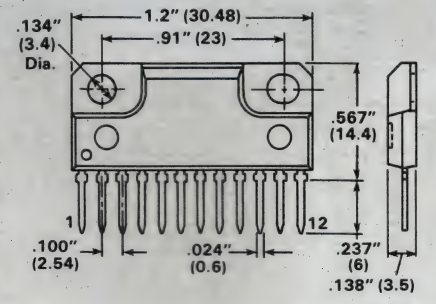


Fig. L92 — 12-Pin SIP-HS

ECG
1395
1398
1399
1602
1606
7040
7061

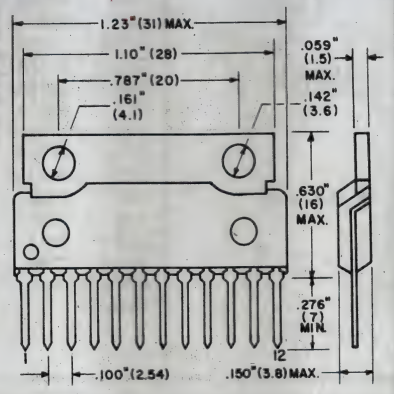


Fig. L92A — 12-Pin SIP-HS

ECG **1898** **7068**
1830 **1899** **7070**
1831

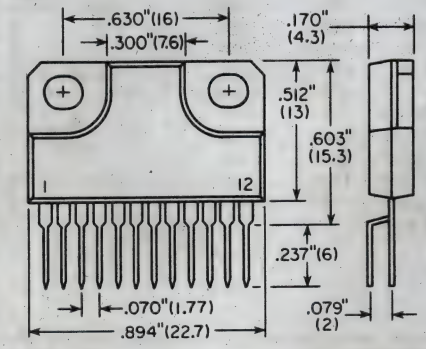


Fig. L92B — 13-Pin SIP-HS

ECG
1855 **7085**
7039 **7104**

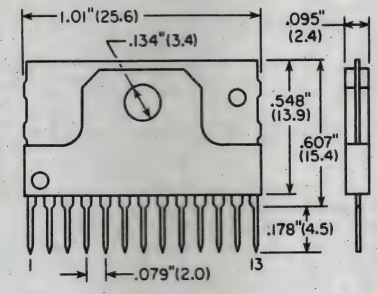


Fig. L93 — 11-Pin SIP-HS

ECG
1396 **7105**
1858 **7106**
7053

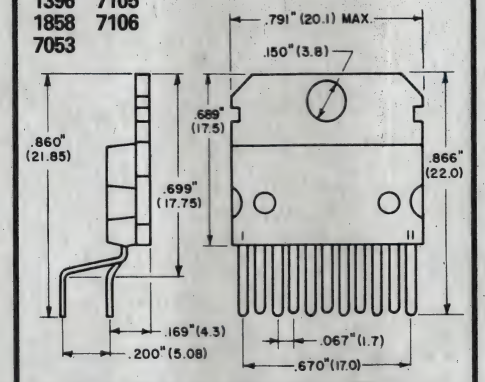


Fig. L93A — 15-Pin SIP-HS

ECG **1862** **7006**
1681 **1887** **7071**
1750

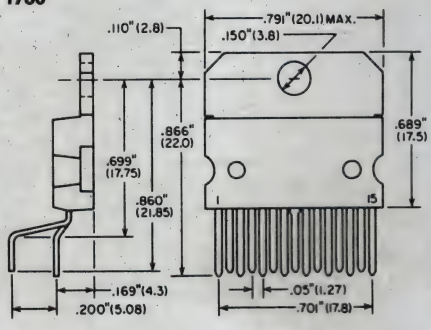


Fig. L93B — 11-Pin SIP-HS

ECG
1687

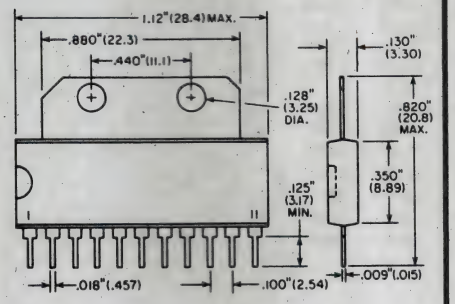


Fig. L94 — 4-Pin DIP-Q

ECG
752
755
757
758
759

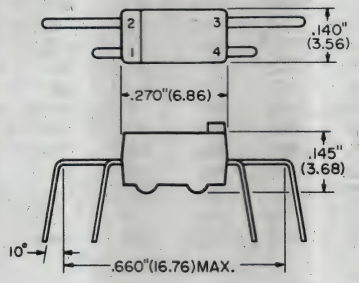


Fig. L95 — 6-Pin DIP-Q

ECG
760
768
770

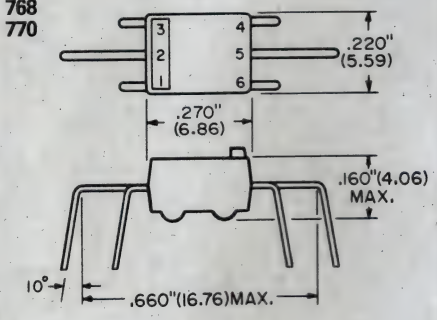


Fig. L96 — 4-Pin DIP

ECG
735

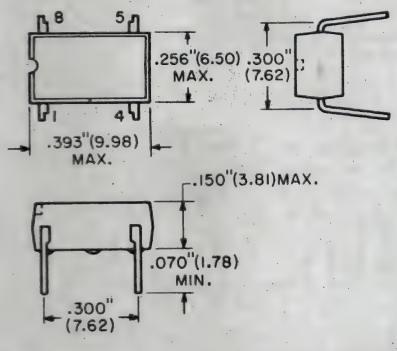
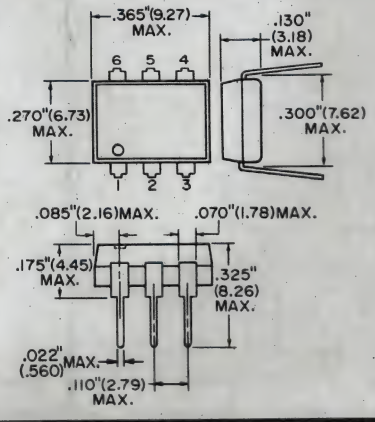


Fig. L96A — 6-Pin DIP

ECG
1603



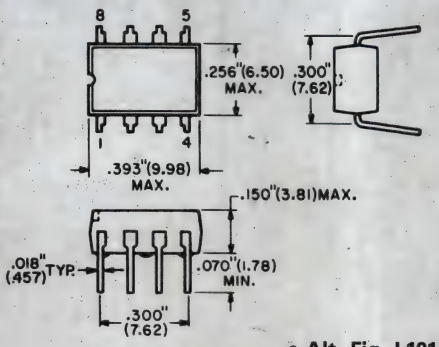
N

IC and Module Outlines (cont'd)

Fig. L97 — 8-Pin DIP

ECG

736	941M	1209
766A	955MC	1227
772A•	976	1294
805	994M	1504
836	995M	1505
856	996	1581
876	999M	1639
891M	1039	1641
918M	1041	1648
922M	1042	1941
924M	1179	2046
928M	1187	7051
938M		



• Alt. Fig. L101

Fig. L98 — 8-Pin DIP

ECG

746	889M	
747	890	
778A	937M	
815	943M	
823	944M	
824	955M	
829	975	
832	1714M	
833	1845M	
838	1930	
839	7096	
857M	7097	
858M	7098	
887M	7099	
888M		

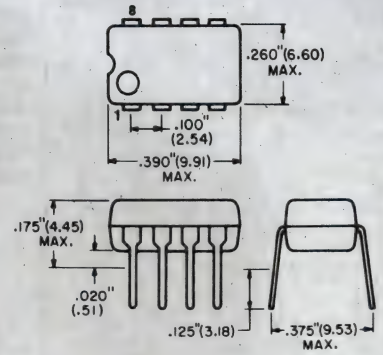


Fig. L99 — 8-Pin DIP-Q

ECG

773
776

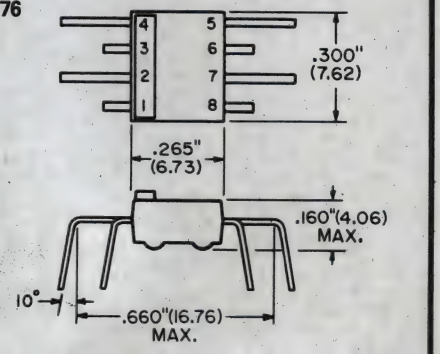
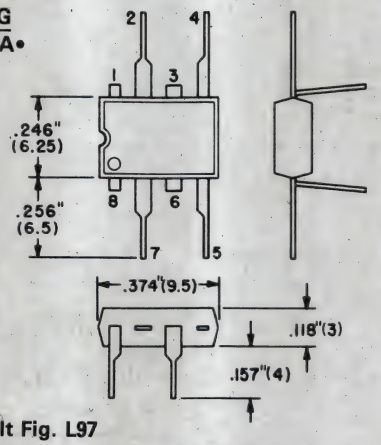


Fig. L101 — 8-Pin DIP-Q

ECG

772A•



• Alt Fig. L97

Fig. L102 — 10-Pin DIP

ECG

1450

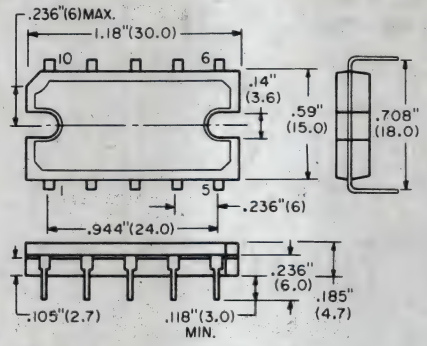


Fig. L103 — 14-Pin DIP

ECG

847

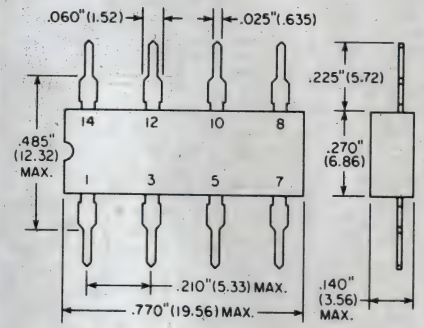
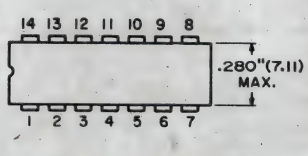


Fig. L104 — 14-Pin DIP

ECG

706	739	812	910D	978C	1051	1112	1419	1634
708	744	821	912	979	1054	1122	1432	1642
709	748A	825	914	983	1055	1136	1436	1670
710	749	828	917	987	1056	1142	1442	1679
712	750	834	919D	989	1057	1162	1451	1753
713	779A	849	921	992	1061	1172	1453	1763
715	782	851	923D	995	1062	1177	1454	1764
718	790	852	927D	997	1074	1186	1455	1807
719	793	855	941D	1003	1076	1221	1456	2800
720	798	859	942	1005	1077	1226	1480	9401
721	799	864	947D	1006	1079	1229	1487	
722	800	869	948	1043	1080	1236	1491	
723	801	872	973D	1045	1094	1312	1571	
725	804	908	974	1046	1099	1400	1575	
738	806	909D	978	1047	1108	1415	1616	



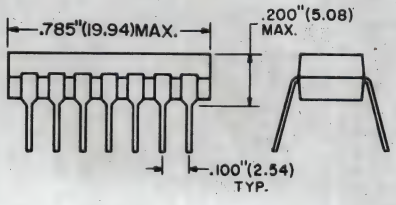
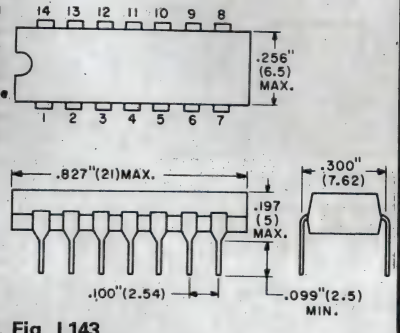


Fig. L105 — 14-Pin DIP

ECG

1004
1109
1149
1206
1237
1243
1308•
1418
1678



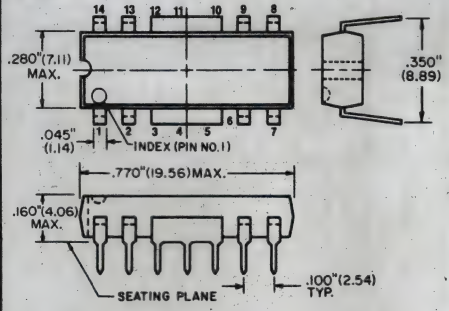
•Alt. Fig. L143

IC and Module Outlines (cont'd)

Fig. L106 — 14-Pin DIP-W

ECG

740A 862
804• 990
810A

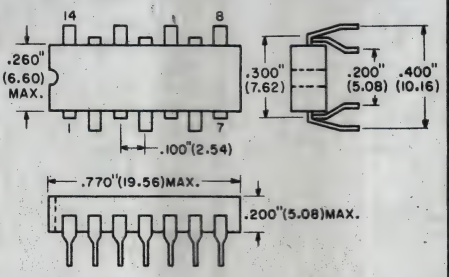


• Alt. Fig. L104, L132

Fig. L107 — 14-Pin DIP-Q

ECG

710•
1113
1117
1174



• Alt. Fig. L104

Fig. L108 — 14-Pin DIP

ECG

1078

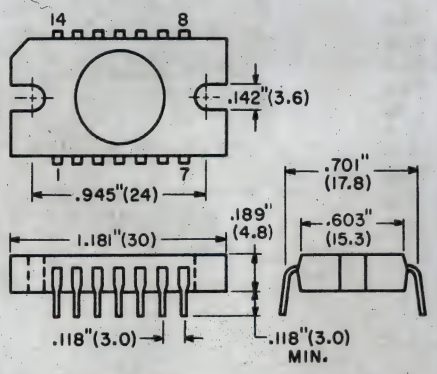


Fig. L110 — 16-Pin (Dual 8)

ECG

1083

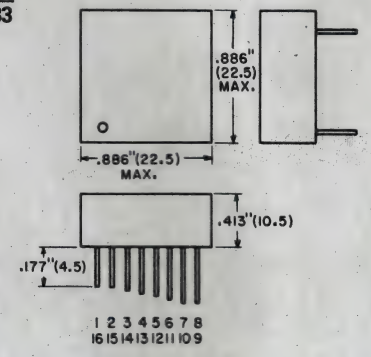
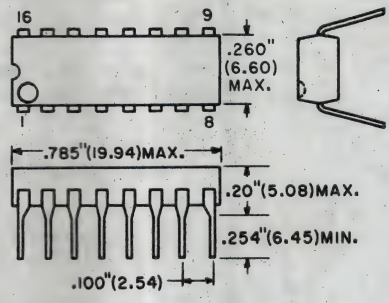


Fig. L111 — 16-Pin DIP

ECG

714	870	1067	1182	1272	1496	1560	1651	1759	7001
727	892	1068	1184	1290	1514	1562	1652	1760	7005
731	893	1070	1214	1298	1515	1563	1654	1761	7012
743	916	1071	1215	1401	1519	1564	1655	1762	7016
787	926	1072	1216	1403	1534	1565	1662	1765	7019
788	929	1073	1217	1413	1538	1574	1672	1775	7109
791	939	1121	1225	1425	1540	1576	1677	1784	7110
808	980	1123	1230	1441	1542	1577	1690	1799	9403
809	982	1158	1231A•	1447	1543	1578	1693	1837	
818	984	1159	1233	1460	1544	1579	1725	1842	
820	993	1163	1242	1484	1545	1593	1729	1849	
822	1060	1164	1250	1488	1555	1611	1731	1854D	
831	1064	1167	1264	1489	1556	1623	1739	1857	
853	1065	1168	1266	1490	1557	1624	1749	1859	
865	1066	1181	1267	1492	1559	1647	1758	7000	



• Pins 4 & 5, 12 & 13 webbed together

Fig. L112 — 16-Pin DIP

ECG

700	1084	1482
701	1086	1568
702	1091	1573
802	1106	1703
803	1124	1720
835	1130	1721
840	1133	1723
841	1200	1785
842	1205	1888
843	1248	2047
861	1263	2054
991	1408	7050
1049	1446	7082
1069		

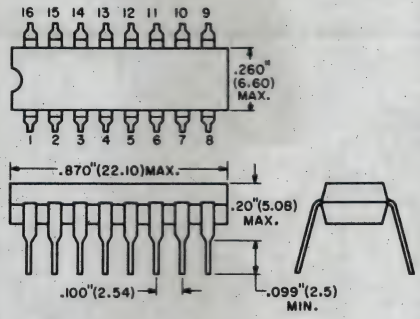
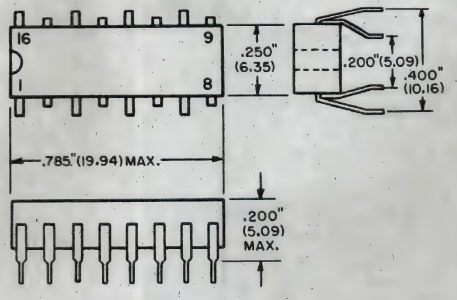


Fig. L113 — 16-Pin DIP-Q

ECG

728
729
789
797



N

IC and Module Outlines (cont'd)

Fig. L114 — 16+2-Pin DIP-ET

ECG
1296
1471
1486
1527
1550
1583
1585
1597
1600
1686

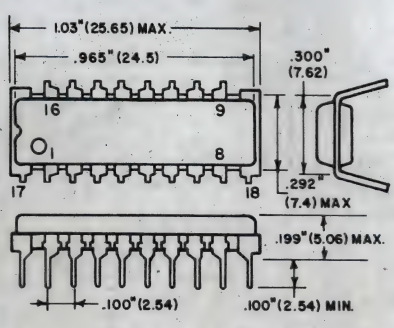


Fig. L115 — 18-Pin DIP

ECG

826	1715
846	1722
860	1727
867	1752
1295	1755
1314	1757
1508	1803
1509	1811
1539	1833
1549	1865
1558	1889
1632	2207
1683	7072
1689	7084
1691	7108
1700	7112
1702	7115
1713	

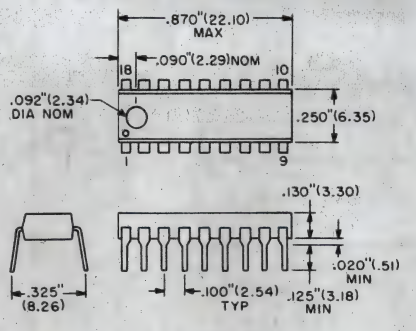


Fig. L115A — 18-Pin DIP

ECG
1814

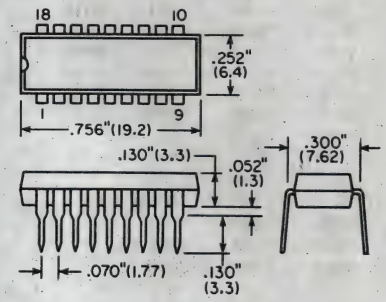


Fig. L116 — 18-Pin DIP

ECG
1265
1367
1383

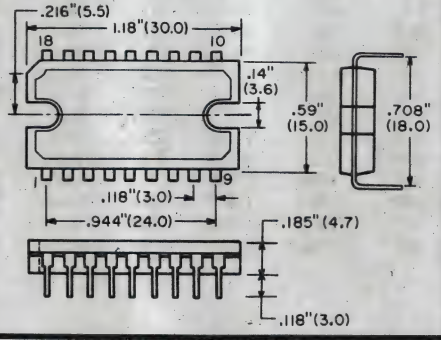


Fig. L117 — 16+2-Pin DIP-Q

ECG
730

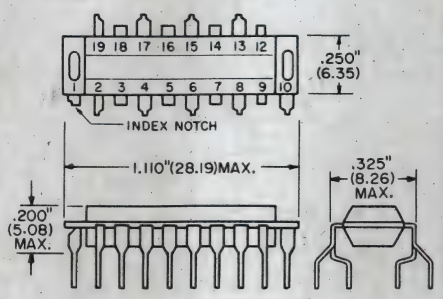


Fig. L118 — 20-Pin DIP

ECG

880	1475	1595	1812
1089	1536	1608	

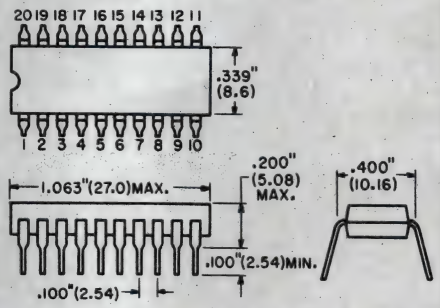


Fig. L118A — 20-Pin DIP

ECG

879	1827	1864	7004	7062	7116
1633	1836	2053	7048	7086	

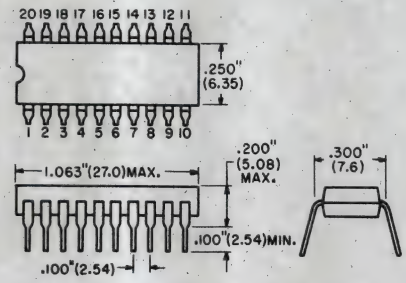


Fig. L119 — 20-Pin DIP

ECG

1273	1379
1372	

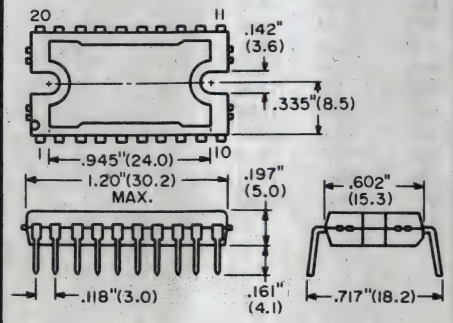


Fig. L119A — 20-Pin DIP

ECG
1675

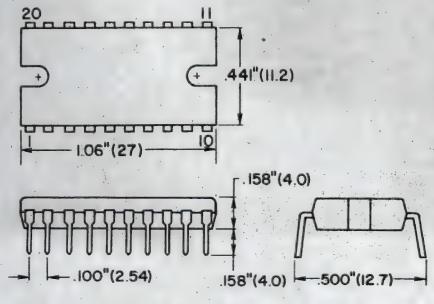
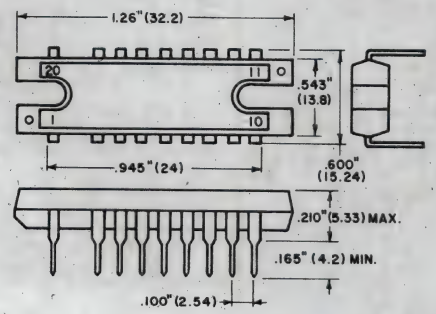


Fig. L120 — 20-Pin DIP (18 Pins)

ECG
1382



IC and Module Outlines (cont'd)

Fig. L121 — 22-Pin DIP

ECG
1253
1297
1405
1636
1664
1669
1710
1712
1744
1772
1779
1835

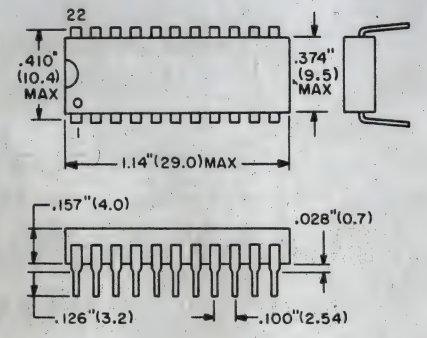


Fig. L121A — 22-Pin DIP

ECG
1806
1813
7020
7063

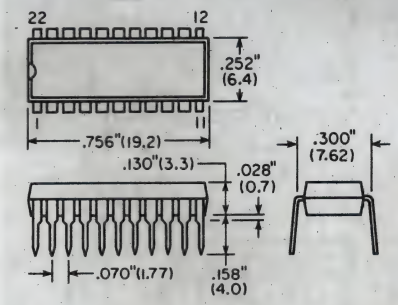


Fig. L122 — 24-Pin DIP

ECG
845
868
986
1196
1198
1199
1254
1299
1402
1409
1412
1417
1437
1469
1520
1535
1570
1621
1726
1786
1853
1890
2055
6860
7049

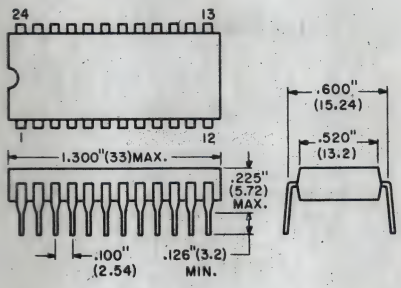


Fig. L122A — 24-Pin DIP

ECG
1270
1587
1613
1630

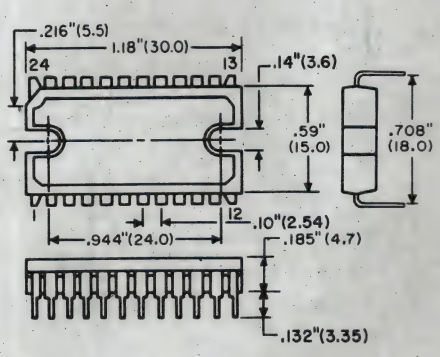


Fig. L122B — 24-Pin DIP

ECG
1809

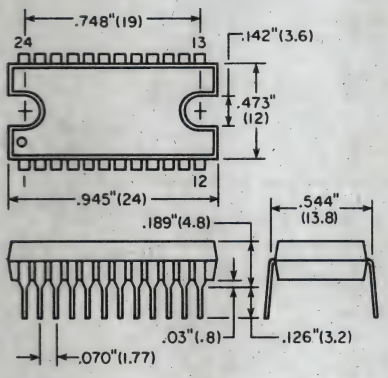


Fig. L122C — 24-Pin DIP

ECG
1409C

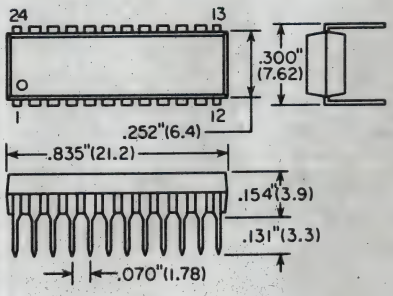


Fig. L123 — 24-Pin DIP

ECG
854

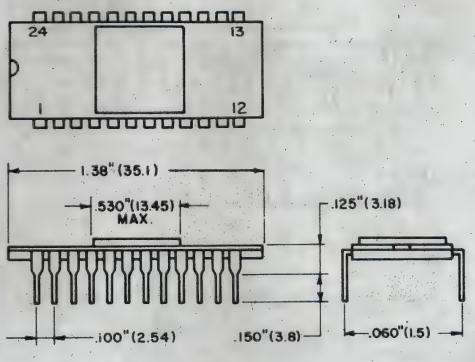
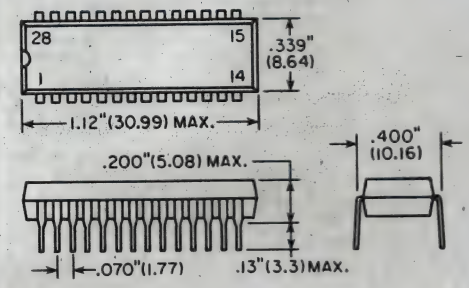


Fig. L123A — 28-Pin DIP

ECG
1801
1805
1808
1810
1861



N

IC and Module Outlines (cont'd)

Fig. L124 — 28-Pin DIP

ECG

813	1532
844	1589
873	1591
874	1650
875	1673
878	1701
1161	1738
1189	1747
1268	2062
1269	2200
1410	2202
1411	2205
1416	2206
1428	7018
1473	7047
1526	7081

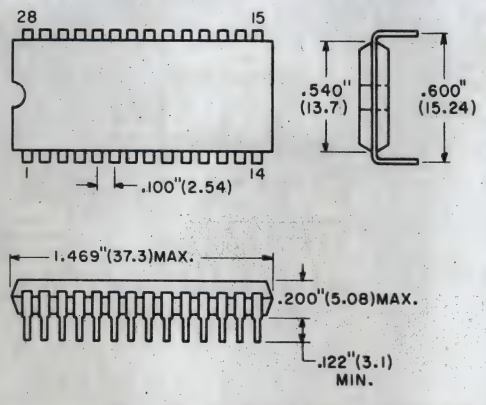


Fig. L124A — 28-Pin DIP

ECG

2052
2057

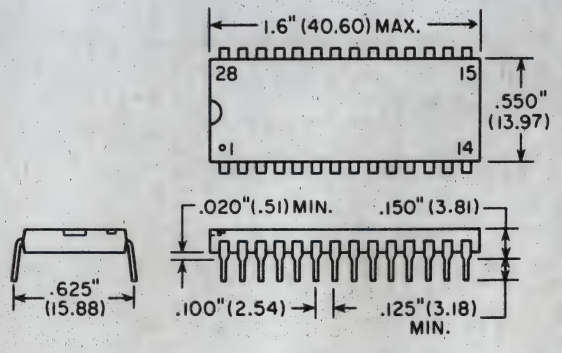


Fig. L124B — 30-Pin DIP

ECG

1653
1656

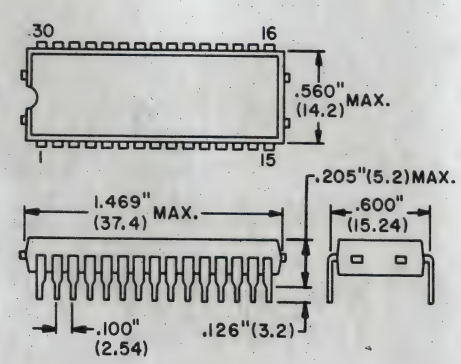


Fig. L124C — 30-Pin DIP

ECG

1728
1771
1800
1838
1845
1847
1856
7007
7008
7009
7015

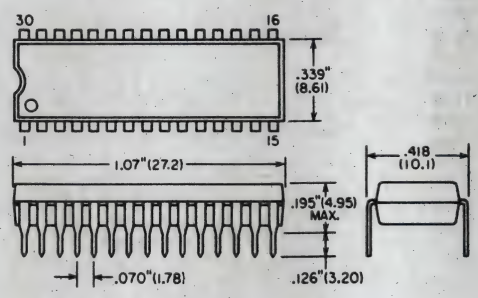


Fig. L124D — 36-Pin DIP

ECG

7014
7065

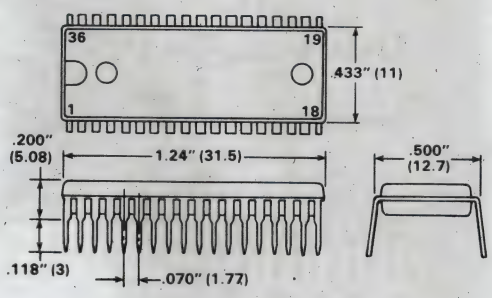


Fig. L125 — 40-Pin DIP

ECG

1414	2051	2064
2049	2060	2065
2050	2063	2400

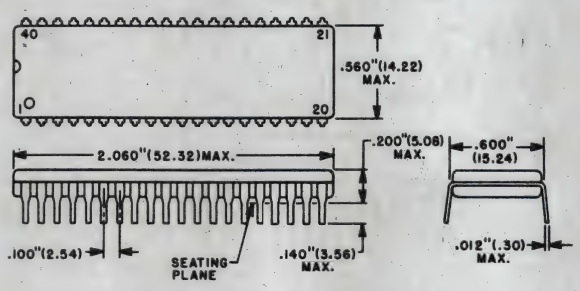


Fig. L126 — 42-Pin DIP

ECG

1537
1547
1671

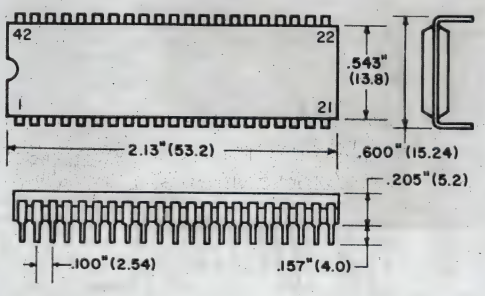
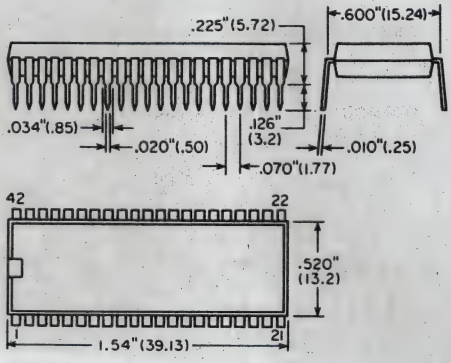


Fig. L126A — 42-Pin DIP

ECG

1793
1860
1863



IC and Module Outlines (cont'd)

Fig. L126B — 64-Pin DIP

ECG
1790
7058

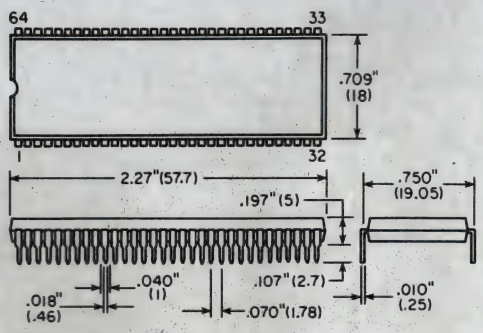


Fig. L126C — 52-Pin DIP

ECG
1846
7003
7054
7060
7111

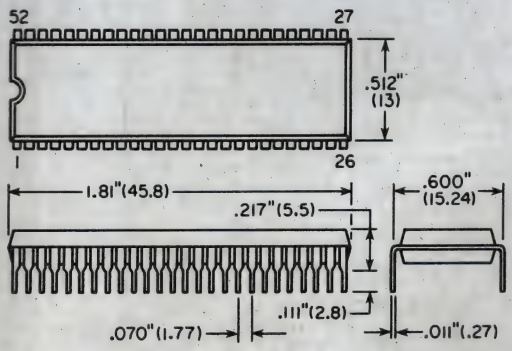


Fig. L126D — 54-Pin DIP

ECG
7010

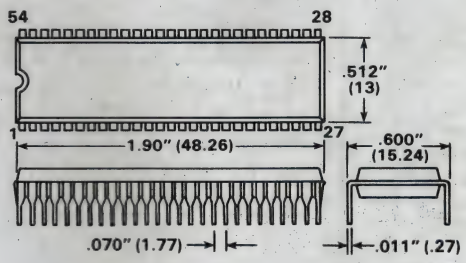


Fig. L127 — 8-Pin DIP-W

ECG
1009
1010
1150

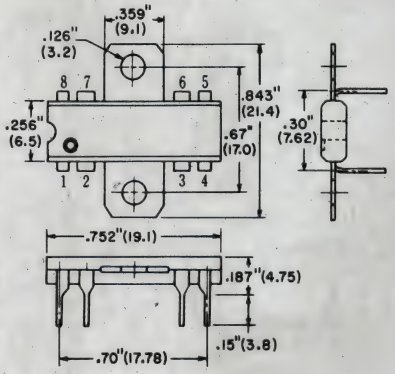


Fig. L128 — 10-Pin DIP-W

ECG
1259

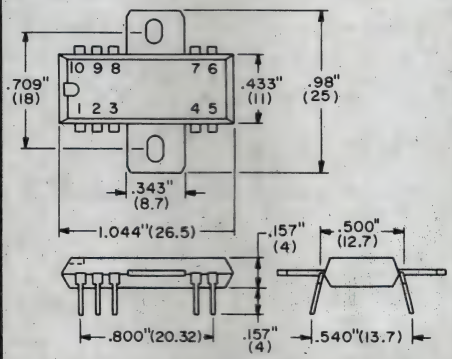


Fig. L129 — 12-Pin DIP-W

ECG
1031
1032
1033
1035
1036
1238

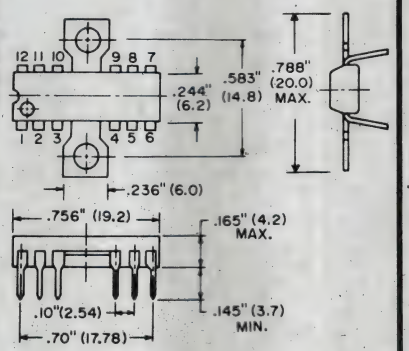


Fig. L130 — 12-Pin DIP-W

ECG
1115
1554

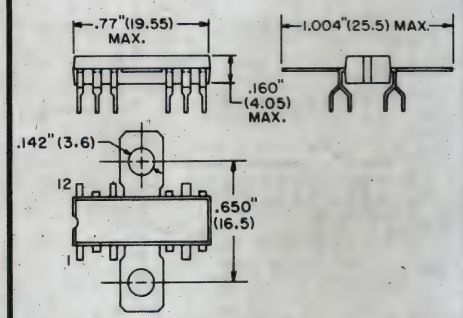


Fig. L131 — 12-Pin DIP-QW

ECG
1115A **1231**
1116 **1289**

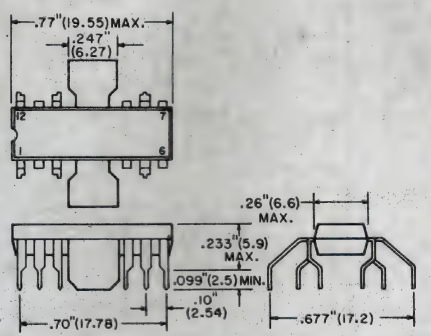


Fig. L132 — 14-Pin DIP-W

ECG
804

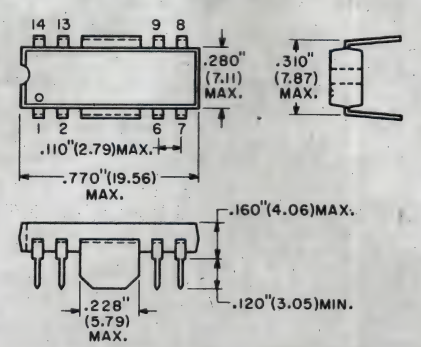
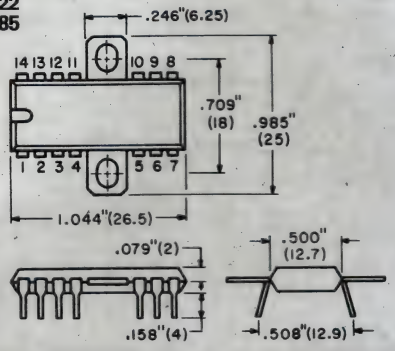


Fig. L133 — 14-Pin DIP-W

ECG
1154
1222
1385



N

IC and Module Outlines (cont'd)

Fig. L134 — 14-Pin DIP-W

ECG
1023
1107

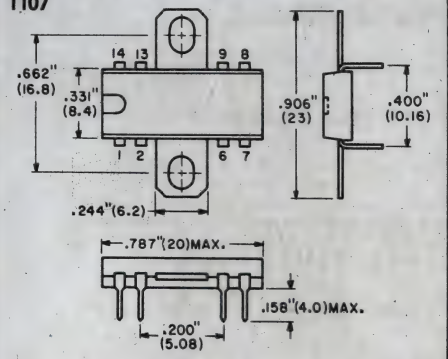


Fig. L135 — 14-Pin DIP-W

ECG
814A

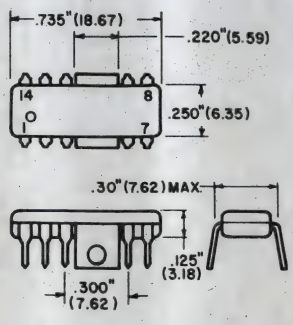


Fig. L136 — 16-Pin DIP-W

ECG
742
807
1667
1774

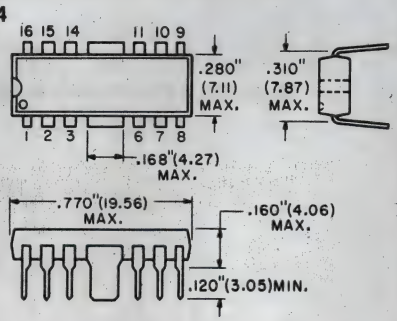


Fig. L137 — 8-Pin DIP-ET

ECG
1140
1141

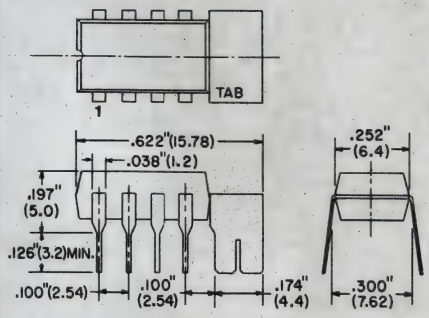


Fig. L138 — 8-Pin DIP-ET

ECG
1516

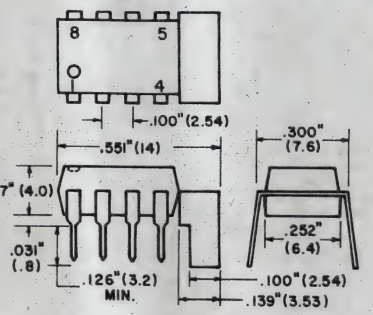


Fig. L139 — 14-Pin DIP-ET

ECG
717

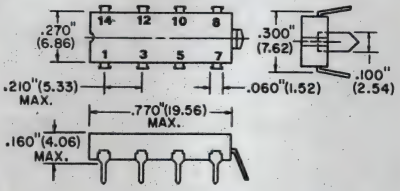


Fig. L140 — 14-Pin DIP-ET

ECG
1439

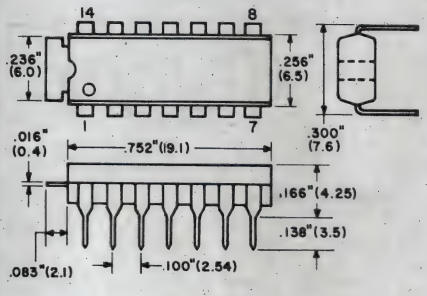


Fig. L141 — 14-Pin DIP-ET

ECG
1303
1313

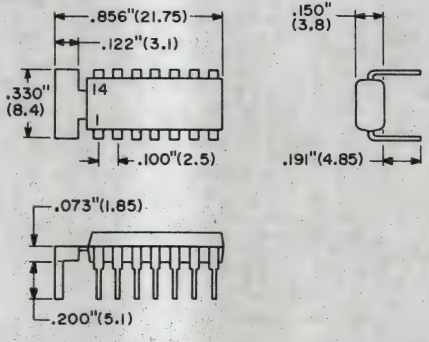


Fig. L142 — 14-Pin DIP-ET

ECG
1310

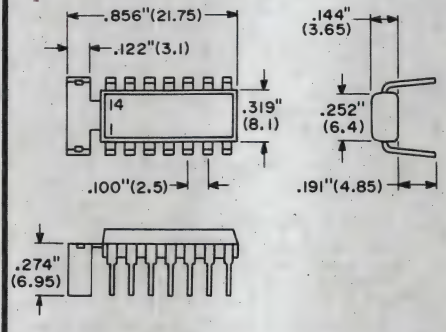
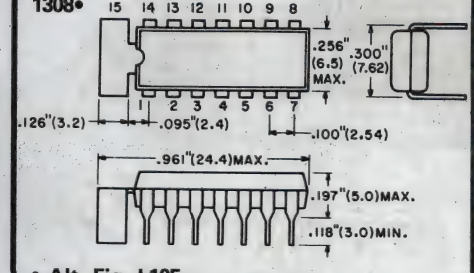


Fig. L143 — 14-Pin DIP-ET

ECG
1095
1096
1097
1126
1308•



• Alt. Fig. L105

Fig. L144 — 14-Pin DIP-ET

ECG
1180 1463 1472 1481 1512
1228 1470 1477 1511 1531

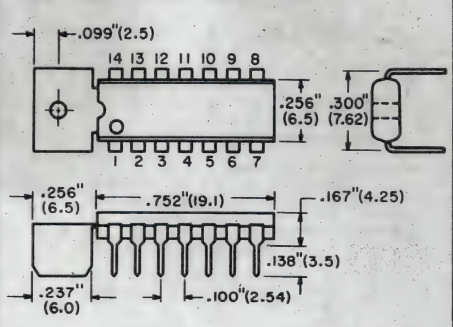
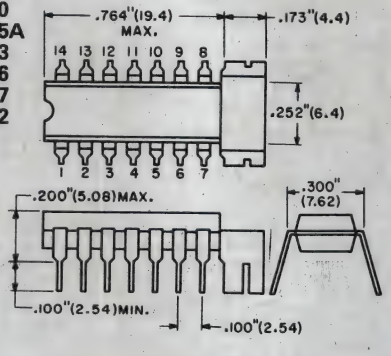


Fig. L145 — 14-Pin DIP-ET

ECG
1048
1050
1075A
1093
1246
1257
1522



IC and Module Outlines (cont'd)

Fig. L146 — 14-Pin DIP-ET

ECG
1530
7055

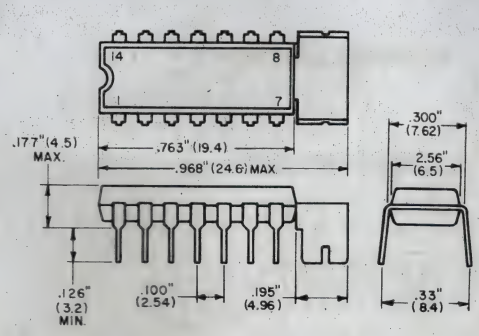


Fig. L147 — 14-Pin DIP-ET

ECG
1381

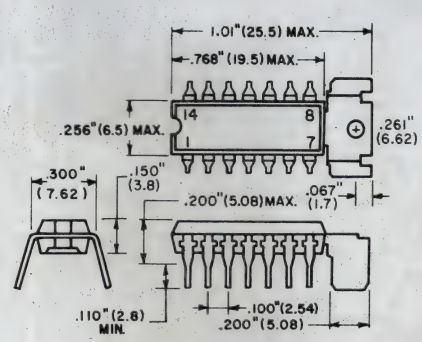
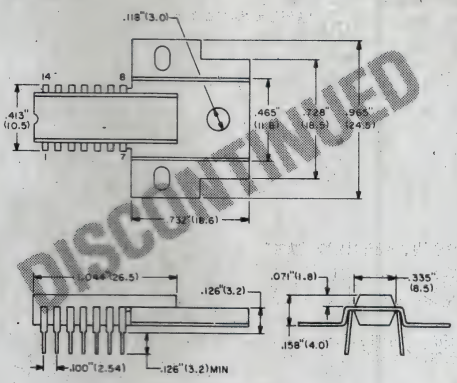


Fig. L148 — 14-Pin DIP-ET

ECG
1258



DISCONTINUED

Fig. L149 — 16-Pin DIP-ET

ECG
1110

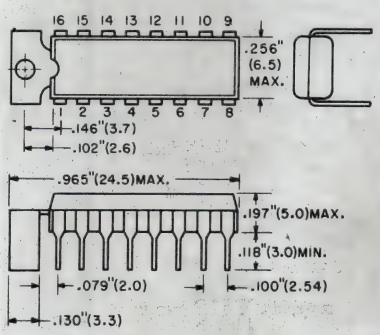


Fig. L150 — 16-Pin DIP-ET

ECG
1156

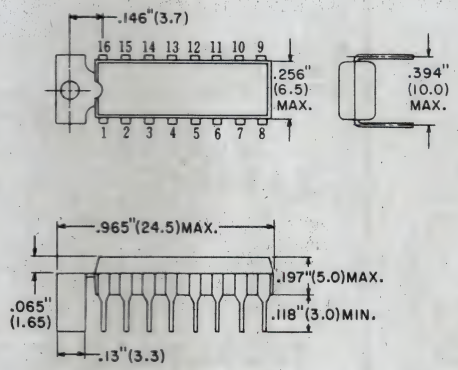


Fig. L150A — 16-Pin DIP-ET

ECG
1661

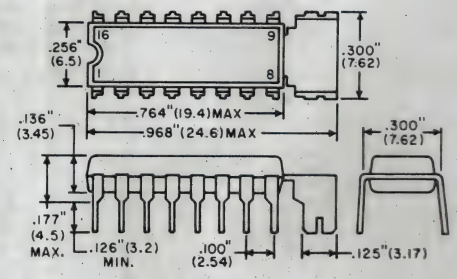


Fig. L151 — 16-Pin DIP-ET

ECG
1404
1500
1501
1551

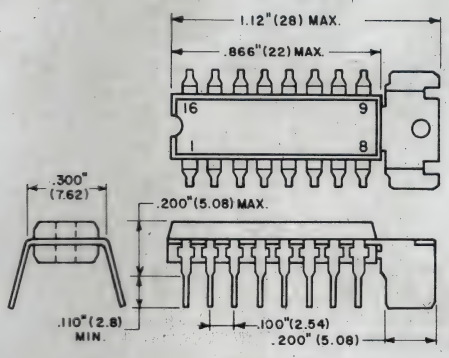
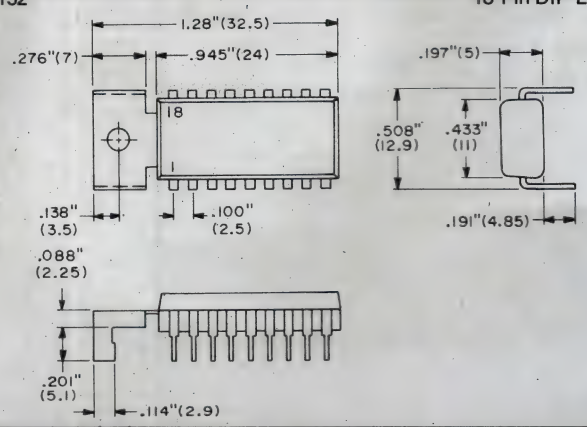


Fig. L152 — 18-Pin DIP-ET

ECG
1311
1584
1599



N

IC and Module Outlines (cont'd)

Fig. L153 — 24-Pin DIP-ET

ECG
1304 1590
1305 1592
1306 1594
1307 1596
1586 1598
1588 1601

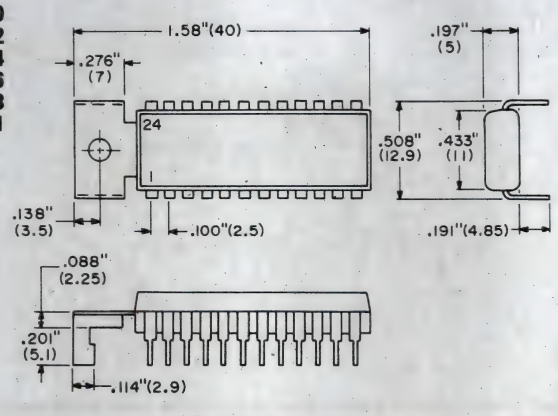


Fig. L154 — 28-Pin DIP-HS

ECG
1422
1622

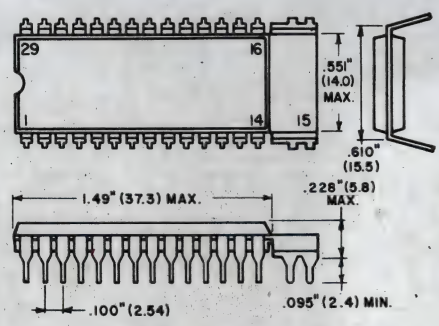


Fig. L155 — 10-Pin DIP-HS

ECG
1029
1037

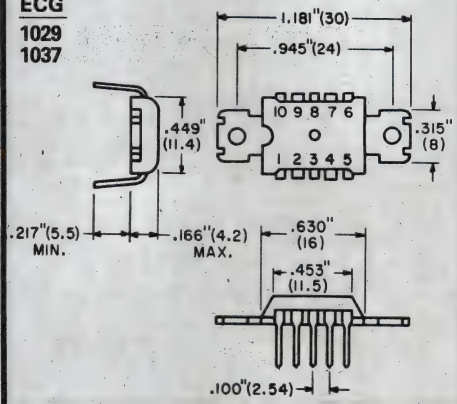


Fig. L156 — 10-Pin DIP-HS

ECG
1038

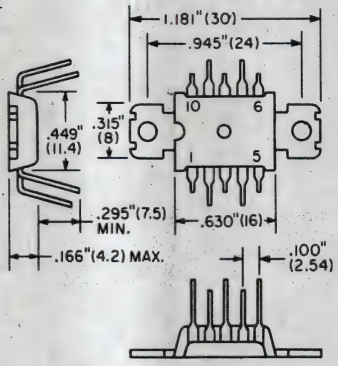


Fig. L157 — 14-Pin DIP-Q-HS

ECG
1111
1118

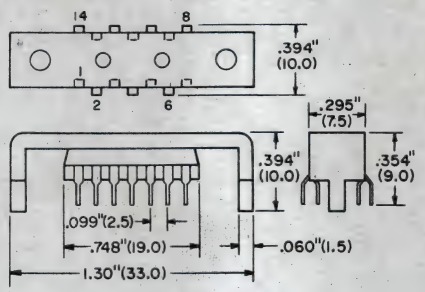


Fig. L158 — 16-Pin DIP-HS

ECG
1175

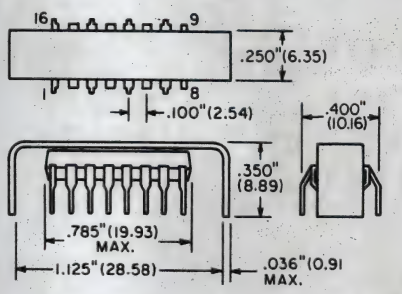
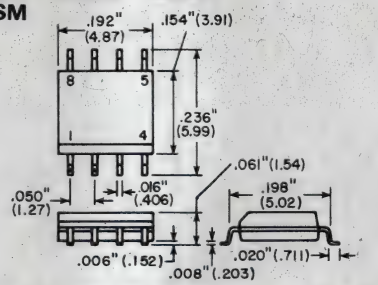


Fig. L159 — 8-Pin SOIC

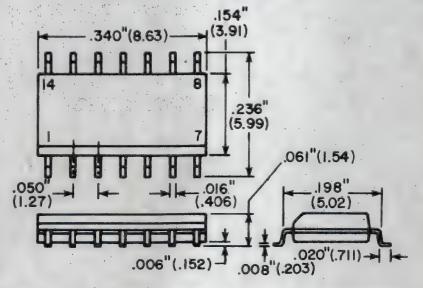
ECG
778SM 918SM 943SM
832SM 922SM 955SM
857SM 928SM 975SM
858SM 941SM 999SM
891SM



Note: Pin 1 on beveled edge

Fig. L160 — 14-Pin SOIC

ECG
834SM 948SM
859SM 978SM
927SM 987SM



Note: Pin 1 on beveled edge

Fig. L161 — SOT-89

ECG
1869M

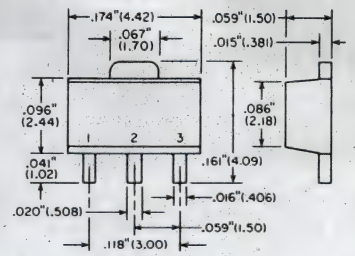
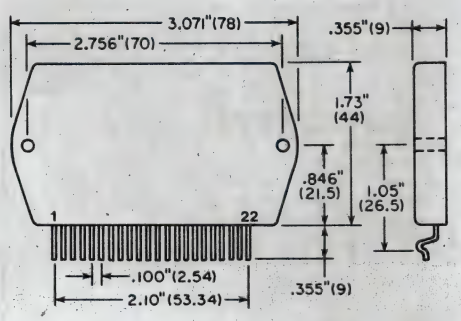


Fig. L162 — 22-Pin SIP

ECG
7029



Linear IC and Module Outlines (cont'd)

Fig. L163 TO-220M

ECG
1960
1961
1962
1963
1964
1965
1966
1967
1968
1970
1971
1972
1973
1974
1975
1976
1977

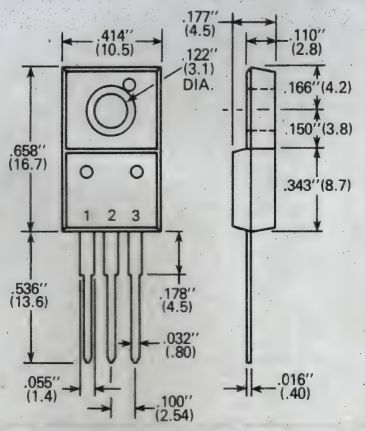


Fig. L163A TO-126

ECG
7089

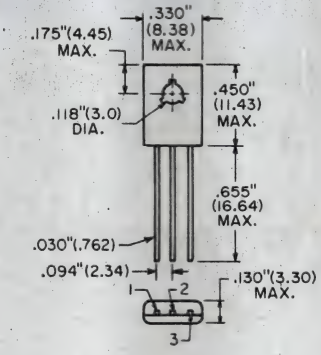


Fig. L164 12-Pin SIP

ECG
7066

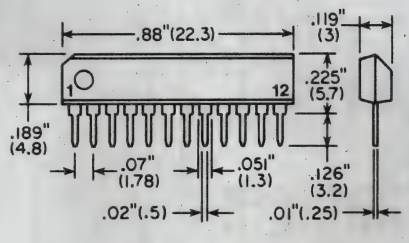


Fig. L165 12-Pin SIP

ECG
7057

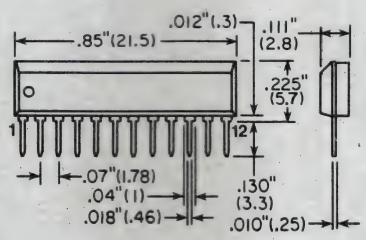


Fig. L166 17-Pin SIP

ECG
7041
7088

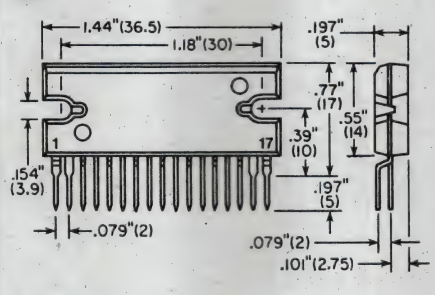


Fig. L167 15-Pin SIP

ECG
7027

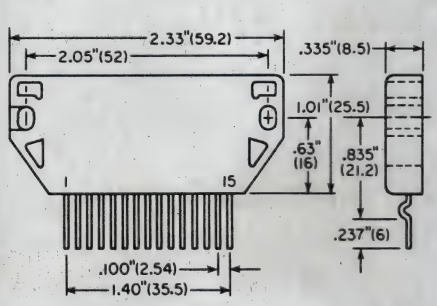


Fig. L168 15-Pin SIP

ECG
7033

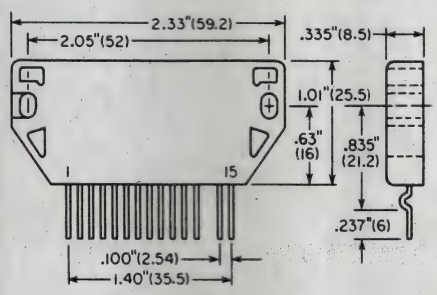


Fig. L169 16-Pin SIP

ECG
7021

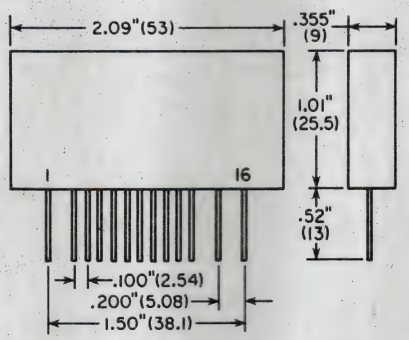


Fig. L170 16-Pin SIP

ECG
7076

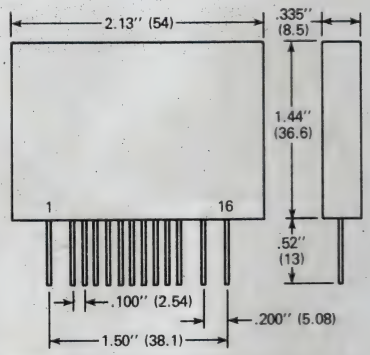


Fig. L171 9-Pin SIP-HS

ECG
7046

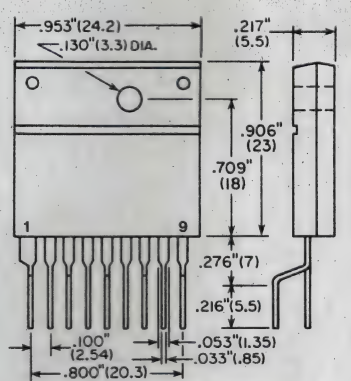


Fig. L172 9-Pin SIP-HS

ECG
7056

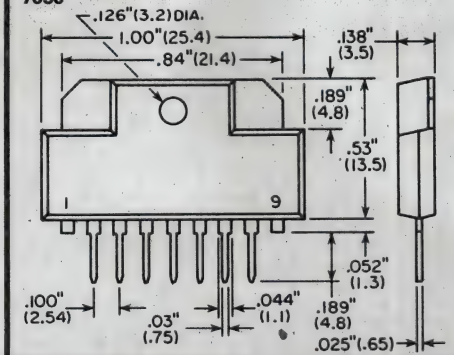
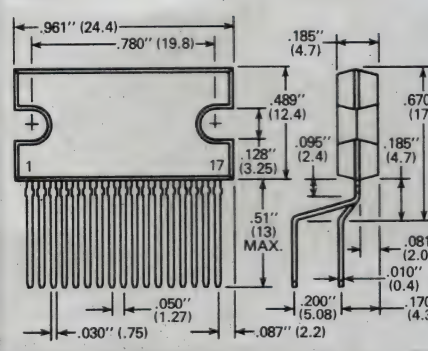


Fig. L173 17-Pin SIP

ECG
7114



N

Linear IC and Module Outlines (cont'd)

Fig. L174 14-Pin SIP-HS

ECG
7102
7103

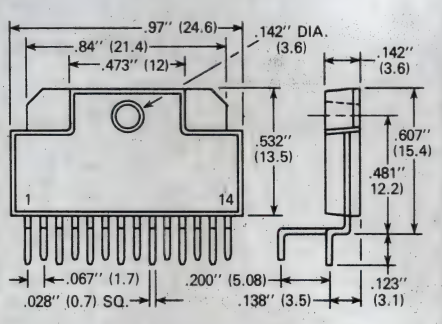
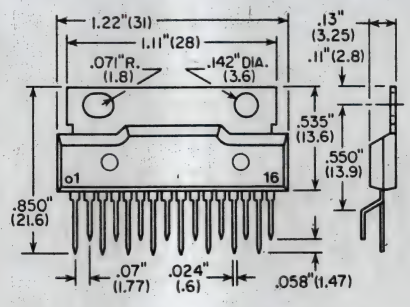


Fig. L175 16-Pin SIP-HS

ECG
7059
7113



Digital Integrated Circuits

CMOS Selector Guide

ECG No.	Description

• Analog Switches and Analog Multiplexers/ Demultiplexers

ECG4016B	Quad Bilateral Switch
ECG4051B	Single 8-Channel Multiplexer
ECG4052B	Differential Dual 4-Channel Multiplexer
ECG4053B	Triple 2-Channel Analog Multiplexer/Demultiplexer
ECG4066B	Quad Bilateral Switch
ECG4067B	16-Channel Multiplexer/Demultiplexer
ECG4097B	Differential 8-Channel Multiplexer/Demultiplexer
ECG4529B	Single 8-Channel or Dual 4-Channel Analog Data Selector
ECG4539B	Dual 4-Channel Data Selector/Multiplexer
ECG4551B	Quad 2-Input Analog Multiplexer/Demultiplexer

• Arithmetic Functions/Digital Comparators

ECG74C85	4-Bit Magnitude Comparator
ECG4008B	4-Bit Full Adder
ECG4032B	Triple Serial Adder (Positive Logic)
ECG4038B	Triple Serial Adder (Negative Logic)
ECG4063B	4-Bit Magnitude Comparator
ECG4585B	4-Bit Magnitude Comparator
ECG40085B	4-Bit Magnitude Comparator

• Buffers

Inverters and Inverting Buffers

ECG74C04	Hex Inverter
ECG74C901	Hex Inverting CMOS to TTL Interface Buffer
ECG74C903	Hex Inverting PMOS to CMOS/TTL Interface Buffer
ECG4049	Hex Buffer/Converter (Inverting)
ECG4069	Hex Inverter
ECG4502B	Strobed Hex Inverter/Buffer (3-State Output)
ECG40098B	Hex 3-State Inverting Buffer

Non-Inverting Buffers

ECG74C902	Hex Non-Inverting CMOS to TTL Interface Buffer
ECG74C904	Hex Non-Inverting PMOS to CMOS/TTL Interface Buffer
ECG4050B	Hex Buffer/Converter
ECG40097B	Hex 3-State Non-Inverting Buffer

• Counters

Binary

ECG74C93	4-Bit Binary Counter
ECG74C161	Binary Counter with Asynchronous Clear
ECG74C193	Synchronous 4-Bit Up/Down Binary Counter
ECG4020B	14-Stage Binary/Ripple Counter
ECG4024B	7-Stage Binary Counter
ECG4029B	Presettable Up/Down Counter
ECG4040B	12-Stage Binary/Ripple Counter
ECG4045B	21-Stage Counter
ECG4060B	14-Stage Ripple/Carry Binary Counter/Divider and Oscillator
ECG4516B	Presettable Binary Up/Down Counter
ECG4520B	Dual Binary Up Counter
ECG4526B	Programmable Divide-By-"N", 4-Bit Binary Counter
ECG40161B	4-Bit Binary Asynchronous Reset Counter
ECG40163B	4-Bit Binary Synchronous Reset Counter
ECG40193B	4-Bit Up/Down Synchronous Binary Counter

Decade

ECG74C90	4-Bit Decade Counter
ECG74C192	Synchronous 4-Bit Up/Down Decade Counter
ECG4017B	Decade Counter/Divider
ECG40160B	4-Bit Decade Asynchronous Reset Counter
ECG40162B	4-Bit Decade Synchronous Reset Counter
ECG40192B	Synchronous 4-Bit Up/Down Decade Counter

ECG No.	Description

Other

ECG74C925	4-Digit Counter with Multiplexed 7-Segment Output Driver
ECG4018B	Presettable Divide-By-"N" Counter
ECG4022B	Counter/Divider
ECG4089B	Binary Rate Multiplier
ECG4510B	Presettable BCD Up/Down Counter
ECG4518B	Dual BCD Up Counter
ECG4522B	BCD-Programmable Divide-By-"N", 4-Bit Counter
ECG4527B	BCD Multiplier
ECG4553B	3-Digit BCD Counter
ECG4568B	Phase Comparator and Programmable Counter
ECG4569B	Programmable Divide-By-"N" Dual 4-Bit BCD/Binary Counter

• Decoders

Decoders/Display Drivers

ECG4026B	Decade Counter/Divider/Decoder for 7-Segment Display
ECG4033B	HV Counter/Divider, Decoded 7-Segment Display Output
ECG4055B	BCD-to-7-Segment Decoder/Driver
ECG4056B	BCD-to-7-Segment Decoder/Driver with Strobed Latch
ECG4511B	BCD-to-7-Segment Latch Decoder/Driver
ECG4513B	BCD-to-7-Segment Latch/Decoder/Driver with Ripple Blanking
ECG4543B	BCD-7-Segment Latch/Decoder/Driver for LCD
ECG4547B	BCD-7-Segment Latch/Decoder/Driver, Hi Current

Decoders/Multiplexers/Demultiplexers

ECG74C42	BCD-to-Decimal Decoder
ECG74C48	BCD-to-7-Segment Decoder
ECG74C151	8-Channel Digital Multiplexer
ECG74C154	4-Line-to-16-Line Decoder/Demultiplexer
ECG74C157	Quad 2-Input Multiplexer
ECG4028B	BCD-to-Decimal Decoder
ECG4512B	8-Input Multiplexer (3-State Output)
ECG4514B	4-Bit Latch/4-to-16-Line Decoder
ECG4515B	4-Bit Latch/4-to-16-Line Decoder
ECG4555B	Dual Binary to 1-of-4 Decoder/Demultiplexer (High-On-Select)
ECG4556B	Dual Binary to 1-of-4 Decoder/Demultiplexer (Low-On-Select)
ECG4558B	BCD-to-7-Segment Decoder

• Flip-Flops

ECG74C73	Dual J-K Flip-Flop with Clear
ECG74C74	Dual "D" Flip-Flop
ECG74C76	Dual J-K Flip-Flop with Clear and Preset
ECG74C107	Dual J-K Flip-Flop with Clear
ECG74C173	Quad "D" Flip-Flop
ECG74C174	Hex "D" Flip-Flop
ECG74C175	Quad "D" Flip-Flop
ECG74C374	Octal "D" Flip-Flop with Common Enable, 3-State Output
ECG4013B	Dual "D" Flip-Flop with Set/Reset
ECG4027B	Dual J-K M/S Flip-Flop
ECG4095B	Gated J-K Flip-Flop with Non-Inverting J and K Inputs
ECG4096B	Gated J-K Flip-Flop with Inverting and Non-Inverting J and K Inputs
ECG40174B	Hex "D" Flip-Flop
ECG40175B	Quad "D" Flip-Flop

CMOS Selector Guide (cont'd)

ECG No.	Description

● Gates

AND

ECG74C08	Quad 2-Input AND Gate
ECG4073B	Triple 3-Input AND Gate
ECG4081B	Quad 2-Input AND Gate
ECG4082B	Dual 4-Input AND Gate

NAND

ECG74C00	Quad 2-Input NAND Gate
ECG74C10	Triple 3-Input NAND Gate
ECG74C20	Dual 4-Input NAND Gate
ECG74C30	8-Input NAND Gate
ECG4011B	Quad 2-Input NAND Gate
ECG4012B	Dual 4-Input NAND Gate
ECG4023B	Triple 3-Input NAND Gate
ECG4068B	8-Input NAND Gate

NOR

ECG74C02	Quad 2-Input NOR Gate
ECG4000	Dual 3-Input NOR Gate
ECG4001B	Quad 2-Input NOR Gate
ECG4002B	Dual 4-Input NOR Gate
ECG4025B	Triple 3-Input NOR Gate
ECG4078B	8-Input NOR Gate

Exclusive OR

ECG4030B	Quad 2-Input Exclusive OR Gate
ECG4070B	Quad 2-Input Exclusive OR Gate

OR

ECG74C32	Quad 2-Input OR Gate
ECG4071B	Quad 2-Input OR Gate
ECG4072B	Dual 4-Input OR Gate
ECG4075B	Triple 3-Input OR Gate

● Keyboard Encoders

ECG74C922	16-Key Keyboard Encoder with 3-State Output
ECG74C923	20-Key Keyboard Encoder with 3-State Output

● Line Drivers and Line Receivers

ECG74C240	Octal Buffer/Line Driver with Inverting 3-State Outputs
ECG74C244	Octal Buffer/Line Driver with Non-Inverting 3-State Outputs

● Multivibrators/One Shots/PLLs

ECG74C221	Dual Monostable Multivibrator
ECG4046B	Phase Locked Loop
ECG4047B	Monostable/Astable Multivibrator
ECG4098B	Dual Monostable Multivibrator
ECG4521B	24-Stage Frequency Divider
ECG4528B	Dual Monostable Multivibrator
ECG4536B	Programmable Timer
ECG4538B	Dual Precision Monostable Multivibrator
ECG4541B	Programmable Oscillator/Timer
ECG4566B	Industrial Time Base Generator

ECG No.	Description

● Registers

Latches and Registers

ECG74C373	Octal "D" Transparent Latch, 3-State Output
ECG4042B	Quad-Clocked "D" Latch
ECG4043B	Quad 3-State R/S Latch (NOR)
ECG4044B	Quad 3-State R/S Latch (NAND)
ECG4076B	4-Bit "D" Type Register (3-State Output)
ECG4099B	8-Bit Addressable Latch
ECG4508B	Dual 4-Bit Latch
ECG4597B	8-Bit Bus Compatible 3-State Latch with Internal Counter
ECG4598B	8-Bit Bus Compatible 3-State Latch with Binary Address Decoder

Shift

ECG74C95	4-Bit Right-Shift Left-Shift Register
ECG74C164	8-Bit Parallel-Out Serial Shift Register
ECG4006B	18-Stage Static Shift Register
ECG4014B	8-Stage Static Shift Register
ECG4015B	Dual 4-Stage Static-Shift Register
ECG4021B	8-Stage Serial to Parallel Shift Register
ECG4031B	64-Stage Static Shift Register
ECG4034B	8-Stage Static Bidirectional Parallel/Serial Input/Output Bus Register
ECG4035B	4-Stage Parallel In/Parallel Out Shift Register
ECG4094B	8-Stage Shift and Store Register (3-State Output)
ECG4517B	Dual 64-Bit Static Shift Register
ECG4562B	128-Bit Static Shift Register
ECG40100B	32-Stage Static Left/Right Shift Register
ECG40194B	4-Bit Right/Left Shift Register
ECG40195B	4-Bit Shift Register

● Schmitt Triggers

ECG74C14	Hex Schmitt Trigger
ECG4093B	Quad 2-Input NAND Schmitt Trigger
ECG4583B	Dual Schmitt Trigger
ECG40106B	Hex Schmitt Trigger

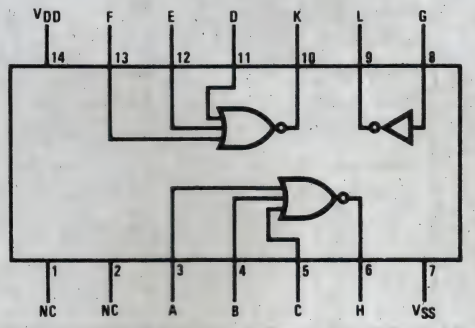
● Special Functions

ECG4007	Dual Complementary Pair with Inverter
ECG4019B	Quad AND/OR Select Gate
ECG4041	HV Quad True/Complement Buffer
ECG4048B	HV Multifunction Expandable 8-Input Gate (3-State Output)
ECG4077B	Quad Exclusive NOR Gate
ECG4085B	Dual 2-Wide 2-Input AND/OR Gate
ECG4086B	Expandable 4-Wide 2-Input AND/OR Invert Gate
ECG4501	Dual 4-Input NAND, 2-Input OR/NOR, 8-Input AND/NAND Multifunction Gate
ECG4506B	Dual Expandable AND/OR/Invert Gate
ECG4531B	12-Bit Parity Tree
ECG4532B	8-Bit Priority Encoder
ECG4582B	Look-Ahead Carry Block (Use ECG40182B for Replacement)
ECG40182B	Look-Ahead Carry Generator

CMOS (74C and 80C Series CMOS included with TTL starting on Page1-310)

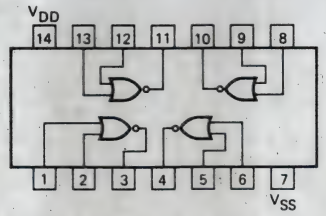
ECG4000 14-Pin DIP See Fig. D6

Dual 3-Input NOR Gate Plus Inverter,
V_{DD} = 3 V to 15 V



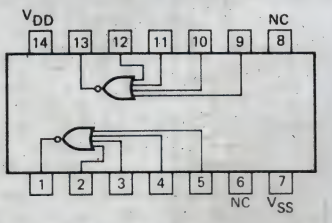
ECG4001B 14-Pin DIP See Fig. D6

Quad 2-Input NOR Gate,
V_{DD} = 3 V to 15 V



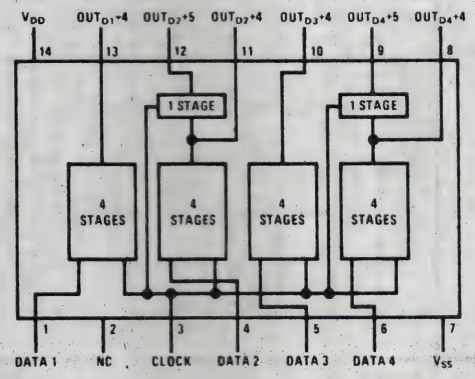
ECG4002B 14-Pin DIP See Fig. D6

Dual 4-Input NOR Gate,
V_{DD} = 3 V to 15 V



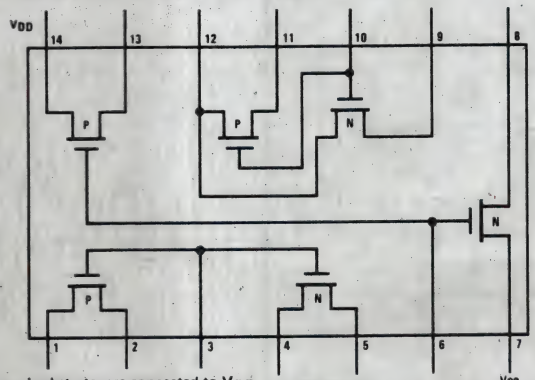
ECG4006B 14-Pin DIP See Fig. D6

18-Stage Static Shift Register,
V_{DD} = 3 V to 15 V



ECG4007 14-Pin DIP See Fig. D6

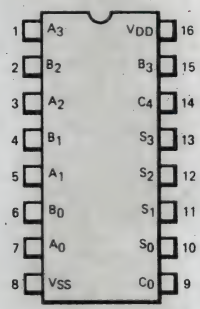
Dual Complementary Pair with Inverter, V_{DD} = 3 V to 15 V



Note: All P-channel substrates are connected to V_{DD} and all N-channel substrates are connected to V_{SS}.

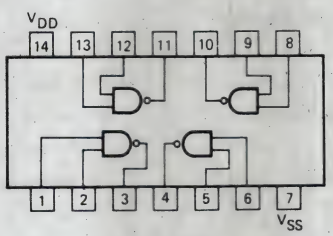
ECG4008B 16-Pin DIP See Fig. D8

4-Bit Full Adder, V_{DD} = 3 V to 15 V



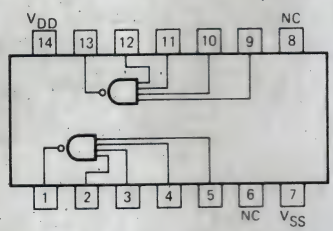
ECG4011B 14-Pin DIP See Fig. D6

Quad 2-Input NAND Gate, V_{DD} = 3 V to 15 V



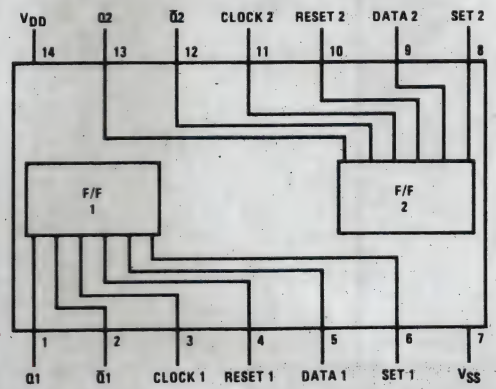
ECG4012B 14-Pin DIP See Fig. D6

Dual 4-Input NAND Gate, V_{DD} = 3 V to 15 V



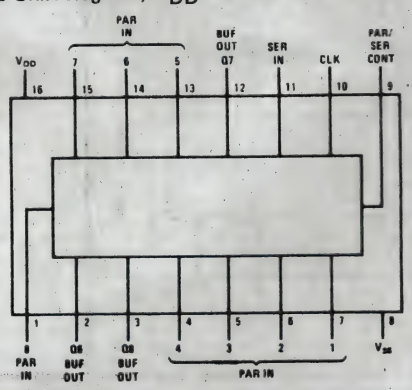
ECG4013B 14-Pin DIP See Fig. D6

Dual "D" Flip-Flop with Set/Reset, V_{DD} = 3 V to 15 V



ECG4014B 16-Pin DIP See Fig. D8

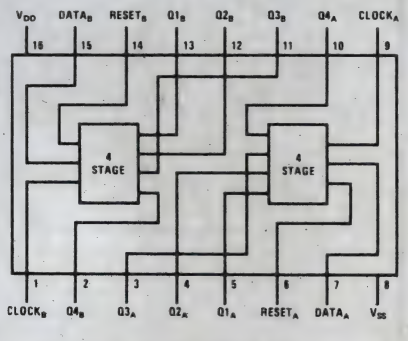
8-Stage Static Shift Register, V_{DD} = 3 V to 15 V



CMOS (cont'd)

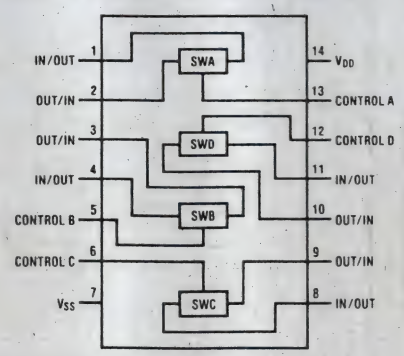
ECG4015B 16-Pin DIP See Fig. D8

Dual 4-Stage Static Shift Register, V_{DD} = 3 V to 15 V



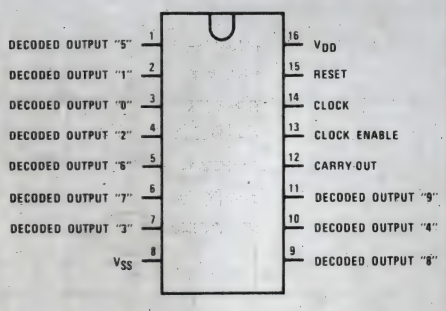
ECG4016B 14-Pin DIP See Fig. D6

Quad Bilateral Switch, V_{DD} = 3 V to 15 V



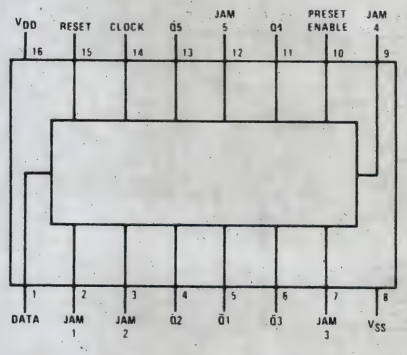
ECG4017B 16-Pin DIP See Fig. D8

Decade Counter/Divider, V_{DD} = 3 V to 15 V



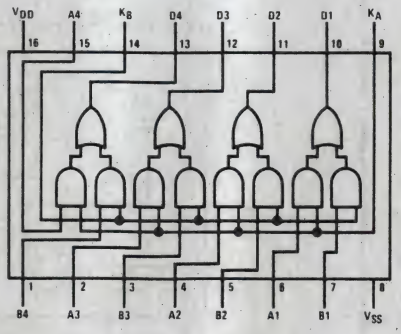
ECG4018B 16-Pin DIP See Fig. D8

Presettable Divide-by-"N" Counter, V_{DD} = 3 V to 15 V



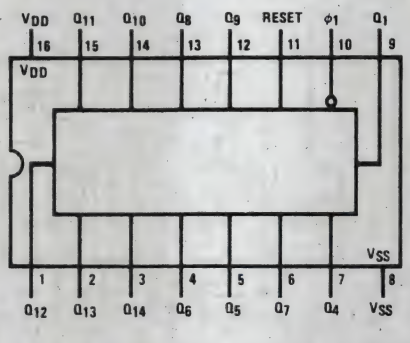
ECG4019B 16-Pin DIP See Fig. D8

Quad AND/OR Select Gate, V_{DD} = 3 V to 15 V



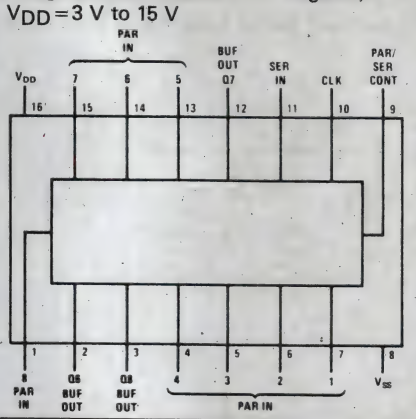
ECG4020B 16-Pin DIP See Fig. D8

14-Stage Binary/Ripple Counter, V_{DD} = 3 V to 15 V



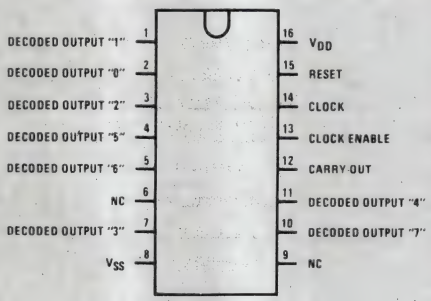
ECG4021B 16-Pin DIP See Fig. D8

8-Stage Serial to Parallel Shift Register, V_{DD} = 3 V to 15 V



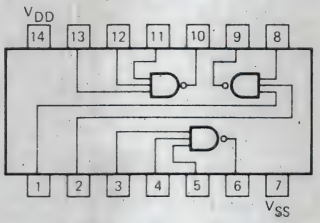
ECG4022B 16-Pin DIP See Fig. D8

Counter/Divider, V_{DD} = 3 V to 15 V



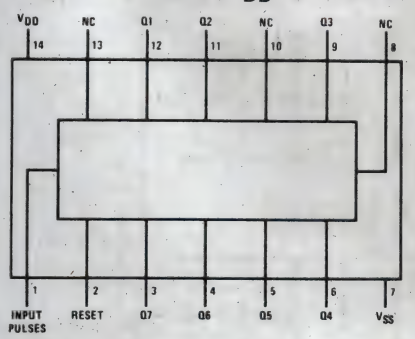
ECG4023B 14-Pin DIP See Fig. D6

Triple 3-Input NAND Gate, V_{DD} = 3 V to 15 V



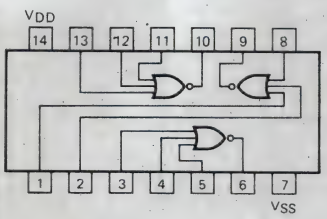
ECG4024B 14-Pin DIP See Fig. D6

7-Stage Binary Counter, V_{DD} = 3 V to 15 V



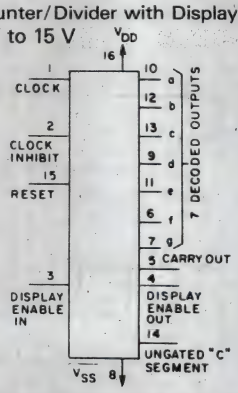
ECG4025B 14-Pin DIP See Fig. D6

Triple 3-Input NOR Gate, V_{DD} = 3 V to 15 V



ECG4026B 16-Pin DIP See Fig. D8

Decade Counter/Divider with Display Enable, V_{DD} = 3 V to 15 V

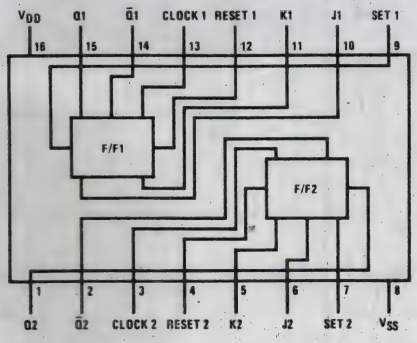


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CMOS (cont'd)

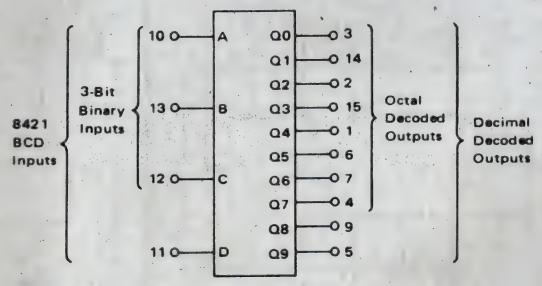
ECG4027B 16-Pin DIP See Fig. D8

Dual J-K Master-Slave Flip-Flop, V_{DD} = 3 V to 15 V



ECG4028B 16-Pin DIP See Fig. D8

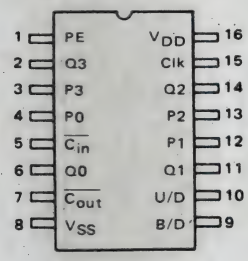
BCD-to-Decimal Decoder, V_{DD} = 3 V to 15 V



V_{DD} = Pin 16
V_{SS} = Pin 8

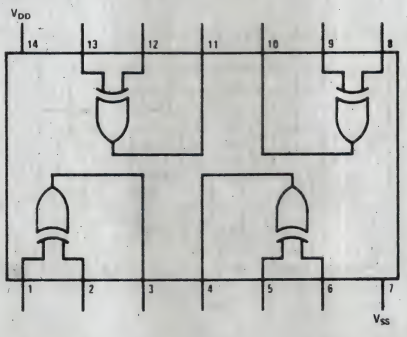
ECG4029B 16-Pin DIP See Fig. D8

Presettable Up/Down Counter, V_{DD} = 3 V to 15 V



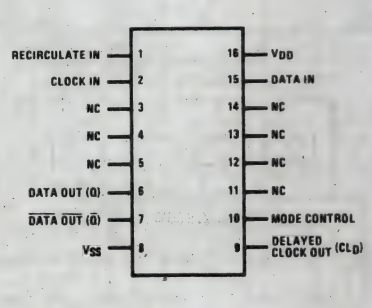
ECG4030B 14-Pin DIP See Fig. D6

Quad Exclusive OR Gate, V_{DD} = 3 V to 15 V



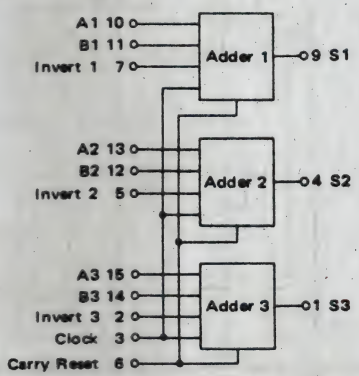
ECG4031B 16-Pin DIP See Fig. D8

64-Stage Static Shift Register, V_{DD} = 3 V to 15 V



ECG4032B—Positive Logic
ECG4038B—Negative Logic
16-Pin DIP See Fig. D8

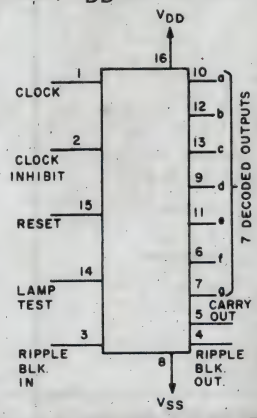
Triple Serial Adders, V_{DD} = 3 V to 15 V



V_{DD} = Pin 16
V_{SS} = Pin 8

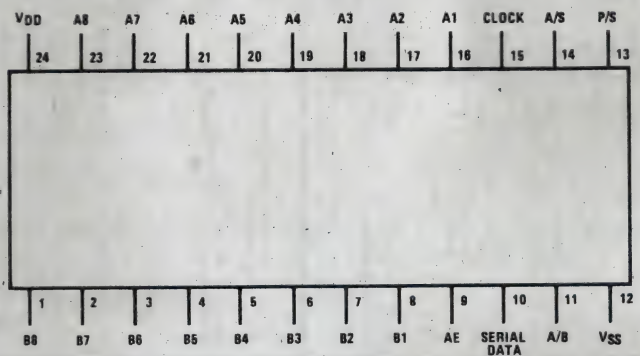
ECG4033B 16-Pin DIP See Fig. D8

Decade Counter/Divider, V_{DD} = 3 V to 15 V



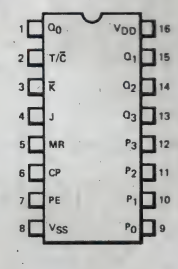
ECG4034B 24-Pin DIP See Fig. D15

8-Stage Static Bi-Directional Parallel/Serial Input/Output Bus Register, V_{DD} = 3 V to 15 V



ECG4035B 16-Pin DIP See Fig. D8

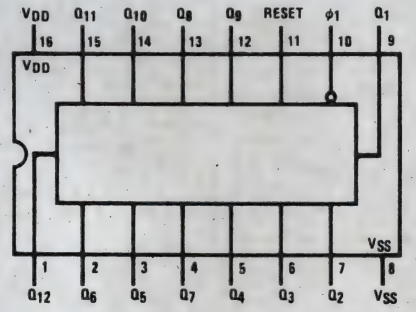
4-Stage Parallel In/Parallel Out Shift Register, V_{DD} = 3 V to 15 V



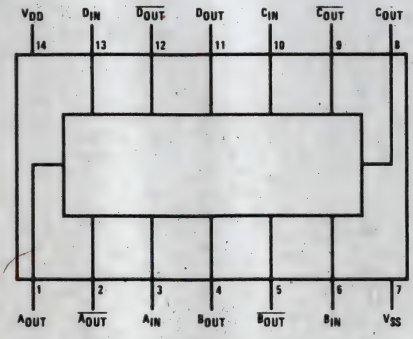
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CMOS (cont'd)

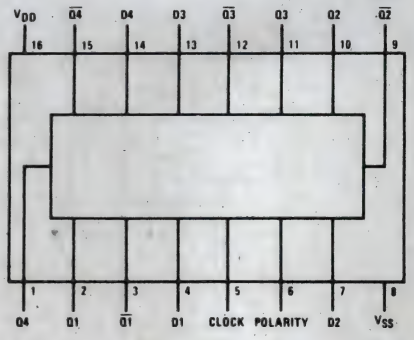
ECG4040B 16-Pin DIP See Fig. D8
12-Stage Binary/Ripple Counter,
V_{DD} = 3 V to 15 V



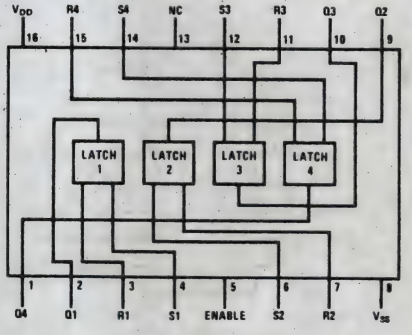
ECG4041 14-Pin DIP See Fig. D6
Quad True/Complement Buffer,
V_{DD} = 3 V to 15 V



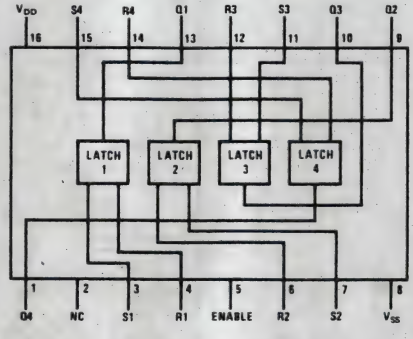
ECG4042B 16-Pin DIP See Fig. D8
Quad-Clocked "D" Latch,
V_{DD} = 3 V to 15 V



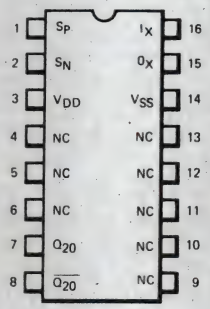
ECG4043B 16-Pin DIP See Fig. D8
Quad 3-State NOR R/S Latch,
V_{DD} = 3 V to 15 V



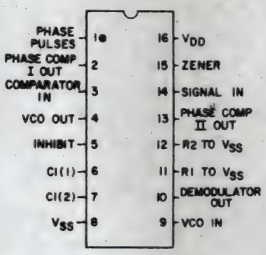
ECG4044B 16-Pin DIP See Fig. D8
Quad 3-State NAND R/S Latch,
V_{DD} = 3 V to 15 V



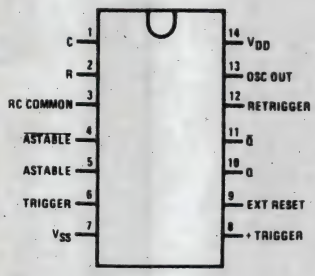
ECG4045B 16-Pin DIP See Fig. D8
21-Stage Counter, V_{DD} = 3 V to 15 V



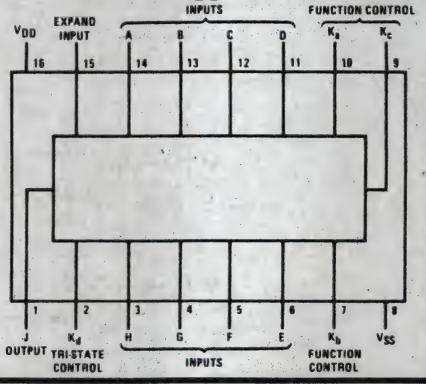
ECG4046B 16-Pin DIP See Fig. D8
CMOS-Phase Locked Loop,
V_{DD} = 3 V to 15 V



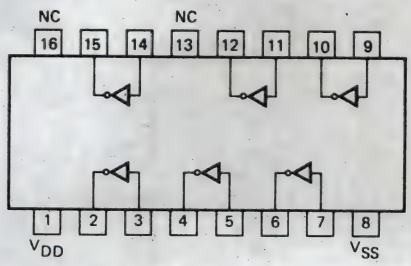
ECG4047B 14-Pin DIP See Fig. D6
Monostable/Astable Multivibrator,
V_{DD} = 3 V to 15 V



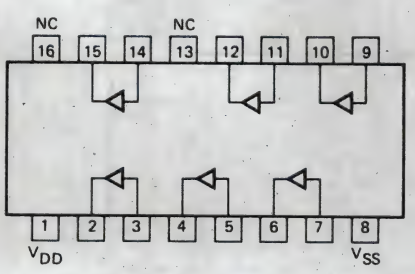
ECG4048B 16-Pin DIP See Fig. D8
Multifunction Expandable 8-Input Gate
(3-State Output), V_{DD} = 3 V to 15 V



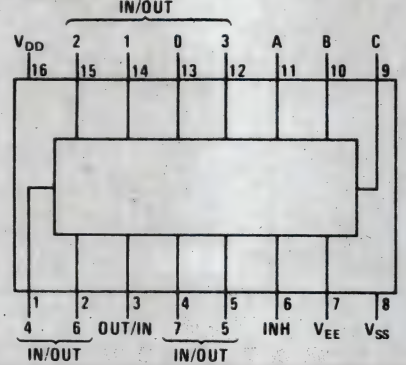
ECG4049 16-Pin DIP See Fig. D8
Hex Buffer/Converter (Inverting),
V_{DD} = 3 V to 15 V



ECG4050B 16-Pin DIP See Fig. D8
Hex Buffer/Converter (Non-Inverting),
V_{DD} = 3 V to 15 V



ECG4051B 16-Pin DIP See Fig. D8
Single 8-Channel Multiplexer,
V_{DD} = 3 V to 15 V

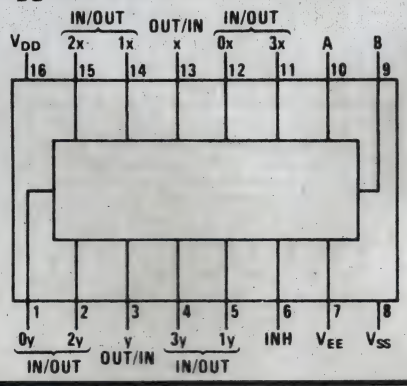


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CMOS (cont'd)

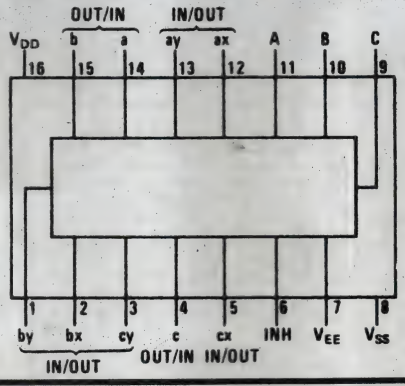
ECG4052B 16-Pin DIP See Fig. D8

Differential Dual 4-Channel Multiplexer, V_{DD} = 3 V to 15 V



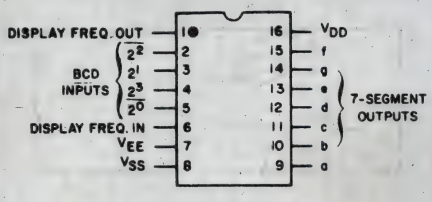
ECG4053B 16-Pin DIP See Fig. D8

Triple 2-Channel Analog Multiplexer, V_{DD} = 3 V to 15 V



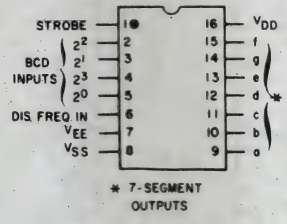
ECG4055B 16-Pin DIP See Fig. D8

BCD-to-7-Segment Decoder/Driver, V_{DD} = 3 V to 15 V



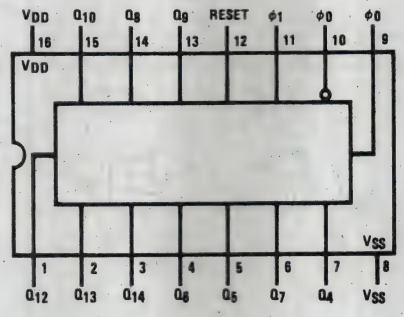
ECG4056B 16-Pin DIP See Fig. D8

BCD-to-7 Segment LCD Decoder/Driver with Strobe Latch, V_{DD} = 3 V to 15 V



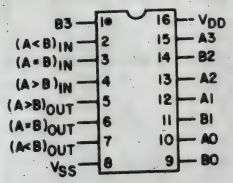
ECG4060B 16-Pin DIP See Fig. D8

14-Stage Ripple-Carry Binary Counter/ Divider and Oscillator, V_{DD} = 3 V to 15 V



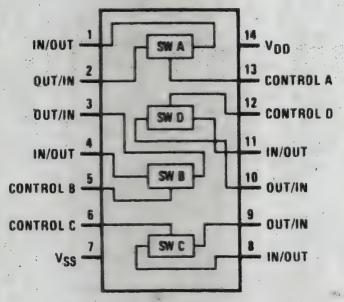
ECG4063B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 15 V



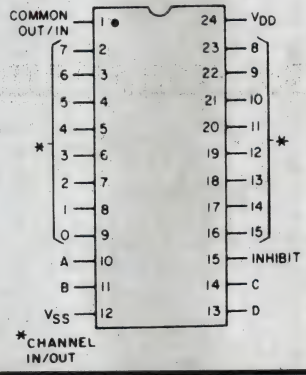
ECG4066B 14-Pin DIP See Fig. D6

Quad Bilateral Switch, V_{DD} = 3 V to 15 V



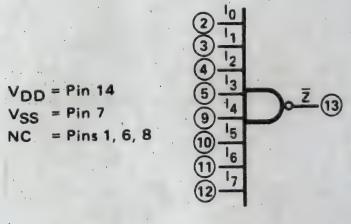
ECG4067B 24-Pin DIP See Fig. D15

16-Channel Multiplexer/Demultiplexer, V_{DD} = 3 V to 15 V



ECG4068B 14-Pin DIP See Fig. D6

8-Input NAND Gate, V_{DD} = 3 V to 15 V

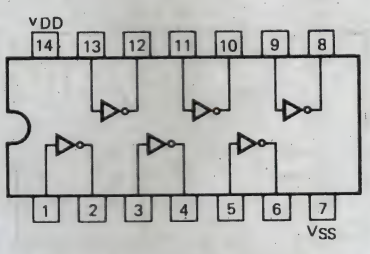


I_0-I_7 NAND Gate Inputs

$\overline{Z}$ Output (Active LOW)

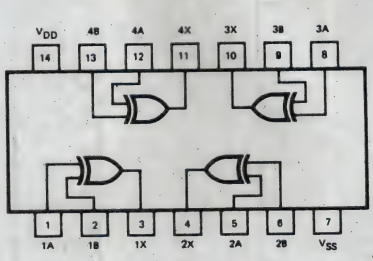
ECG4069 14-Pin DIP See Fig. D6

Hex Inverter, V_{DD} = 3 V to 15 V



ECG4070B 14-Pin DIP See Fig. D6

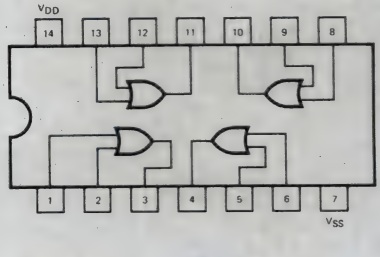
Quad Exclusive OR Gate, V_{DD} = 3 V to 15 V



$X = \overline{A}B + A\overline{B}$

ECG4071B 14-Pin DIP See Fig. D6

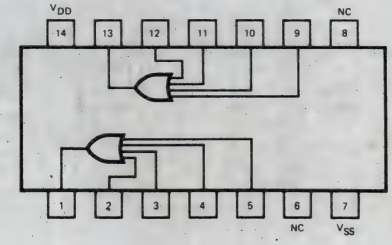
Quad 2-Input OR Gate, V_{DD} = 3 V to 15 V



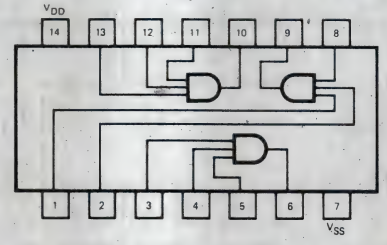
Package Outlines - See Page 1-357

CMOS (cont'd)

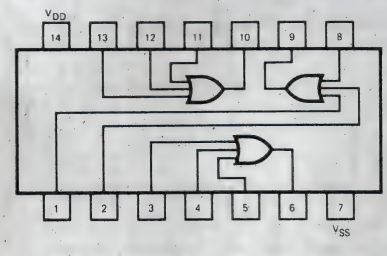
ECG4072B 14-Pin DIP See Fig. D6
Dual 4-Input OR Gate, V_{DD} = 3 V to 15 V



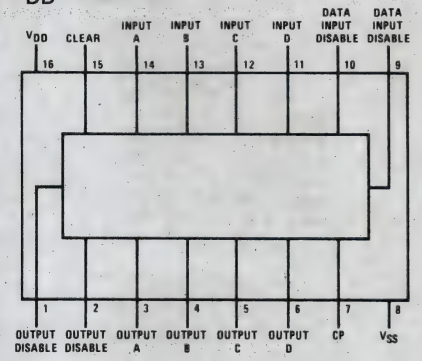
ECG4073B 14-Pin DIP See Fig. D6
Triple 3-Input AND Gate, V_{DD} = 3 V to 15 V



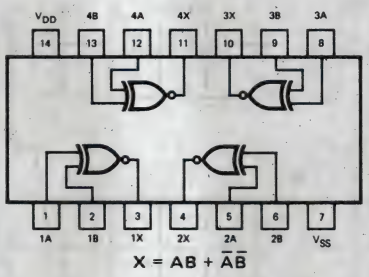
ECG4075B 14-Pin DIP See Fig. D6
Triple 3-Input OR Gate, V_{DD} = 3 V to 15 V



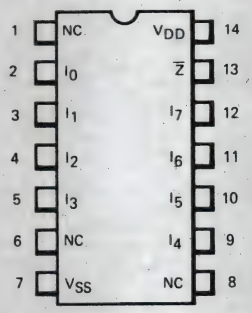
ECG4076B 16-Pin DIP See Fig. D8
4-Bit "D" Type Register (Tri-State Output), V_{DD} = 3 V to 15 V



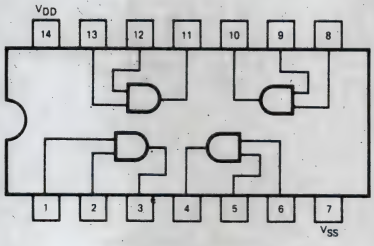
ECG4077B 14-Pin DIP See Fig. D6
Quad Exclusive NOR Gate, V_{DD} = 3 V to 15 V



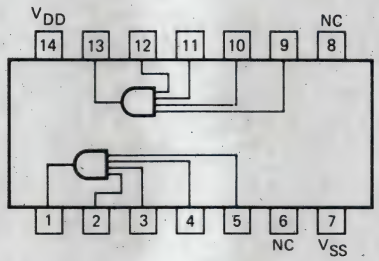
ECG4078B 14-Pin DIP See Fig. D6
8-Input NOR Gate, V_{DD} = 3 V to 15 V



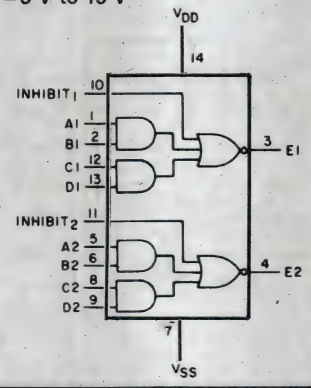
ECG4081B 14-Pin DIP See Fig. D6
Quad 2-Input AND Gate, V_{DD} = 3 V to 15 V



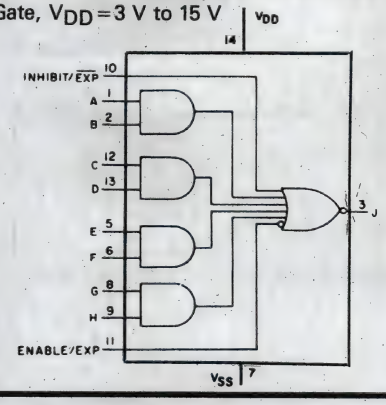
ECG4082B 14-Pin DIP See Fig. D6
Dual 4-Input AND Gate, V_{DD} = 3 V to 15 V



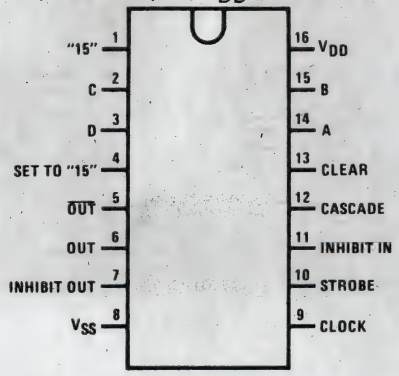
ECG4085B 14-Pin DIP See Fig. D6
Dual 2-Wide 2-Input AND/OR Invert Gate, V_{DD} = 3 V to 15 V



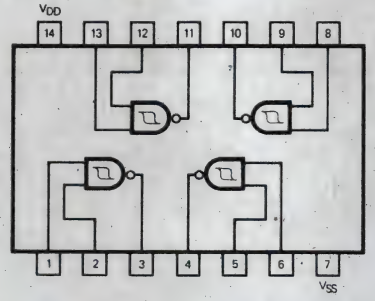
ECG4086B 14-Pin DIP See Fig. D6
Expandable 4-Wide 2-Input AND/OR Invert Gate, V_{DD} = 3 V to 15 V



ECG4089B 16-Pin DIP See Fig. D8
Binary Rate Multiplier, V_{DD} = 3 V to 15 V



ECG4093B 14-Pin DIP See Fig. D6
Quad 2-Input NAND Schmitt Trigger, V_{DD} = 3 V to 15 V

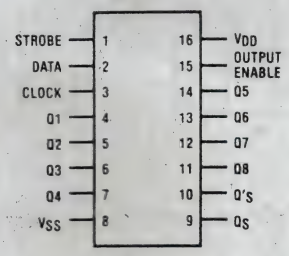


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CMOS (cont'd)

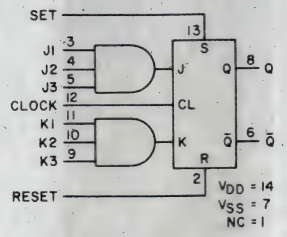
ECG4094B 16-Pin DIP See Fig. D8

8-Stage Shift and Store Bus Register (3-State Output), V_{DD} = 3 V to 15 V



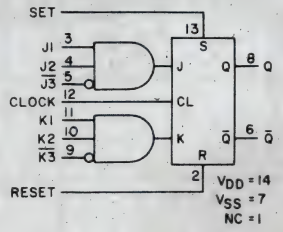
ECG4095B 14-Pin DIP See Fig. D6

J-K Flip-Flop with Non-Inverting J and K Inputs, V_{DD} = 3 V to 15 V



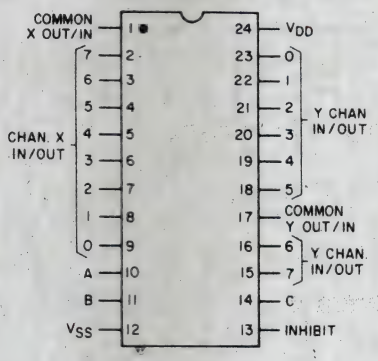
ECG4096B 14-Pin DIP See Fig. D6

J-K Flip-Flop with Inverting and Non-Inverting Inputs, V_{DD} = 3 V to 15 V



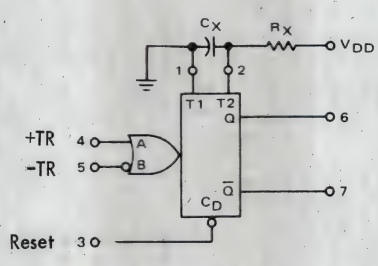
ECG4097B 24-Pin DIP See Fig. D15

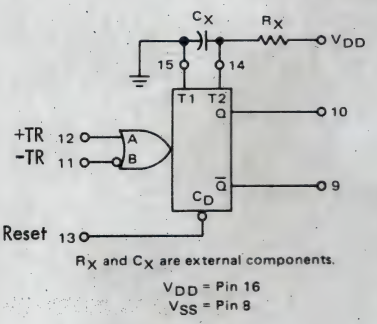
Differential 8-Channel Multiplexer/ Demultiplexer, V_{DD} = 3 V to 15 V



ECG4098B 16-Pin DIP See Fig. D8

Dual Monostable Multivibrator, V_{DD} = 3 V to 15 V



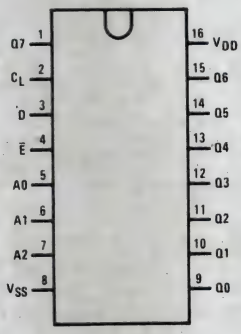


RX and CX are external components.

VDD = Pin 16
VSS = Pin 8

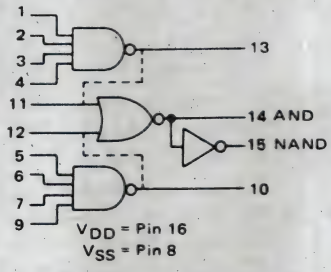
ECG4099B 16-Pin DIP See Fig. D8

8-Bit Addressable Latch, V_{DD} = 3 V to 15 V



ECG4501 16-Pin DIP See Fig. D8

Multifunction Gate, V_{DD} = 3 V to 18 V



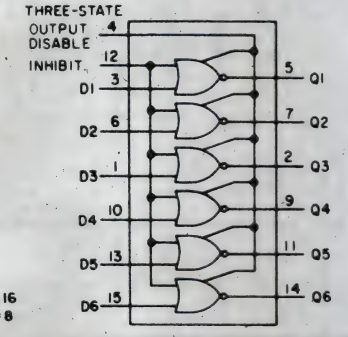
VDD = Pin 16
VSS = Pin 8

Use Dotted Connection Externally to Obtain 8-Input AND/NAND

Note: Pin 14 must not be used as an input to the inverter.

ECG4502B 16-Pin DIP See Fig. D8

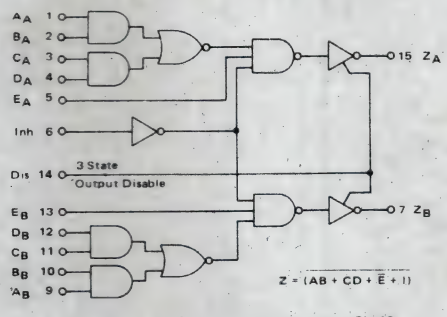
Strobed Hex Inverter/Buffer, (3-State Output), V_{DD} = 3 V to 18 V



VDD = 16
VSS = 8

ECG4506B 16-Pin DIP See Fig. D8

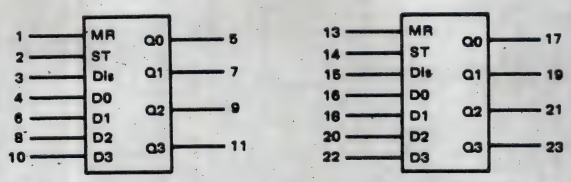
Dual Expandable AND/OR/Invert (AOI) Gate, V_{DD} = 3 V to 18 V



VDD = Pin 16
VSS = Pin 8

ECG4508B 24-Pin DIP See Fig. D14

Dual 4-Bit Latch, V_{DD} = 3 V to 18 V



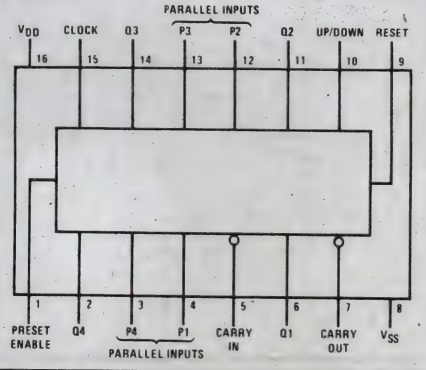
VDD = Pin 24
VSS = Pin 12

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CMOS (cont'd)

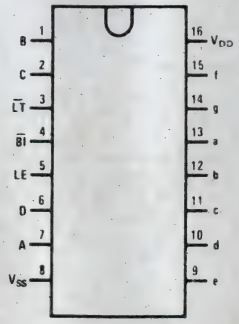
ECG4510B 16-Pin DIP See Fig. D8

Presettable BCD Up/Down Counter, V_{DD} = 3 V to 15 V



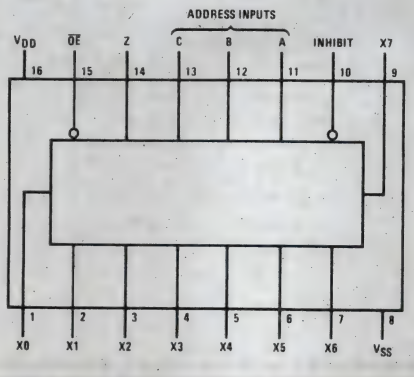
ECG4511B 16-Pin DIP See Fig. D8

BCD-to-7 Segment Latch Decoder/Driver, V_{DD} = 3 V to 15 V



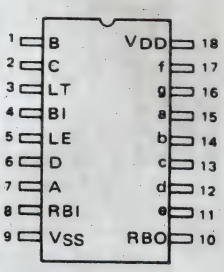
ECG4512B 16-Pin DIP See Fig. D8

8-Input Multiplexer with 3-State Outputs, V_{DD} = 3 V to 15 V



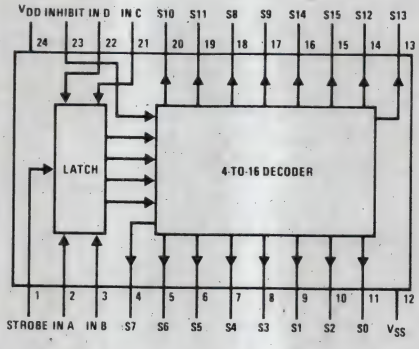
ECG4513B 18-Pin DIP See Fig. D11

BCD-to-7 Segment Latch/Decoder/Driver, V_{DD} = 3 V to 18 V



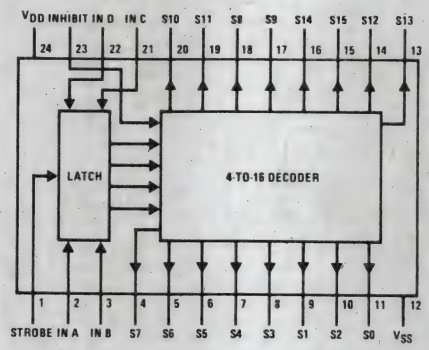
ECG4514B 24-Pin DIP See Fig. D15

4-Bit Latch/4-to-16 Line Decoder (Active High), V_{DD} = 3 V to 15 V



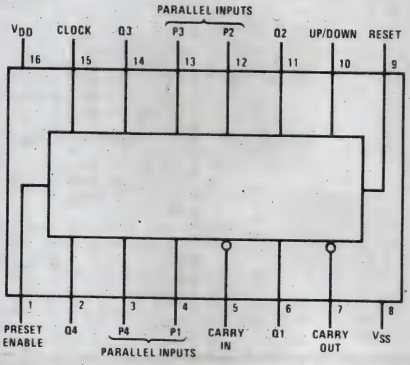
ECG4515B 24-Pin DIP See Fig. D15

4-Bit Latch/4-to-16 Line Decoder (Active Low), V_{DD} = 3 V to 15 V



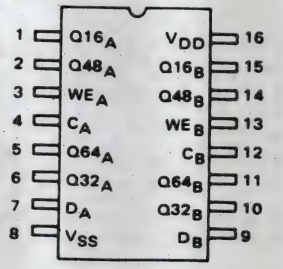
ECG4516B 16-Pin DIP See Fig. D8

Presettable Binary Up/Down Counter, V_{DD} = 3 V to 15 V



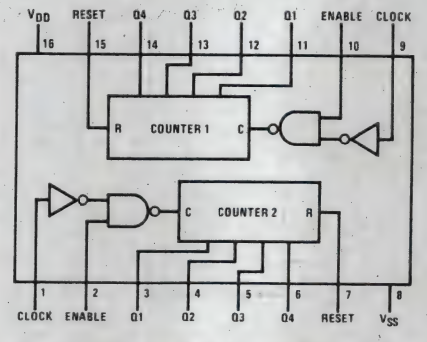
ECG4517B 16-Pin DIP See Fig. D8

Dual 64-Bit Static Shift Register, V_{DD} = 3 V to 18 V



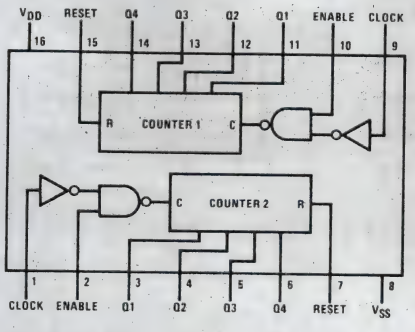
ECG4518B 16-Pin DIP See Fig. D8

Dual BCD Up Counter, V_{DD} = 3 V to 15 V



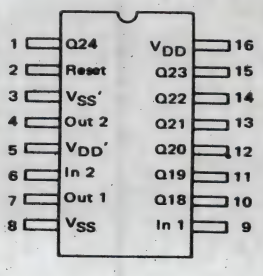
ECG4520B 16-Pin DIP See Fig. D8

Dual Binary Up Counter V_{DD} = 3 V to 15 V



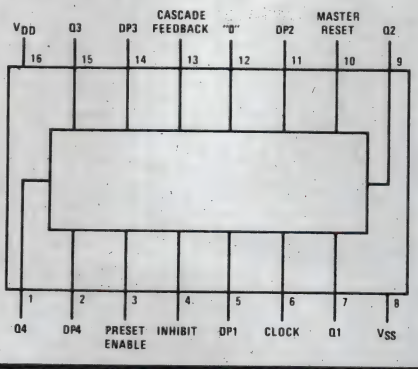
ECG4521B 16-Pin DIP See Fig. D8

24-Stage Frequency Divider, V_{DD} = 3 V to 18 V



ECG4522B 16-Pin DIP See Fig. D8

BCD-Programmable Divide-by-"N", 4-Bit Counter, V_{DD} = 3 V to 18 V

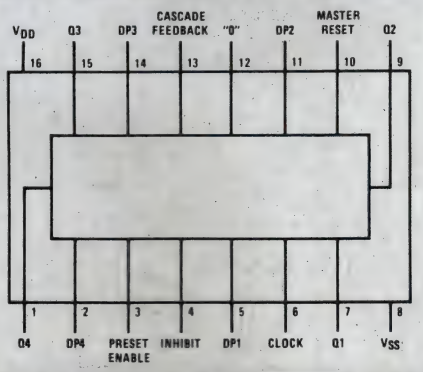


Package Outlines - See Page 1-357

CMOS (cont'd)

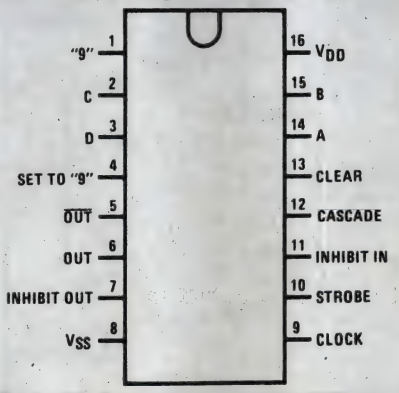
ECG4526B 16-Pin DIP See Fig. D8

Programmable Divide-by-"N", 4-Bit Counter (Binary), V_{DD} = 3 V to 18 V



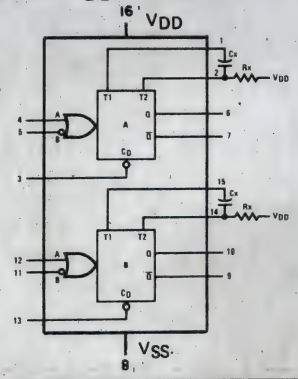
ECG4527B 16-Pin DIP See Fig. D8

BCD Multiplier, V_{DD} = 3 V to 15 V



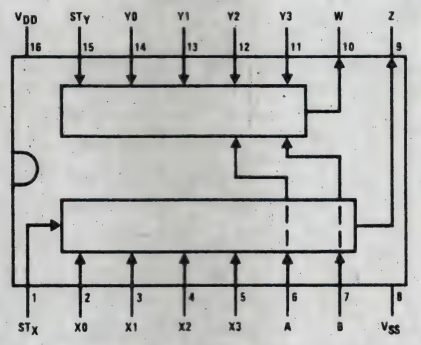
ECG4528B 16-Pin DIP See Fig. D8

Dual Retriggerable/Resettable Monostable Multivibrator, V_{DD} = 3 V to 18 V



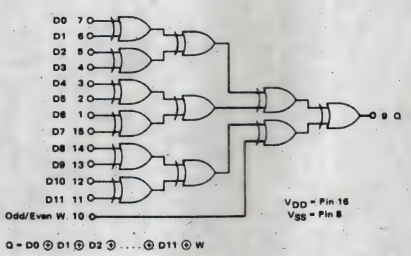
ECG4529B 16-Pin DIP See Fig. D8

Dual 4-Channel Analog Data Selector, V_{DD} = 3 V to 15 V



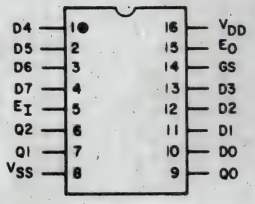
ECG4531B 16-Pin DIP See Fig. D8

12-Bit Parity Tree, V_{DD} = 3 V to 18 V



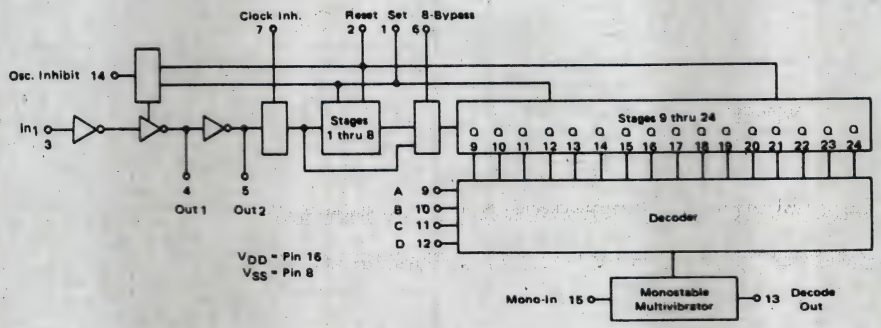
ECG4532B 16-Pin DIP See Fig. D8

8-Bit Priority Encoder, V_{DD} = 3 V to 18 V



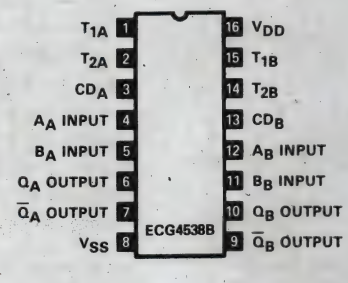
ECG4536B 16-Pin DIP See Fig. D8

Programmable Timer, V_{DD} = 3 V to 18 V



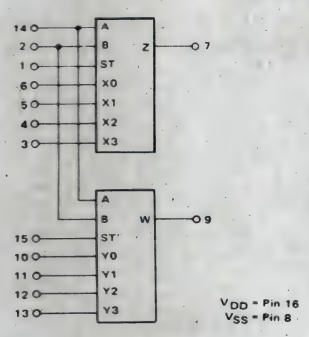
ECG4538B 16-Pin DIP See Fig. D8

Dual Precision Monostable, Multi, V_{DD} = 3 V to 15 V



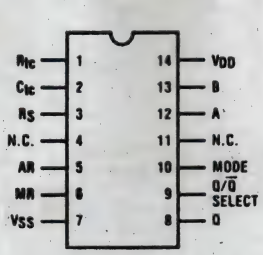
ECG4539B 16-Pin DIP See Fig. D8

Dual 4-Channel Digital Mixer, V_{DD} = 3 V to 18 V



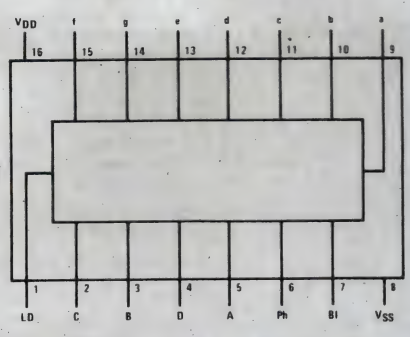
ECG4541B 14-Pin DIP See Fig. D6

Oscillator/Timer, V_{DD} = 3 V to 15 V



ECG4543B 16-Pin DIP See Fig. D8

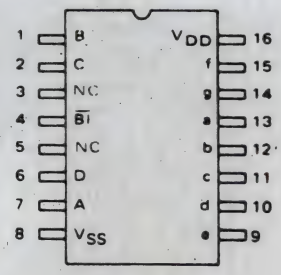
BCD-to-7 Segment Latch Decoder/Driver for LCD, V_{DD} = 3 V to 18 V



Package Outlines - See Page 1-357

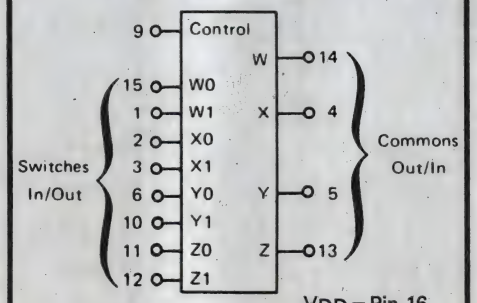
ECG4547B 16-Pin DIP See Fig. D8

BCD-to-7 Segment Decoder/Latch/Driver, V_{DD} = 3 V to 18 V



ECG4551B 16-Pin DIP See Fig. D8

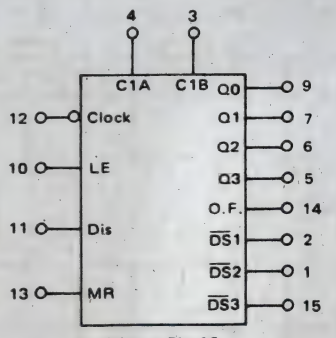
Quad Analog Multiplexer/Demultiplexer, V_{DD} = 3 V to 18 V



VDD = Pin 16
VSS = Pin 8

ECG4553B 16-Pin DIP See Fig. D8

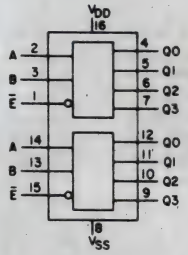
3-Digit BCD Counter, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

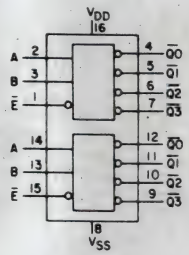
ECG4555B 16-Pin DIP See Fig. D8

Dual Binary to 1-of-4 Decoder/Demultiplexer (High-on-Select), V_{DD} = 3 V to 18 V



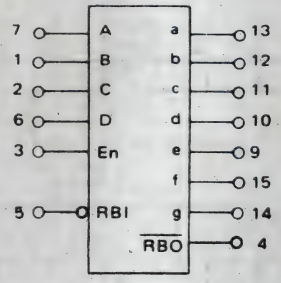
ECG4556B 16-Pin DIP See Fig. D8

Dual Binary to 1-of-4 Decoder/Demultiplexer (Low-on-Select), V_{DD} = 3 V to 18 V



ECG4558B 16-Pin DIP See Fig. D8

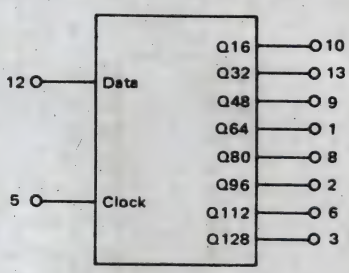
BCD-to-7 Segment Decoder, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4562B 14-Pin DIP See Fig. D6

128-Bit Static Shift Register, V_{DD} = 3 V to 18 V

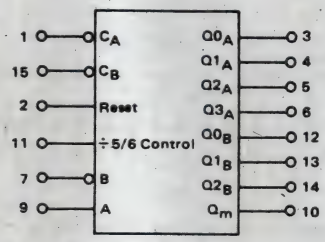


Pins 4 and 11 not used.

V_{DD} = Pin 14
V_{SS} = Pin 7

ECG4566B 16-Pin DIP See Fig. D8

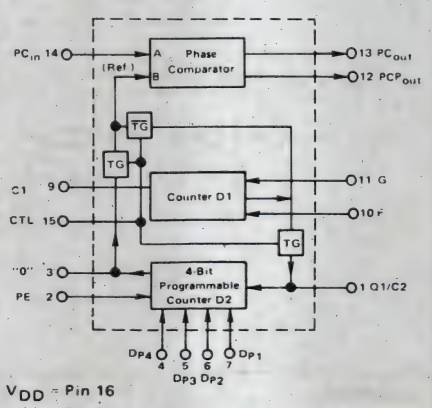
Industrial Time Base Generator, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

ECG4568B 16-Pin DIP See Fig. D8

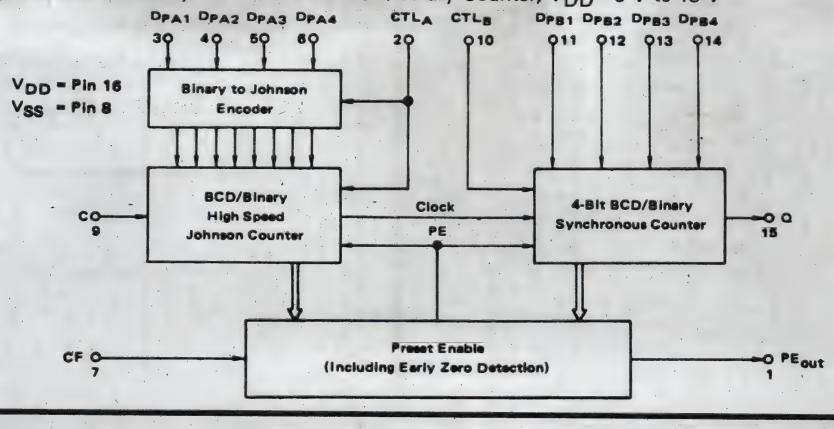
Phase Comparator and Programmable Counter, V_{DD} = 3 V to 18 V



V_{DD} = Pin 16
V_{SS} = Pin 8

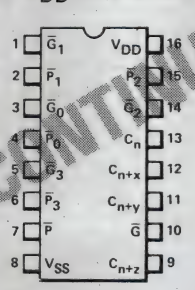
ECG4569B 16-Pin DIP See Fig. D8

Programmable Divide-by-"N" Dual 4-Bit BCD/Binary Counter, V_{DD} = 3 V to 18 V



ECG4582B 16-Pin DIP See Fig. D8

Look-Ahead Carry Block (Use ECG40182 for replacement), V_{DD} = 3 V to 18 V



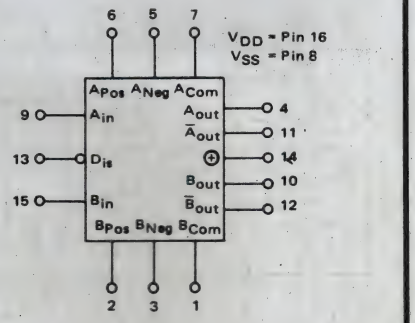
DISCONTINUED

Package Outlines - See Page 1-357

CMOS (cont'd)

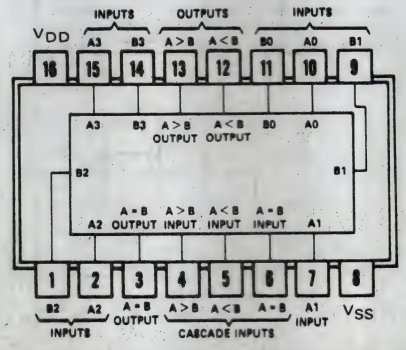
ECG4583B 16-Pin DIP See Fig. D8

Dual Schmitt Trigger, V_{DD} = 3 V to 18 V



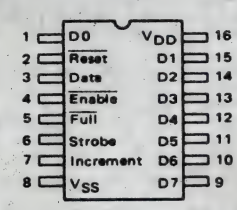
ECG4585B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 18 V



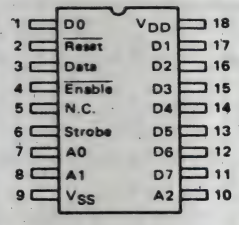
ECG4597B 16-Pin DIP See Fig. D8

8-Bit 3-State Bus Compatible Latches with Internal Counter, V_{DD} = 3 V to 18 V



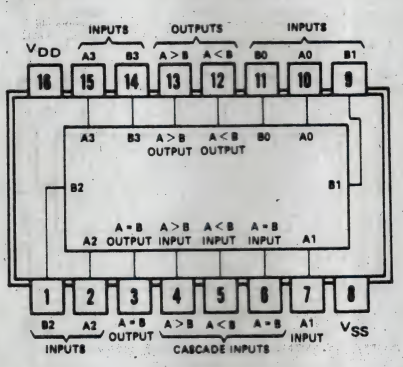
ECG4598B 18-Pin DIP See Fig. D11

8-Bit 3-State Bus Compatible Latches with Binary Address, V_{DD} = 3 V to 18 V



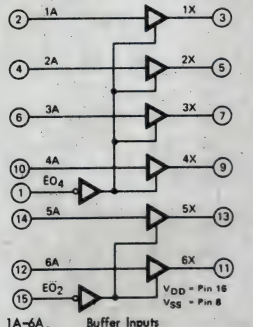
ECG40085B 16-Pin DIP See Fig. D8

4-Bit Magnitude Comparator, V_{DD} = 3 V to 15 V



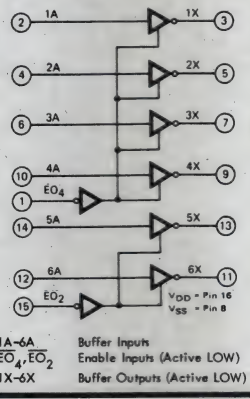
ECG40097B 16-Pin DIP See Fig. D8

Hex 3-State Non-Inverting Buffer, V_{DD} = 3 V to 15 V



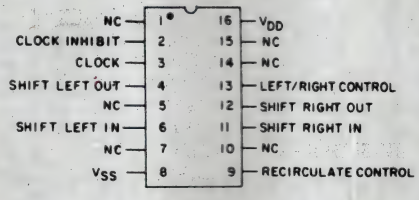
ECG40098B 16-Pin DIP See Fig. D8

Hex 3-State Inverting Buffer, V_{DD} = 3 V to 15 V



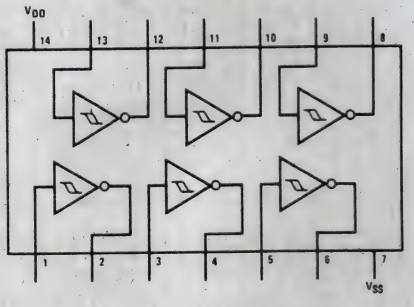
ECG40100B 16-Pin DIP See Fig. D8

32-Stage Static Left/Right Shift Register, V_{DD} = 3 V to 18 V



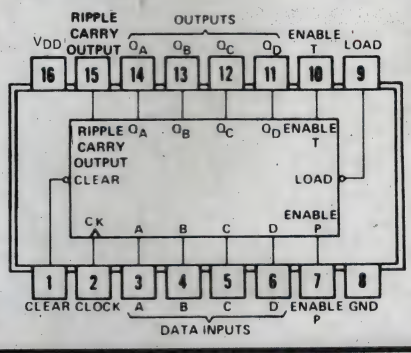
ECG40106B 14-Pin DIP See Fig. D6

Hex Schmitt Trigger, V_{DD} = 3 V to 15 V



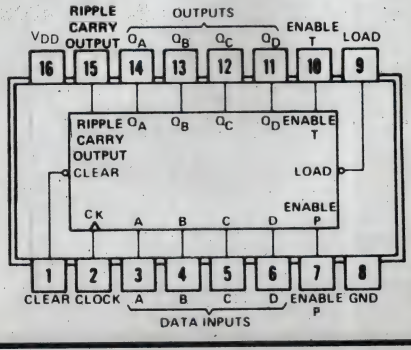
ECG40160B 16-Pin DIP See Fig. D8

4-Bit Decade Asynchronous Reset Counter, V_{DD} = 3 V to 15 V



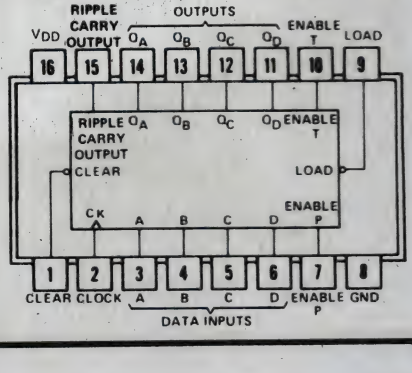
ECG40161B 16-Pin DIP See Fig. D8

4-Bit Binary Asynchronous Reset Counter, V_{DD} = 3 V to 15 V



ECG40162B 16-Pin DIP See Fig. D8

4-Bit Decade Synchronous Reset Counter, V_{DD} = 3 V to 15 V



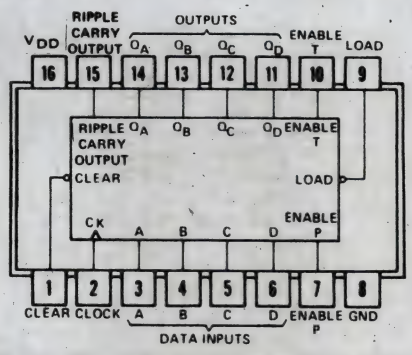
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Package Outlines - See Page 1-357

CMOS (cont'd)

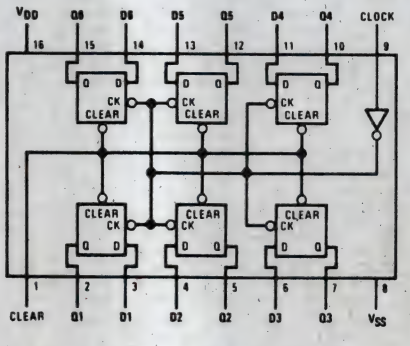
ECG40163B 16-Pin DIP See Fig. D8

4-Bit Binary Synchronous Reset Counter, V_{DD} = 3 V to 15 V



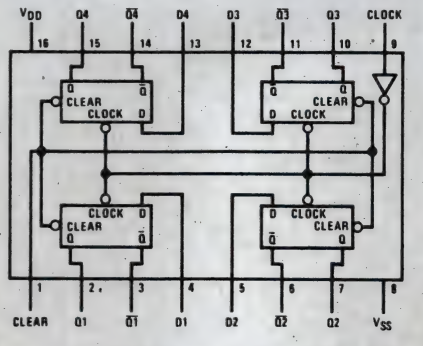
ECG40174B 16-Pin DIP See Fig. D8

Hex "D" Flip- Flop, V_{DD} = 3 V to 15 V



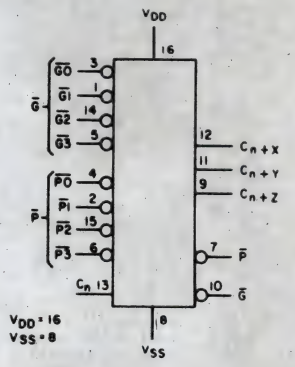
ECG40175B 16-Pin DIP See Fig. D8

Quad "D" Flip-Flop, V_{DD} = 3 V to 15 V



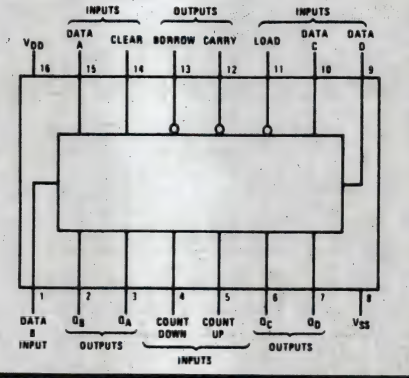
ECG40182B 16-Pin DIP See Fig. D8

Look-Ahead Carry Generator, V_{DD} = 3 V to 18 V



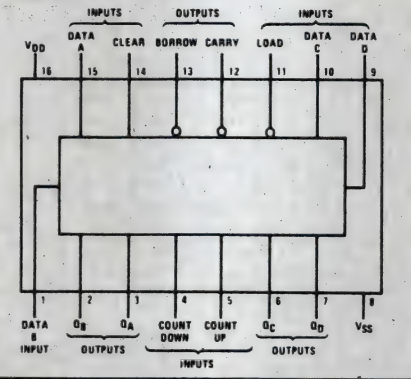
ECG40192B 16-Pin DIP See Fig. D8

4-Bit Up/Down Synchronous Decade Counter, V_{DD} = 3 V to 15 V



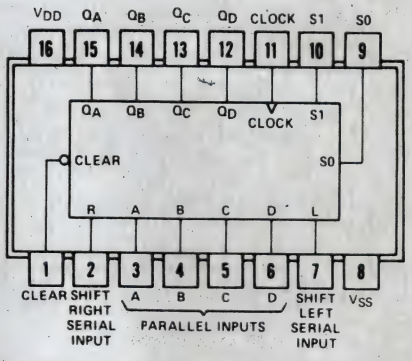
ECG40193B 16-Pin DIP See Fig. D8

4-Bit Up/Down Synchronous Binary Counter, V_{DD} = 3 V to 15 V



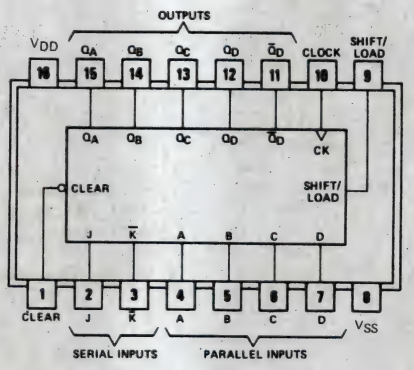
ECG40194B 16-Pin DIP See Fig. D8

4-Bit Right/Left Shift Register, V_{DD} = 3 V to 15 V



ECG40195B 16-Pin DIP See Fig. D8

4-Bit Shift Register, V_{DD} = 3 V to 15 V

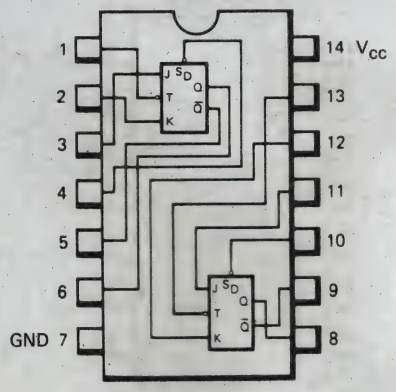


Package Outlines - See Page 1-357

DTL Diode-Transistor Logic

ECG9093 14-Pin DIP See Fig. D6
Dual M/S J-K Flip-Flop (5 MHz)

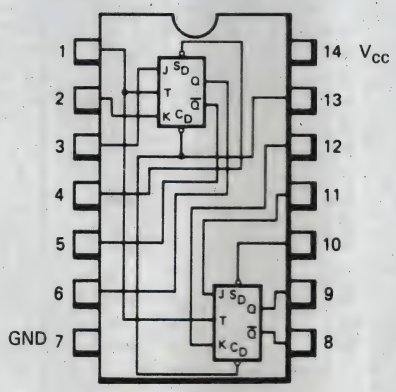
ECG9094
Dual M/S J-K Flip-Flop (8 MHz)



V_{CC} = +5 V (Nom.)

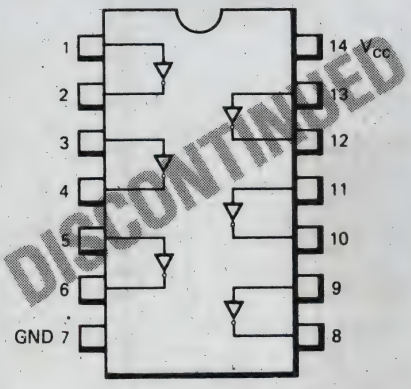
ECG9097 14-Pin DIP See Fig. D6
Dual M/S J-K Flip-Flop (8 MHz)

ECG9099
Dual M/S J-K Flip-Flop (5 MHz)



V_{CC} = +5 V (Nom.)

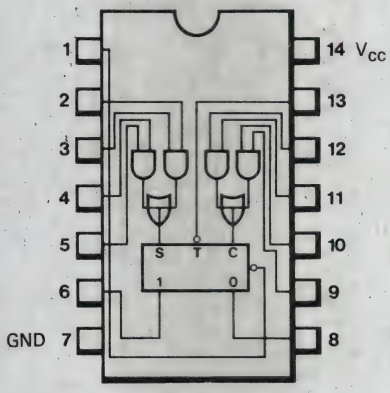
ECG9109 14-Pin DIP See Fig. D6
High Voltage Hex Inverter (Open Collector)



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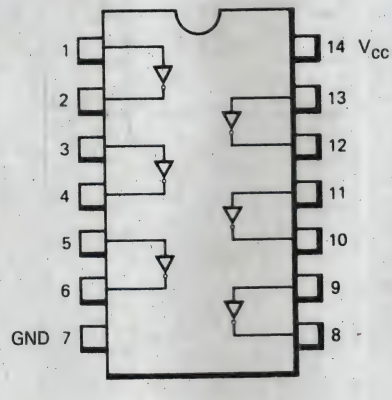
V_{CC} = +20 V (Nom.)

ECG9111 14-Pin DIP See Fig. D6
RS Flip-Flop



V_{CC} = +5 V (Nom.)

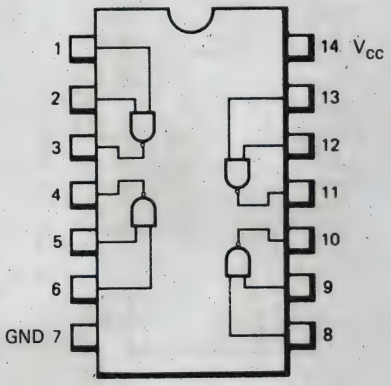
ECG9135 14-Pin DIP See Fig. D6
Hex Inverter (Open Collector)



V_{CC} = +5 V (Nom.)

ECG9157 14-Pin DIP See Fig. D6
Quad 2-Input Buffered NAND Gate

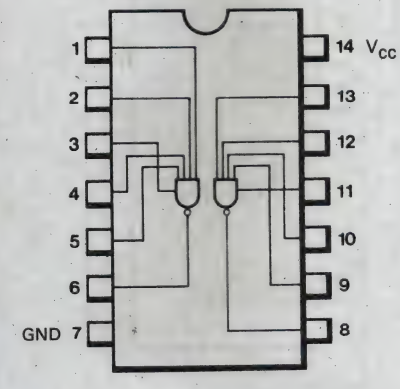
ECG9158
Quad 2-Input Power NAND Gate



V_{CC} = +5 V (Nom.)

ECG9800 14-Pin DIP See Fig. D6
Dual 5-Input NAND Gate (6 Kohm-Pullup)

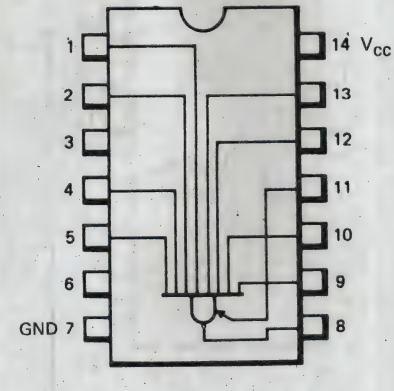
ECG9801
Dual 5-Input NAND Gate (2 Kohm-Pullup)



V_{CC} = +5 V (Nom.)

ECG9802 14-Pin DIP See Fig. D6
8-Input NAND Gate (6 Kohm-Pullup)

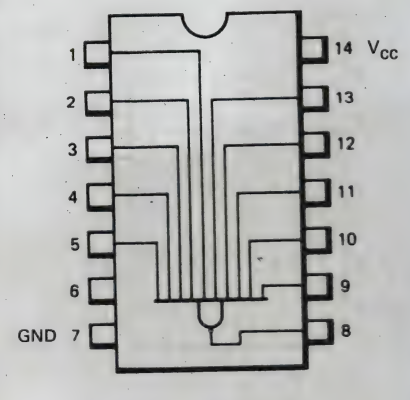
ECG9803
8-Input NAND Gate (2 Kohm-Pullup)



V_{CC} = +5 V (Nom.)

ECG9804 14-Pin DIP See Fig. D6
10-Input NAND Gate (6 Kohm-Pullup)

ECG9805
10-Input NAND Gate (2 Kohm-Pullup)



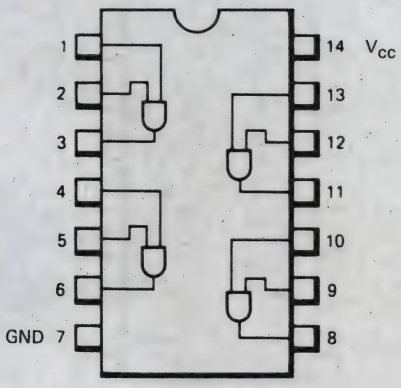
V_{CC} = +5 V (Nom.)

Package Outlines - See Page 1-357

DTL (cont'd)

ECG9806 14-Pin DIP See Fig. D6
Quad 2-Input AND Gate (6 Kohm-Pullup)

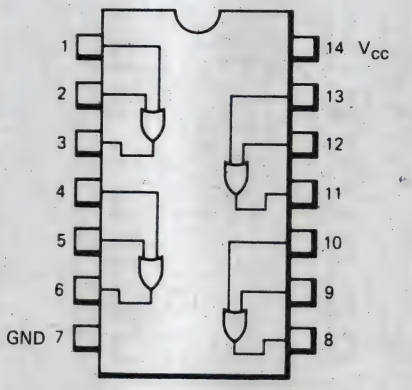
ECG9807
Quad 2-Input AND Gate (2 Kohm-Pullup)



V_{CC} = +5 V (Nom.)

ECG9808 14-Pin DIP See Fig. D6
Quad 2-Input OR Gate (6 Kohm-Pullup)

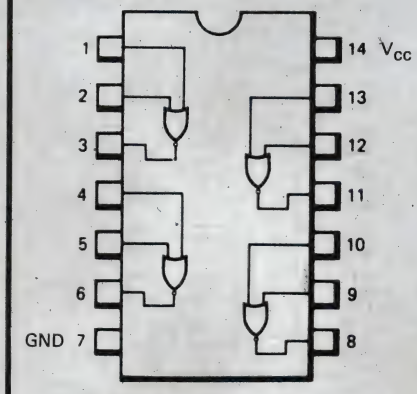
ECG9809
Quad 2-Input OR Gate (2 Kohm-Pullup)



V_{CC} = +5 V (Nom.)

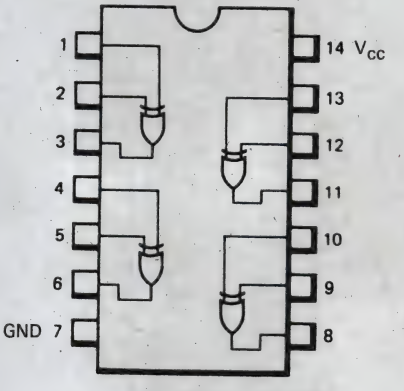
ECG9810 14-Pin DIP See Fig. D6
Quad 2-Input NOR Gate (6 Kohm-Pullup)

ECG9811
Quad 2-Input NOR Gate (2 Kohm-Pullup)



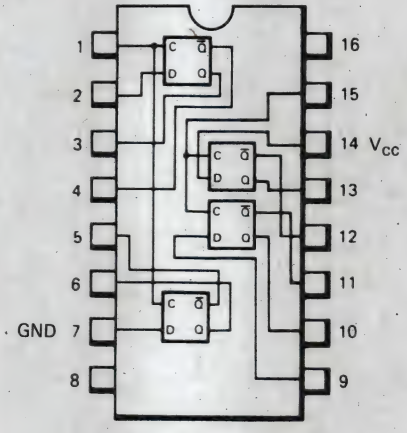
V_{CC} = +5 V (Nom.)

ECG9812 14-Pin DIP See Fig. D6
Quad 2-Input Exclusive OR Gate



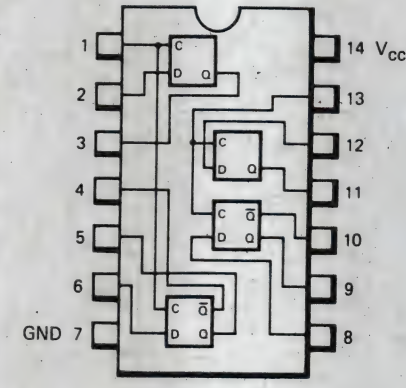
V_{CC} = +5 V (Nom.)

ECG9813 16-Pin DIP See Fig. D8
Quad Latch with Complementary Outputs



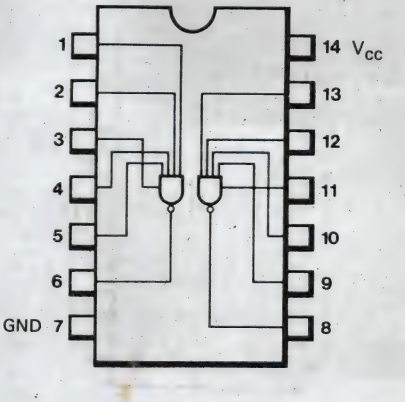
V_{CC} = +5 V (Nom.)

ECG9814 14-Pin DIP See Fig. D6
Quad Latch



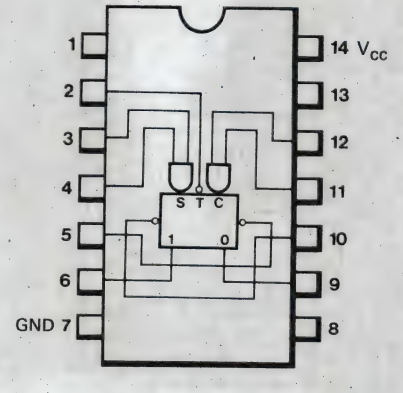
V_{CC} = +5 V (Nom.)

ECG9930 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Gate



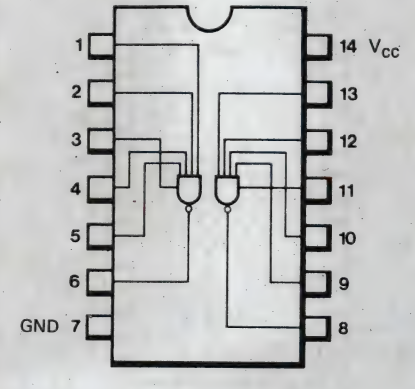
V_{CC} = +5 V (Nom.)

ECG9931 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop



V_{CC} = +5 V (Nom.)

ECG9932 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Buffer Gate

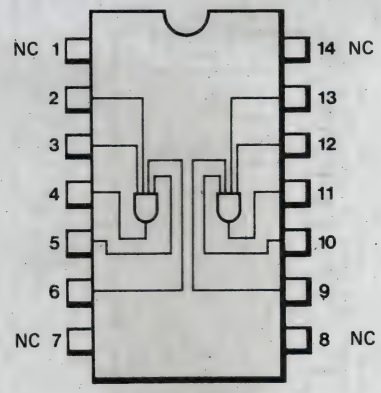


V_{CC} = +5 V (Nom.)

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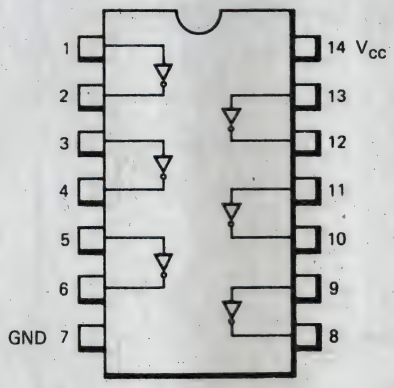
DTL (cont'd)

ECG9933 14-Pin DIP See Fig. D6
Dual 4-Input Extender



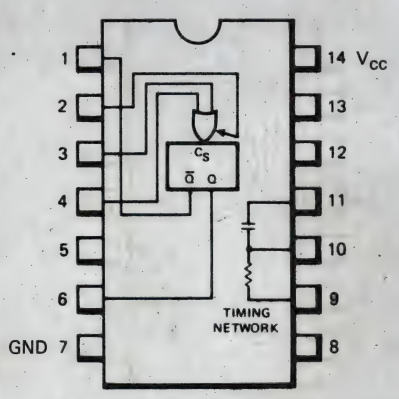
ECG9935 14-Pin DIP See Fig. D6
Extendable Hex Inverter

ECG9936, ECG9937
Hex Inverters



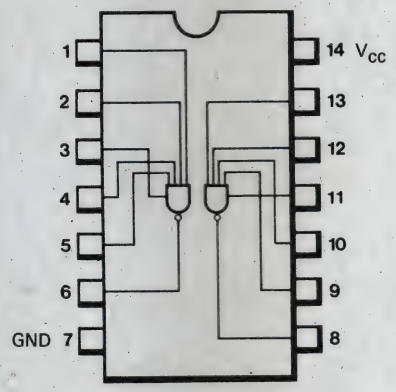
V_{CC} = +5 V (Nom.)

ECG9941 14-Pin DIP See Fig. D6
Monostable Multivibrator (Input Clamp Diodes)



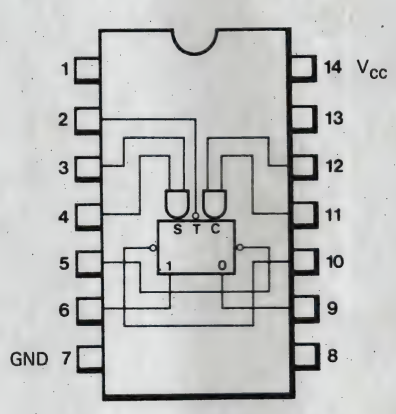
V_{CC} = +5 V (Nom.)

ECG9944 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Buffer Gate (Open Collector)



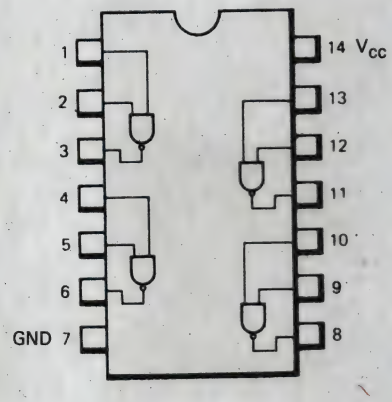
V_{CC} = +5 V (Nom.)

ECG9945 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop



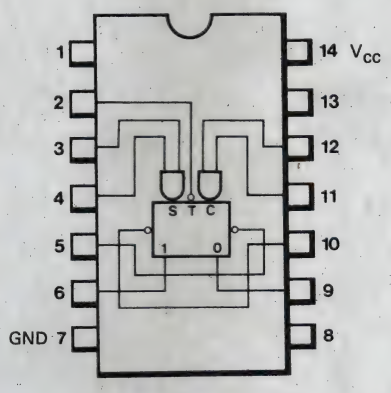
V_{CC} = +5 V (Nom.)

ECG9946 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate



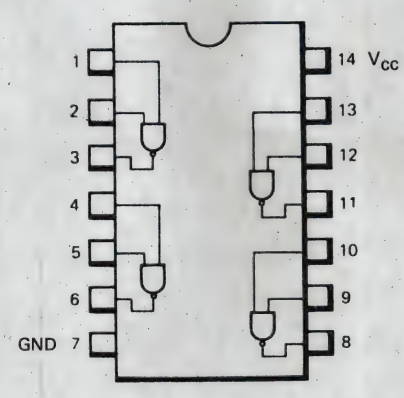
V_{CC} = +5 V (Nom.)

ECG9948 14-Pin DIP See Fig. D6
RS Clocked Flip-Flop (Fast)



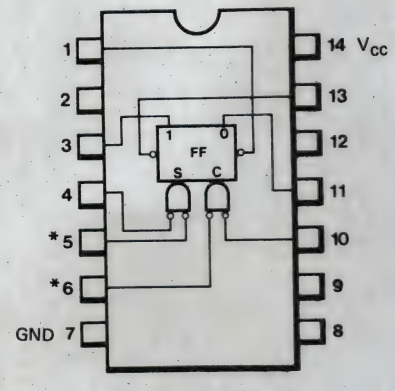
V_{CC} = +5 V (Nom.)

ECG9949 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate (Fast)



V_{CC} = +5 V (Nom.)

ECG9950 14-Pin DIP See Fig. D6
A-C Coupled RS Flip-Flop

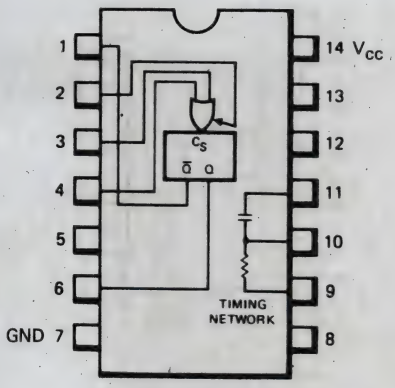


V_{CC} = +5 V (Nom.)
* These inputs are capacitively coupled.

Package Outlines - See Page 1-357

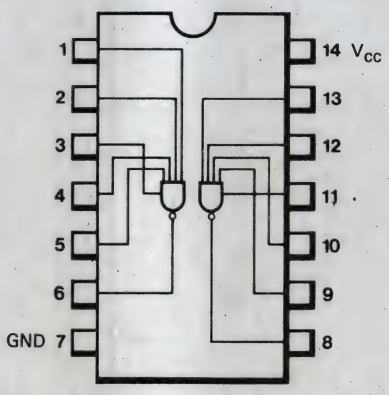
DTL (cont'd)

ECG9951 14-Pin DIP See Fig. D6
Monostable Multivibrator



V_{CC} = +5 V (Nom.)

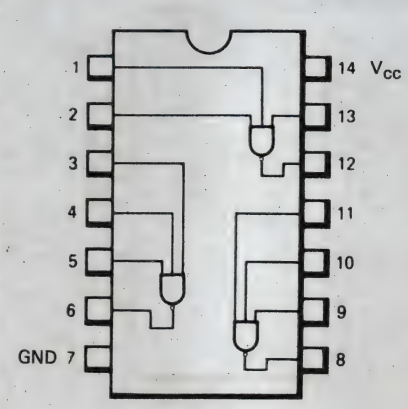
ECG9961 14-Pin DIP See Fig. D6
Dual 4-Input Extendable NAND Gate (Fast)



V_{CC} = +5 V (Nom.)

ECG9962 14-Pin DIP See Fig. D6
Triple 3-Input NAND Gate

ECG9963
Triple 3-Input NAND Gate (Fast)

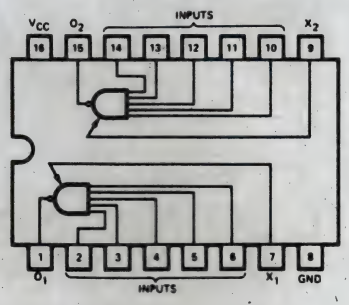


V_{CC} = +5 V (Nom.)

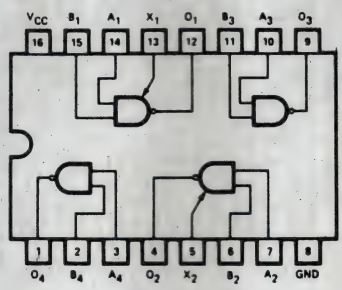
Package Outlines - See Page 1-357

HLL High Level Logic Circuits

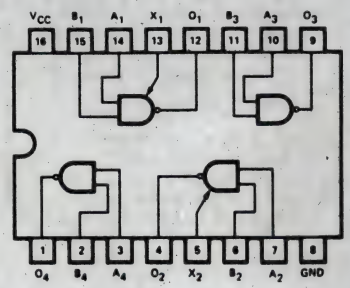
ECG9301 16-Pin DIP See Fig. D8
Dual 5-Input Power NAND Gate (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



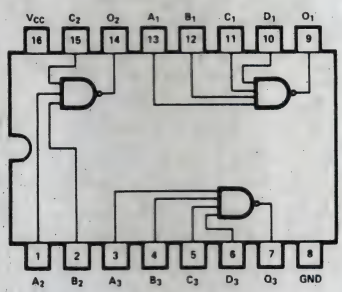
ECG9302 16-Pin DIP See Fig. D8
Quad 2-Input NAND Buffer Gate (Open Collector), $V_{CC} = +15$ V (Nom.)



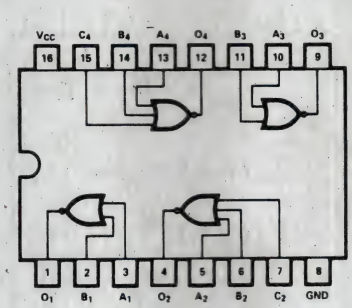
ECG9303 16-Pin DIP See Fig. D8
Quad 2-Input NAND Buffer Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



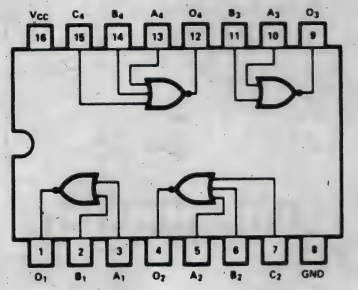
ECG9304 16-Pin DIP See Fig. D8
Triple 4,3,4 Input NAND Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



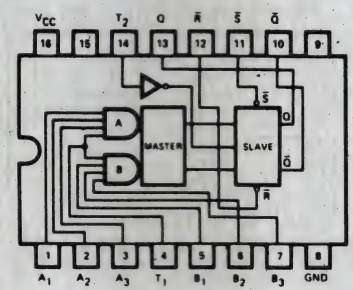
ECG9306 16-Pin DIP See Fig. D8
2,2,3,3 Input NOR Gate (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



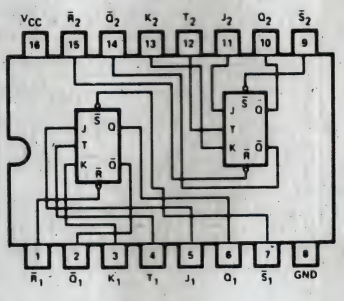
ECG9307 16-Pin DIP See Fig. D8
2,2,3,3 Input NOR Gate (Open Collector), $V_{CC} = +15$ V (Nom.)



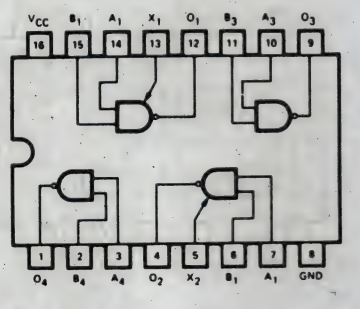
ECG9311 16-Pin DIP See Fig. D8
Master/Slave Flip-Flop (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



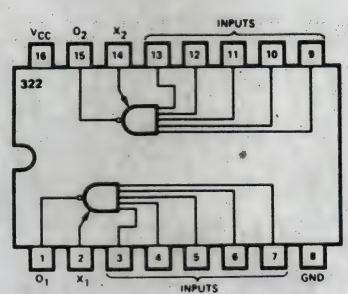
ECG9312 16-Pin DIP See Fig. D8
Dual J-K Flip-Flop (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



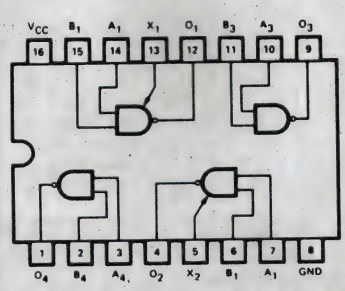
ECG9321 16-Pin DIP See Fig. D8
Qual 2-Input NAND Gate (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



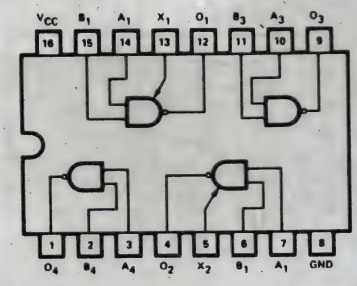
ECG9322 16-Pin DIP See Fig. D8
Dual 5-Input NAND Gate (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



ECG9323 16-Pin DIP See Fig. D8
Quad 2-Input NAND Gate (Open Collector), $V_{CC} = +15$ V (Nom.)



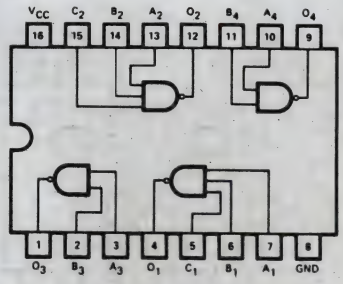
ECG9324 16-Pin DIP See Fig. D8
Quad 2-Input NAND Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



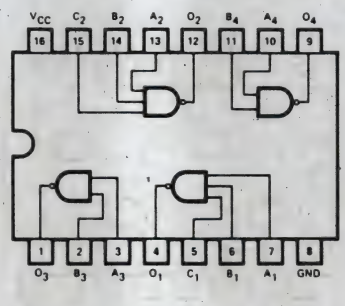
Package Outlines - See Page 1-357

HLL Circuits (cont'd)

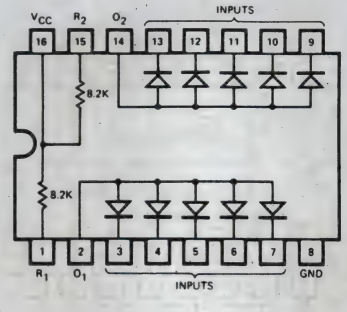
ECG9325 16-Pin DIP See Fig. D8
2,2,3,3 Input NAND Gate (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



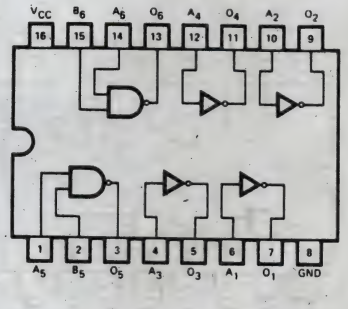
ECG9326 16-Pin DIP See Fig. D8
2,2,3,3 Input NAND Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



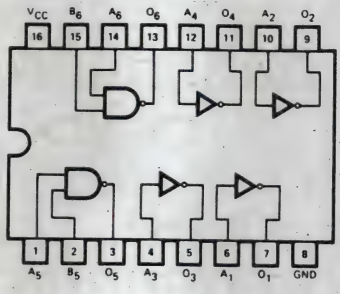
ECG9331 16-Pin DIP See Fig. D8
Dual 5-Input Gate Expander, $V_{CC} = +15$ V (Nom.)



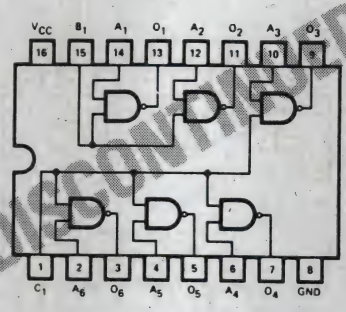
ECG9332 16-Pin DIP See Fig. D8
Hex Inverter Gate (Open Collector), $V_{CC} = +15$ V (Nom.)



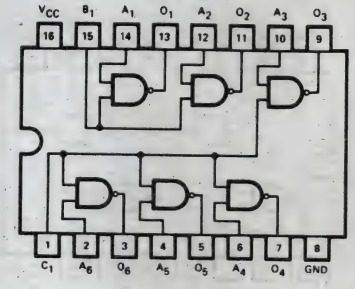
ECG9333 16-Pin DIP See Fig. D8
Hex Inverter Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



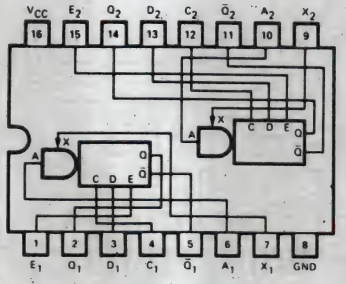
ECG9334 16-Pin DIP See Fig. D8
Strobed Hex Inverter Gate (Open Collector), $V_{CC} = +15$ V (Nom.)



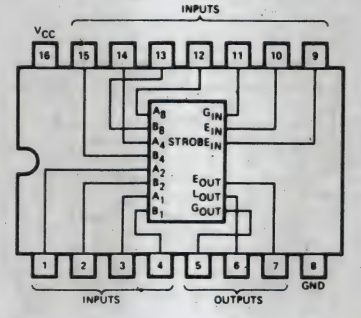
ECG9335 16-Pin DIP See Fig. D8
Strobed Hex Inverter Gate (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



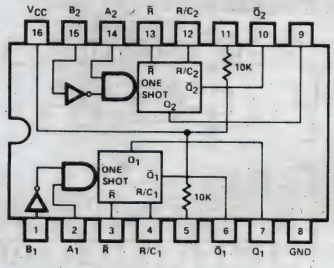
ECG9342 16-Pin DIP See Fig. D8
Dual Monostable Multivibrator (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



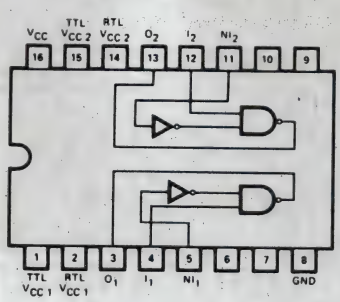
ECG9343 16-Pin DIP See Fig. D8
Four Bit Comparator (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



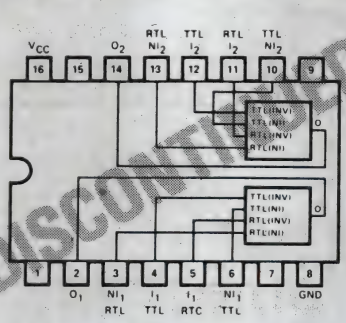
ECG9347 16-Pin DIP See Fig. D8
Dual Retriggerable Monostable Multivibrator (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



ECG9361 16-Pin DIP See Fig. D8
Dual Input Interface (Passive Pull-Up), $V_{CC} = +15$ V (Nom.)



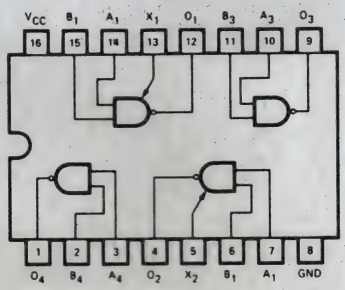
ECG9362 16-Pin DIP See Fig. D8
Dual Output Interface (Active Pull-Up), $V_{CC} = +15$ V (Nom.)



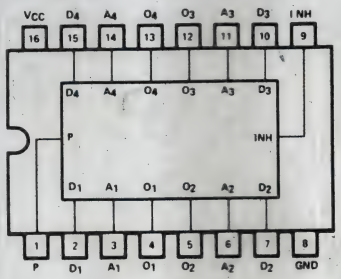
Package Outlines - See Page 1-357

HLL Circuits (cont'd)

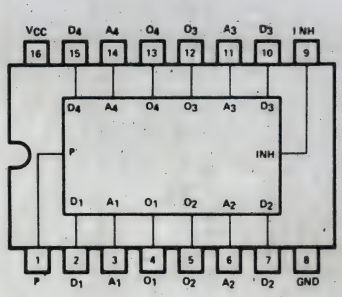
ECG9363 16-Pin DIP See Fig. D8
Quad Output Interface (Passive Pull-Up), V_{CC} = +15 V (Nom.)



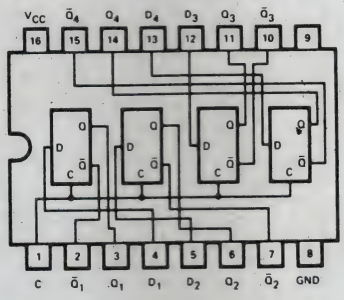
ECG9367 16-Pin DIP See Fig. D8
Quad Schmitt Trigger (Active Pull-Up), V_{CC} = +15 V (Nom.)



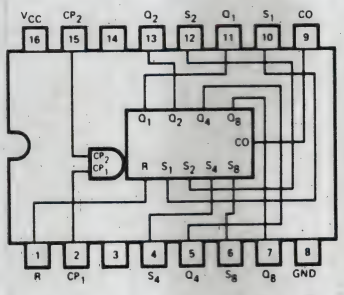
ECG9368 16-Pin DIP See Fig. D8
Quad Schmitt Trigger (Open Collector), V_{CC} = +15 V (Nom.)



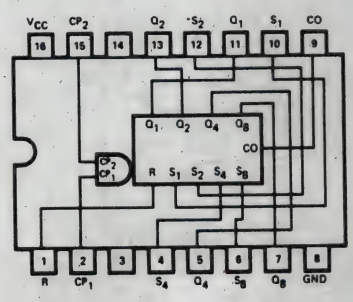
ECG9370 16-Pin DIP See Fig. D8
Quad D Flip-Flop (Passive Pull-Up), V_{CC} = +15 V (Nom.)



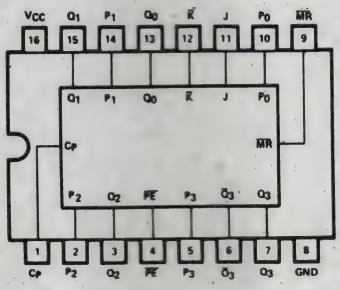
ECG9371 16-Pin DIP See Fig. D8
Decade Counter (Passive Pull-Up), V_{CC} = +15 V (Nom.)



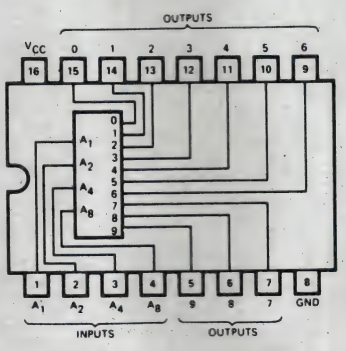
ECG9372 16-Pin DIP See Fig. D8
Hexadecimal Counter (Passive Pull-Up), V_{CC} = +15 V (Nom.)



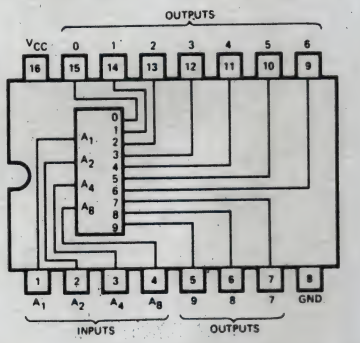
ECG9375 16-Pin DIP See Fig. D8
Four Bit Shift Register (Active Pull-Up), V_{CC} = +15 V (Nom.)



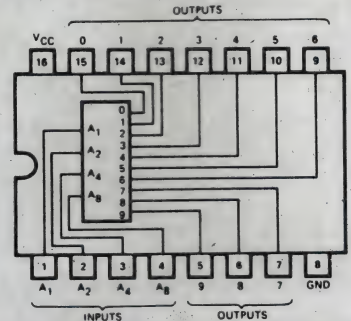
ECG9380 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Lamp Driver (Open Collector), V_{CC} = +15 V (Nom.)



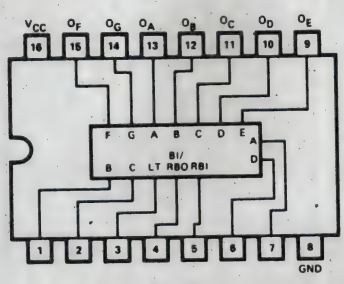
ECG9381 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Logic Driver (Open Collector), V_{CC} = +15 V (Nom.)



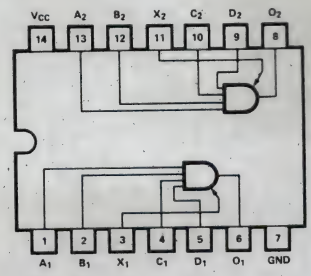
ECG9382 16-Pin DIP See Fig. D8
BCD-to-Decade Decoder/Gas Discharge (Open Collector) Tube Driver, V_{CC} = +15 V (Nom.)



ECG9383 16-Pin DIP See Fig. D8
BCD-to-Seven Segment Decoder/Driver (Open Collector), V_{CC} = +15 V (Nom.)



ECG9390 14-Pin DIP See Fig. D6
Dual 4-Input AND Interface Buffer, V_{CC} = +15 V (Nom.)

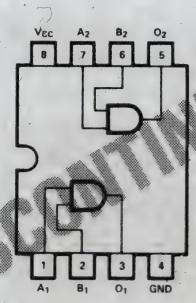


Package Outlines - See Page 1-357

HLL Circuits (cont'd)

ECG9391 8-Pin DIP See Fig. D4

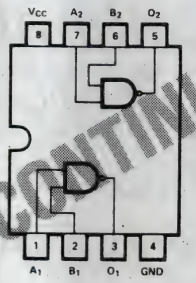
Dual 2-Input AND Interface Buffer,
V_{CC} = +15 V (Nom.)



DISCONTINUED

ECG9392 8-Pin DIP See Fig. D4

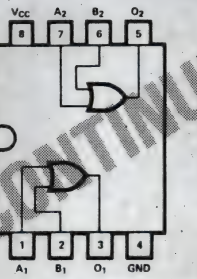
Dual 2-Input NAND Interface Buffer,
V_{CC} = +15 V (Nom.)



DISCONTINUED

ECG9393 8-Pin DIP See Fig. D4

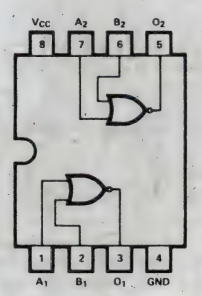
Dual 2-Input OR Interface Buffer,
V_{CC} = +15 V (Nom.)



DISCONTINUED

ECG9394 8-Pin DIP See Fig. D4

Dual 2-Input NOR Interface Buffer,
V_{CC} = +15 V (Nom.)

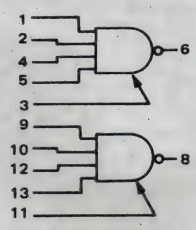


Package Outlines - See Page 1-357

HTL High Threshold Logic

ECG9660 14-Pin DIP See Fig. D6

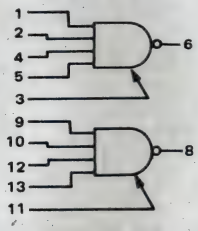
Expandable Dual 4-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9661 14-Pin DIP See Fig. D6

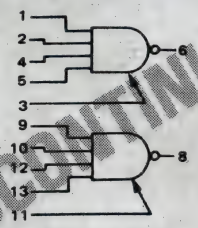
Expandable 4-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9662 14-Pin DIP See Fig. D6

Expandable 4-Input Line NAND Driver (Active Pull-Up), V_{CC} = +15 V (Nom.)

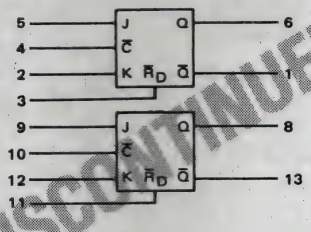


DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9663 14-Pin DIP See Fig. D6

Dual J-K Flip-Flop, V_{CC} = +15 V (Nom.)

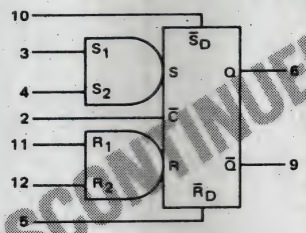


DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9664 14-Pin DIP See Fig. D6

M/S R-S Flip-Flop, V_{CC} = +15 V (Nom.)

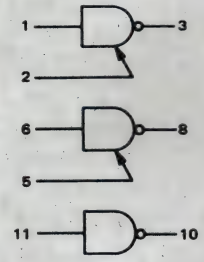


DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9665 14-Pin DIP See Fig. D6

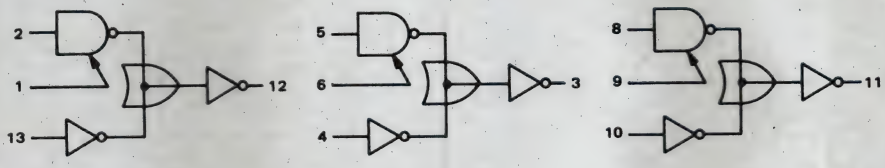
Triple Level Translator tp = 40 ns Typ, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9666 14-Pin DIP See Fig. D6

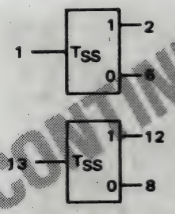
Triple Level Translator tp = 75 ns Typ, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9667 14-Pin DIP See Fig. D6

Dual Monostable Multivibrator, V_{CC} = +15 V (Nom.)

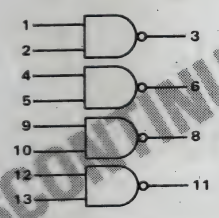


DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9668 14-Pin DIP See Fig. D6

Quad 2-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)

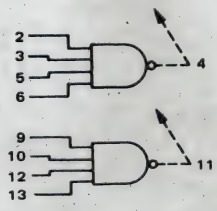


DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9669 14-Pin DIP See Fig. D6

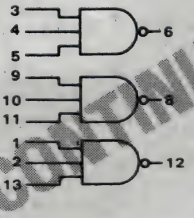
Dual 4-Input Expander, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

ECG9670 14-Pin DIP See Fig. D6

Triple 3-Input NAND Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



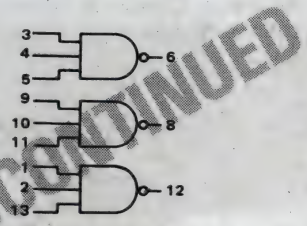
DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

Package Outlines - See Page 1-357

HTL (cont'd)

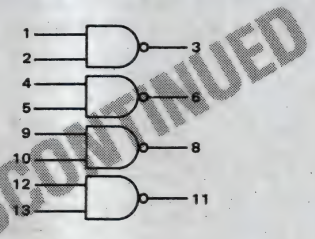
ECG9671 14-Pin DIP See Fig. D6
Triple 3-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

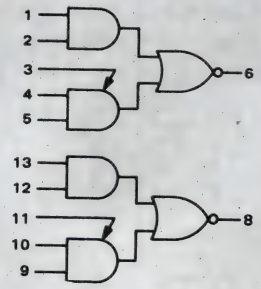
ECG9672 14-Pin DIP See Fig. D6
Quad 2-Input NAND Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



DISCONTINUED

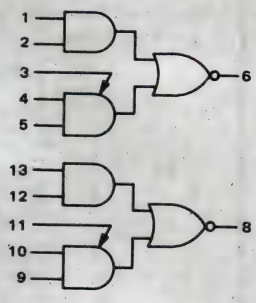
V_{CC} = Pin 14, GND = Pin 7

ECG9673 14-Pin DIP See Fig. D6
Dual-Input AND/OR/Invert Gate (Active Pull-Up), V_{CC} = +15 V (Nom.)



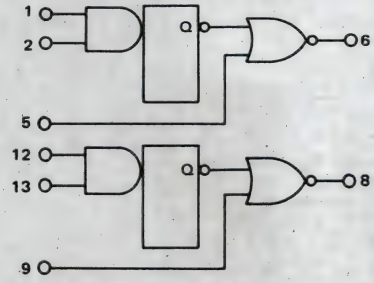
V_{CC} = Pin 14, GND = Pin 7

ECG9674 14-Pin DIP See Fig. D6
Dual 2-Input AND/OR/Invert Gate (Passive Pull-Up), V_{CC} = +15 V (Nom.)



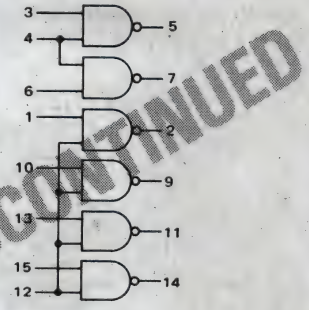
V_{CC} = Pin 14, GND = Pin 7

ECG9675 14-Pin DIP See Fig. D6
Dual Pulse Stretcher, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

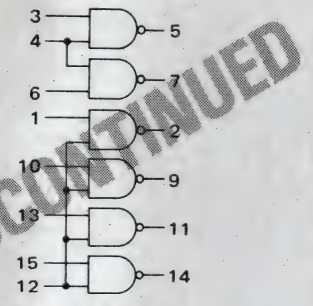
ECG9677 16-Pin DIP See Fig. D8
Hex Inverter with Strobe (Active Pull-Up), V_{CC} = +15 V (Nom.)



DISCONTINUED

V_{CC} = Pin 16, GND = Pin 8

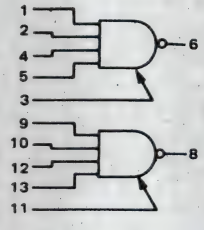
ECG9678 16-Pin DIP See Fig. D8
Hex Inverter with Strobe (Without Output Resistors), V_{CC} = +15 V (Nom.)



DISCONTINUED

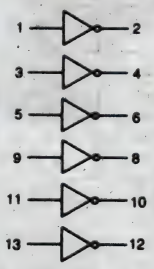
V_{CC} = Pin 16, GND = Pin 8

ECG9679 14-Pin DIP See Fig. D6
Dual Lamp/Line Driver, V_{CC} = +15 V (Nom.)



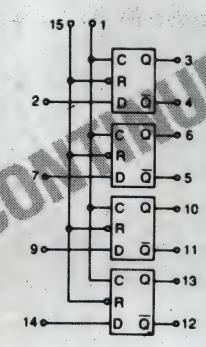
ECG9680* 14-Pin DIP See Fig. D6
Hex Inverter (Active Pull-Up), V_{CC} = +15 V (Nom.) * Discontinued

ECG9681
Hex Inverter (Open Collector), V_{CC} = +15 V (Nom.)



V_{CC} = Pin 14, GND = Pin 7

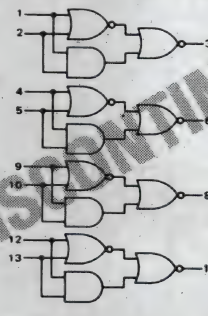
ECG9682 16-Pin DIP See Fig. D8
Qual Latch, V_{CC} = +15 V (Nom.)



DISCONTINUED

V_{CC} = Pin 16, GND = Pin 8

ECG9683 14-Pin DIP See Fig. D6
Quad 2-Input Exclusive OR Gate, V_{CC} = +15 V (Nom.)



DISCONTINUED

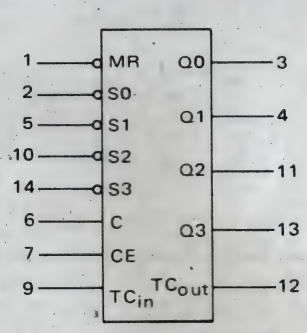
V_{CC} = Pin 14, GND = Pin 7

Package Outlines - See Page 1-357

HTL (cont'd)

ECG9684 16-Pin DIP See Fig. D8
Decade Counter, V_{CC} = +15 V (Nom.)

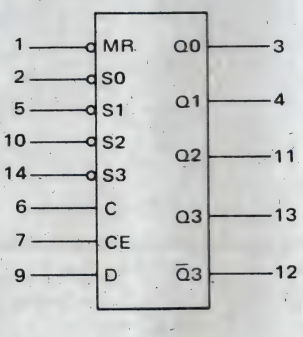
ECG9685*
Binary Counter, V_{CC} = +15 V (Nom.)



* Discontinued

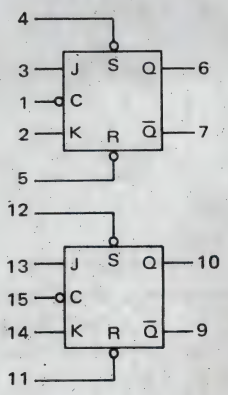
V_{CC} = Pin 16, GND = Pin 8

ECG9686 16-Pin DIP See Fig. D8
4-Bit Shift Register, V_{CC} = +15 V (Nom.)



V_{CC} = Pin 16, GND = Pin 8

ECG9688 16-Pin DIP See Fig. D8
Dual J-K Flip-Flop, V_{CC} = +15 V (Nom.)

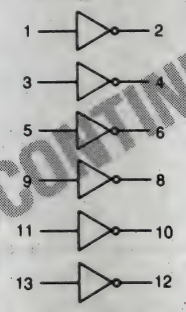


V_{CC} = Pin 16, GND = Pin 8

ECG9689 14-Pin DIP See Fig. D6
Hex Inverter (High Voltage),
V_{CC} = +15 V (Nom.)

ECG9690
Hex Inverter (Active Pull-Up),
V_{CC} = +15 V (Nom.)

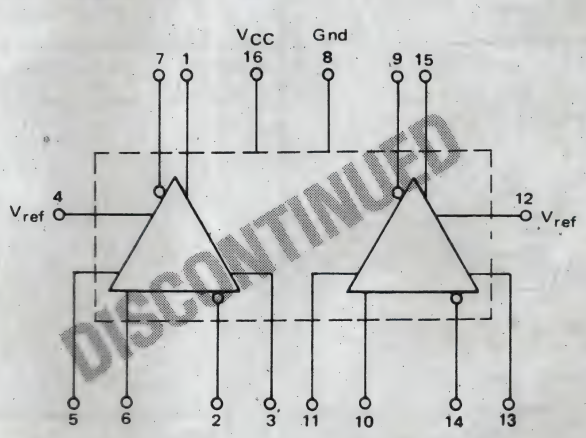
ECG9691
Hex Inverter/Interface Element,
V_{CC} = +15 V (Nom.)



DISCONTINUED

V_{CC} = Pin 14, GND = Pin 7

ECG9696 16-Pin DIP See Fig. D8
Dual Interface Element, Line Driver/
Receiver, V_{CC} = +15 V (Nom.)



DISCONTINUED

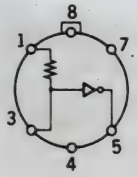
V_{CC} = Pin 16, GND = Pin 8

Package Outlines - See Page 1-357

O

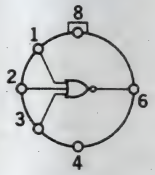
RTL Resistor-Transistor Logic

ECG9900 8-Pin Can See Fig. D2
Buffer-Medium Power,
V_{CC} = +3.6 V (Nom.)



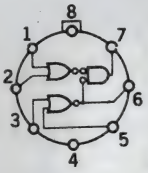
V_{CC} = Pin 8, GND = Pin 4

ECG9903 8-Pin Can See Fig. D2
3-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



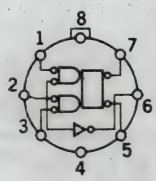
V_{CC} = Pin 8, GND = Pin 4

ECG9904 8-Pin Can See Fig. D2
Half Adder-Medium Power,
V_{CC} = +3.6 V (Nom.)



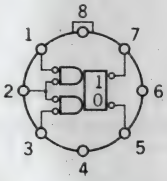
V_{CC} = Pin 8, GND = Pin 4

ECG9905 8-Pin Can See Fig. D2
Half-Shift Register-Medium Power,
V_{CC} = +3.6 V (Nom.)



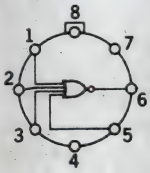
V_{CC} = Pin 8, GND = Pin 4

ECG9906 8-Pin Can See Fig. D2
Half-Shift Register W I/O-Inverter-Medium Power, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 8, GND = Pin 4

ECG9907 8-Pin Can See Fig. D2
4-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



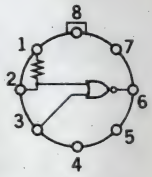
V_{CC} = Pin 8, GND = Pin 4

ECG9908 8-Pin Can See Fig. D2
Adder and Exclusive OR-Low Power,
V_{CC} = +3.6 V (Nom.)



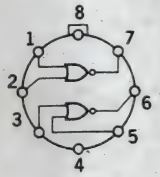
V_{CC} = Pin 8, GND = Pin 4

ECG9909 8-Pin Can See Fig. D2
Buffer-Low Power, V_{CC} = +3.6 V (Nom.)



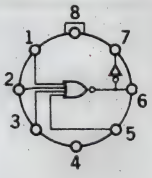
V_{CC} = Pin 8, GND = Pin 4

ECG9910 8-Pin Can See Fig. D2
Dual 2-Input NOR Gate-Low Power,
V_{CC} = +3.6 V (Nom.)



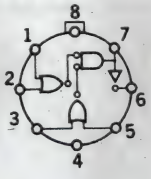
V_{CC} = Pin 8, GND = Pin 4

ECG9911 8-Pin Can See Fig. D2
4-Input NOR Gate and Inverter-Low Power,
V_{CC} = +3.6 V (Nom.)



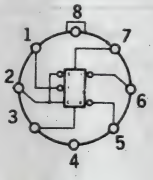
V_{CC} = Pin 8, GND = Pin 4

ECG9912 8-Pin Can See Fig. D2
Half Adder-Low Power,
V_{CC} = +3.6 V (Nom.)



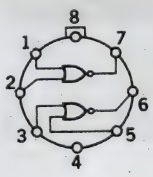
V_{CC} = Pin 8, GND = Pin 4

ECG9913 8-Pin Can See Fig. D2
Type "D" Flip-Flop-Low Power,
V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 8, GND = Pin 4

ECG9914 8-Pin Can See Fig. D2
Dual 2-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



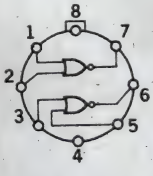
V_{CC} = Pin 8, GND = Pin 4

ECG9915 10-Pin Can See Fig. D3
Dual 3-Input NOR Gate-Medium Power,
V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 10, GND = Pin 5

ECG9921 8-Pin Can See Fig. D2
Gate Expander-Low Power,
V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 8, GND = Pin 4

Package Outlines - See Page 1-357

RTL (cont'd)

ECG9926 10-Pin Can See Fig. D3

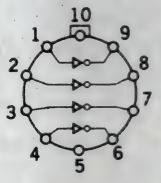
J-K Flip-Flop-Medium Power, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 10, GND = Pin 5

ECG9927 10-Pin Can See Fig. D3

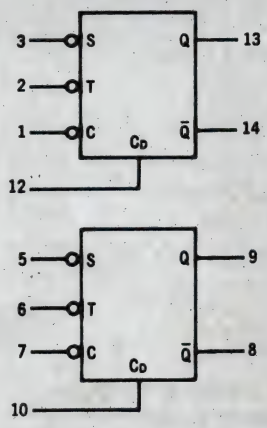
Quad Inverter-Medium Power, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 10, GND = Pin 5

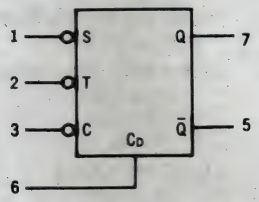
ECG9976 14-Pin DIP See Fig. D6

Dual J-K Flip-Flop-Low Power, V_{CC} = +3.6 V (Nom.)



ECG9982 8-Pin Can See Fig. D2

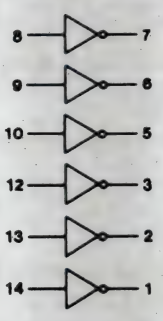
J-K Flip-Flop, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 8, GND = Pin 4

ECG9989 14-Pin DIP See Fig. D6

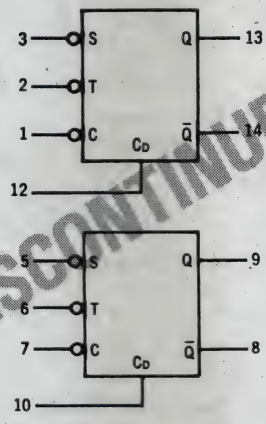
Hex Inverter-Medium Power, V_{CC} = +3.6 V (Nom.)



V_{CC} = Pin 11, GND = Pin 4

ECG9990 14-Pin DIP See Fig. D6

Dual J-K Flip-Flop, V_{CC} = +3.6 V (Nom.)



DISCONTINUED

V_{CC} = Pin 11, GND = Pin 4

Package Outlines - See Page 1-357

TTL Selector Guide

- **AND Gates**
  - **Dual 4-Input**
    - ECG7421
    - ECG74H21
    - ECG74LS21
  - **Triple 3-Input**
    - ECG7411
    - ECG74H11
    - ECG74HC11
    - ECG74LS11
    - ECG74S11
  - **Quad 2-Input**
    - ECG7408
    - ECG74C08
    - ECG74H08
    - ECG74HC08
    - ECG74HCT08
    - ECG74LS08
    - ECG74S08
- **AND Gates with Open Collector Output**
  - **Triple 3-Input**
    - ECG74LS15
    - ECG74S15
  - **Quad 2-Input**
    - ECG7409
    - ECG74LS09
    - ECG74S09
- **AND/OR/Invert Gates**
  - **2-Wide 4-Input**
    - ECG74LS55
  - **Dual 2-Wide 2-Input**
    - ECG7451
    - ECG74H51
    - ECG74S51
  - **Dual 2-Wide 2-2-3-2-Input**
    - ECG74LS51
  - **4-Wide 2-Input**
    - ECG7454
  - **4-Wide 2-2-3-2-Input**
    - ECG74H54
  - **4-Wide 3-2-2-3-Input**
    - ECG74LS54
  - **4-Wide 4-2-3-2-Input**
    - ECG74S64
- **AND/OR/Invert Gates with Open Collector Output**
  - **4-Wide 4-2-3-2-Input**
    - ECG74S65
- **Arithmetic & Logic Function Devices**
  - **Adders**
    - **1-Bit**
      - ECG7480
    - **2-Bit**
      - ECG7482
    - **4-Bit**
      - ECG7483
      - ECG74LS83A
      - ECG74LS283
    - **Dual Carry/Save**
      - ECG74H183
    - **Look-Ahead Carry-Generator**
      - ECG74182
    - **True/Complement Zero/One Element**
      - ECG74H87
  - **4-Bit Arithmetic Logic Unit/ Function Generator**
    - ECG74181
    - ECG74LS181
    - ECG74S181
  - **4-Bit Magnitude Comparator**
    - ECG7485
    - ECG74C85
    - ECG74LS85
  - **4 x 4 Register Files**
    - ECG74170
    - ECG74LS170
    - ECG74LS670
  - **6-Bit Binary Rate Multiplier**
    - ECG7497
  - **9-Bit Parity Generator/Checker**
    - ECG74180
    - ECG74LS280
- **Buffer Gates**
  - **Quad 2-Input NAND**
    - ECG7437
    - ECG74LS37
  - **Quad 2-Input NOR**
    - ECG7428
    - ECG74LS28
  - **Dual 4-Input NAND**
    - ECG7440
    - ECG74H40
    - ECG74LS40
    - ECG74S40
- **Buffer Gates with Open Collector Output**
  - **Hex**
    - ECG7406
    - ECG7407
    - ECG7416
    - ECG7417
  - **Quad**
    - ECG74125
    - ECG74HC125
    - ECG74LS125A
    - ECG74126
    - ECG74HC126
    - ECG74LS126
  - **Quad 2-Input NAND**
    - ECG7438
    - ECG74LS38
    - ECG7439
  - **Quad 2-Input NOR**
    - ECG7433
    - ECG74LS33
- **Buffers/Drivers**
  - **Hex Inverting**
    - ECG7406
    - ECG7416
    - ECG80C96
  - **Hex Non-Inverting**
    - ECG7407
    - ECG7417
    - ECG80C95
    - ECG80C97
  - **Octal Inverting**
    - ECG74C240
    - ECG74HC240
    - ECG74HCT240
    - ECG74LS240
    - ECG74LS540
  - **Octal Non-Inverting**
    - ECG74LS241
    - ECG74C244
    - ECG74HC244
    - ECG74HCT244
    - ECG74LS244
    - ECG74LS541
- **Bus Drivers**
  - **Hex Inverting**
    - ECG74366
    - ECG74LS366A
    - ECG74368
    - ECG74LS368
    - ECG80C96
  - **Hex Non-Inverting**
    - ECG74365
    - ECG74LS365A
    - ECG74367
    - ECG74LS367
    - ECG80C95
    - ECG80C97
- **Bus Transceivers**
  - **Octal Inverting**
    - ECG74LS640
    - ECG74LS642
  - **Octal Inverting/Non-Inverting**
    - ECG74LS643
  - **Octal Non-Inverting**
    - ECG74LS245
    - ECG74LS641
    - ECG74LS645
  - **Quad Inverting**
    - ECG74LS242
  - **Quad Non-Inverting**
    - ECG74LS243
- **Counters, Asynchronous**
  - **Binary/Ripple**
    - ECG74HC4020
    - ECG74HC4040
    - ECG74HC4060
  - **Decade**
    - ECG7490
    - ECG74C90
    - ECG74LS90
    - ECG74290
    - ECG74LS290
  - **Dual Decade**
    - ECG74390
    - ECG74HC390
    - ECG74LS390
    - ECG74490
    - ECG74LS490
  - **4-Bit Binary**
    - ECG7493A
    - ECG74C93
    - ECG74L93
    - ECG74LS93
    - ECG74LS293
  - **Dual 4-Bit Binary**
    - ECG74393
    - ECG74HC393
    - ECG74LS393
  - **Divide-By-N**
    - ECG8520
  - **Divide-By-12**
    - ECG7492
    - ECG74LS92
- **Counters, Synchronous**
  - **Decade**
    - ECG74160
    - ECG74LS160A
    - ECG74162
    - ECG74LS162A

TTL Selector Guide (cont'd)

4-Bit Binary
ECG74161
ECG74C161
ECG74HC161
ECG74HCT161
ECG74LS161A
ECG74163
ECG74HC163
ECG74HCT163
ECG74LS163A
ECG8316
ECG8556
ECG93L16

- **Counters, Up/Down**

Decade
ECG74LS168A
ECG74190
ECG74LS190
ECG74192
ECG74C192
ECG74LS192

4-Bit Binary
ECG74LS169A
ECG74191
ECG74LS191
ECG74193
ECG74C193
ECG74LS193

- **Counter/Latch**

Decade
ECG74176
ECG74196
ECG74LS196

4-Bit Binary
ECG74177
ECG74197
ECG74LS197
ECG8554

- **Counters with Decoder/Drivers**

4-Bit Counters with 7-Segment Output
ECG74142

4-Digit with Multiplexed 7-Segment Output
ECG74C925

- **Data Selectors/Multiplexers**

Dual 4-Line-to-1-Line
ECG74153
ECG74HC153
ECG74LS153
ECG74S153
ECG74LS253
ECG74LS352
ECG74LS353
ECG8309

Quad 2-Line-to-1-Line
ECG74157
ECG74C157
ECG74LS157
ECG74S157
ECG74158
ECG74LS158
ECG74S158
ECG74HC257
ECG74LS257
ECG74LS258
ECG74S258
ECG8123
ECG8233

Quad 2-Line-to-1-Line with Storage
ECG74LS298
ECG74LS398
ECG74LS399

Quad 2-Line-to-1-Line (Open Collector)
ECG8234
ECG8235
ECG8266

8-Line-to-1-Line
ECG74151
ECG74C151
ECG74HC151
ECG74LS151
ECG74S151
ECG74152
ECG74251
ECG74LS251
ECG74S251

16-Line-to-1-Line
ECG74150
ECG8219

- **Decoder, 4-Line-to-10-Line**

BCD-to-Decimal
ECG7442
ECG74C42
ECG74LS42
ECG8301

Excess-3-to-Decimal
ECG7443

Excess-3-Gray-to-Decimal
ECG7444

- **Decoder/Demultiplexers**

Dual-2-Line-to-4-Line
ECG74HC139
ECG74LS139
ECG74155
ECG74LS155
ECG8321

Dual 2-Line-to-4-Line (Open Collector)
ECG74156
ECG74LS156

4-Line-to-16-Line
ECG74154
ECG74C154

3-Line-to-8-Line
ECG74HC138
ECG74HCT138
ECG74LS138
ECG74S138

- **Display Decoder/Drivers**

BCD-to-Decimal - Drives Cold Cathode Tubes
ECG74141

BCD-to-Decimal - Drives Gas Filled Tubes
ECG7441

BCD-to-Decimal (Open Collector)
ECG7445
ECG74145
ECG74LS145

BCD-to-7-Segment (Open Collector)
ECG7446
ECG7447
ECG74LS47
ECG74LS49
ECG74LS247
ECG74249
ECG74LS249

BCD-to-7-Segment
ECG7448
ECG74C48
ECG74LS48
ECG74LS248

- **Display Decoder/Drivers with Input Latches**

Hexadecimal-to-7-Segment - Drivers Common Anode LED
ECG8374

Hexadecimal-to-7-Segment - Drives Common Cathode LED
ECG8368

Hexadecimal-to-7-Segment - Open Collector Output
ECG8370

- **Display Decoder/Driver with Counter**

BCD-to-Decimal - Drives Gas Filled Tubes
ECG74142

4-Digit Counter with Multiplexed 7-Segment Output
ECG74C925

- **Encoders**

Keyboard Encoders
ECG74C922
ECG74C923

8-Line-to-3-Line - Octal Priority Encoder
ECG74LS148
ECG74LS348
ECG8318

10-Line-to-4-Line - Decimal-to-BCD Priority Encoder
ECG74147
ECG74LS147

- **Exclusive OR Gates**

Quad 2-Input
ECG7486
ECG74H86
ECG74HC86
ECG74LS86
ECG74S86
ECG74LS386

- **Exclusive OR Gates with Open Collector Output**

Quad 2-Input
ECG74136
ECG74LS136

- **Exclusive NOR Gates with Open Collector Output**

Quad 2-Input
ECG74LS266

- **Expandable Gates**

Dual 2-Wide 2-Input AND/OR/Invert
ECG7450
ECG74H50

TTL Selector Guide (cont'd)

Dual 4-Input NOR
ECG7423

2-Wide 4-Input AND/OR/ Invert
ECG74H55

4-Wide 2-Input AND/OR/ Invert
ECG7453

4-Wide 2-2-3-2-Input AND/OR/ Invert
ECG74H52
ECG74H53

- **Expandable AND/OR/Invert Gates**

Dual 2-Wide 2-Input
ECG7450
ECG74H50

2-Wide 4-Input
ECG74H55

4-Wide 2-Input
ECG7453

4-Wide 2-2-3-2-Input
ECG74H52
ECG74H53

- **Expander Gates**

Dual 4-Input
ECG7460
ECG74H60

Triple 3-Input
ECG74H61

4-Wide 2-3-3-2-Input
ECG74H62

- **Flip-Flops, Master-Slave (M-S) Types**

Dual J-K
ECG7473
ECG74H73
ECG74H76
ECG74H78
ECG74107

Gated J-K
ECG74H71
ECG7472
ECG74H72
ECG74110

- **Flip-Flops, J-K Edge Triggered Types**

Dual J-K Negative Edge Triggered
ECG74C73
ECG74LS73
ECG74C76
ECG74LS76A
ECG74LS78
ECG74H103
ECG74H106
ECG74C107
ECG74LS107
ECG74H108
ECG74LS112A
ECG74S112
ECG74LS113
ECG74S113
ECG74LS114
ECG74S114

Dual J-K Positive Edge Triggered
ECG74109
ECG74HC109
ECG74LS109A

Gated J-K Positive Edge Triggered
ECG7470

Gated J-K Negative Edge Triggered
ECG74H101
ECG74H102

- **Flip-Flops, "D" Types**

Dual
ECG7474
ECG74C74
ECG74H74
ECG74LS74A
ECG74S74

Hex
ECG74174
ECG74C174
ECG74HC174
ECG74HCT174
ECG74LS174
ECG74S174
ECG74LS378

Octal
ECG74HC273
ECG74HCT273
ECG74LS273
ECG74LS364
ECG74C374
ECG74HC374
ECG74HC574
ECG74HCT374
ECG74HCT574
ECG74LS374
ECG74HC377
ECG74LS377

Quad
ECG74175
ECG74C175
ECG74HC175
ECG74LS175
ECG74S175
ECG74LS379
ECG8613

- **Interface Gates, Hi-Voltage with Open Collector Output**

Hex Inverting
ECG7406
ECG7416

Hex Non-Inverting
ECG7407
ECG7417

Quad 2-Input NAND
ECG7426
ECG74LS26

- **Interface Buffers, Level Shifting**

Hex Inverting
ECG74C901
ECG74C903

Hex Non-Inverting
ECG74C902
ECG74C904

- **Inverters**

Hex
ECG7404
ECG74C04
ECG74H04
ECG74HC04
ECG74HCT04
ECG74LS04
ECG74S04

- **Inverters with Open Collector Output**

Hex
ECG7405
ECG74H05
ECG74LS05
ECG74S05
ECG7406
ECG7416

- **Latches**

Dual 4-Bit
ECG8308
ECG93L08

Octal "D"
ECG74LS363
ECG74C373
ECG74HC373
ECG74HC573
ECG74HCT373
ECG74HCT573
ECG74LS373

Quad $\overline{S}$ - $\overline{R}$
ECG74LS279

Quad Latch
ECG8314

4-Bit Bistable
ECG7475
ECG74LS75
ECG74LS77

8-Bit Addressable
ECG74HC259
ECG74LS259

- **Level Shifters (See Interface Buffers)**

- **Line Drivers and Receivers**

Dual 4-Input NAND 50 Ohm Line Driver
ECG74S140

Dual Differential Line Receiver
ECG9615

Octal Inverting Line Driver/ Receiver
ECG74C240
ECG74HC240
ECG74HCT240
ECG74LS240
ECG74LS540

Octal Non-Inverting Line Driver/Receiver
ECG74LS241
ECG74C244
ECG74HC244
ECG74HCT244
ECG74LS244
ECG74LS541

Quad 2-Input NOR 50 Ohm Line Driver
ECG74128

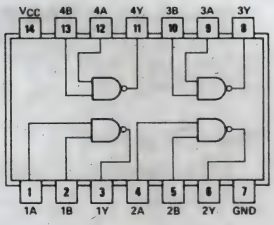
TTL Selector Guide (cont'd)

- **Multiplexers/Demultiplexers**
  - ECG74HC4053
  - ECG74HC4067
- **Multivibrators, Monostable (One Shots)**
  - **Monostable**
    - ECG74121
  - **Retriggerable/Resettable Monostable**
    - ECG9600
  - **Dual Retriggerable/Resettable Monostable**
    - ECG8853
    - ECG9602
    - ECG96L02
    - ECG96LS02
    - ECG96S02
  - **Retriggerable Monostable**
    - ECG74122
    - ECG74LS122
    - ECG74221
    - ECG74C221
    - ECG74LS221
    - ECG9601
  - **Dual Retriggerable Monostable**
    - ECG74123
    - ECG74HC123
    - ECG74LS123
- **NAND Gates**
  - **Quad 2-Input**
    - ECG7400
    - ECG74C00
    - ECG74H00
    - ECG74HC00
    - ECG74HCT00
    - ECG74LS00
    - ECG74S00
    - ECG7437
    - ECG74LS37
  - **Triple 3-Input**
    - ECG7410
    - ECG74C10
    - ECG74H10
    - ECG74HC10
    - ECG74LS10
    - ECG74S10
  - **Dual 4-Input**
    - ECG7420
    - ECG74C20
    - ECG74H20
    - ECG74LS20
    - ECG74S20
    - ECG7440
    - ECG74H40
    - ECG74LS40
    - ECG74S40
  - **Dual 5-Input**
    - ECG8092
  - **8-Input**
    - ECG7430
    - ECG74C30
    - ECG74H30
    - ECG74LS30
    - ECG74S30
  - **12-Input**
    - ECG74S134
  - **13-Input**
    - ECG74LS133
    - ECG74S133
- **NAND Gates with Open Collector Output**
  - **Quad 2-Input**
    - ECG7401
    - ECG74H01
    - ECG74LS01
    - ECG7403
    - ECG74LS03
    - ECG74S03
    - ECG7426
    - ECG74LS26
    - ECG7438
    - ECG74LS38
    - ECG7439
  - **Triple 3-Input**
    - ECG7412
    - ECG74LS12
  - **Dual 4-Input**
    - ECG7422
    - ECG74H22
    - ECG74LS22
    - ECG74S22
- **NOR Gates**
  - **Quad 2-Input**
    - ECG7402
    - ECG74C02
    - ECG74HC02
    - ECG74LS02
    - ECG74S02
    - ECG7428
    - ECG74LS28
  - **Triple 3-Input**
    - ECG7427
    - ECG74LS27
  - **Dual 4-Input**
    - ECG7425
  - **Dual 5-Input**
    - ECG74LS260
  - **Expandable Dual 4-Input**
    - ECG7423
- **NOR Gates with Open Collector Output**
  - **Quad 2-Input**
    - ECG7433
    - ECG74LS33
- **OR Gates**
  - **Quad 2-Input**
    - ECG7432
    - ECG74C32
    - ECG74HC32
    - ECG74HCT32
    - ECG74LS32
- **Registers**
  - **Quad I/O**
    - ECG8542
  - **4-Bit "D"**
    - ECG74173
    - ECG74C173
    - ECG74HC173
    - ECG74LS173
  - **4-Bit x 16 Word FIFO**
    - ECG74HC40105
- **Schmitt Triggers**
  - **Dual 4-Input NAND**
    - ECG7413
    - ECG74LS13
  - **Hex Inverter**
    - ECG7414
    - ECG74C14
    - ECG74HC14
    - ECG74HCT14
    - ECG74LS14
  - **Quad 2-Input NAND**
    - ECG74132
    - ECG74HC132
    - ECG74LS132
- **Shift Registers**
  - **4-Bit Parallel-In/Serial Out**
    - ECG7494
  - **4-Bit Parallel**
    - ECG74179
    - ECG74195
    - ECG74LS195A
  - **4-Bit Universal**
    - ECG74LS395A
  - **4-Bit Bidirectional Universal**
    - ECG74LS194A
    - ECG74S194
    - ECG74LS295A
  - **4-Bit Bidirectional Parallel**
    - ECG7495
    - ECG74C95
    - ECG74LS95B
  - **5-Bit Serial-In/Parallel-Out or Parallel-In/Serial-Out**
    - ECG7496
  - **8-Bit Serial**
    - ECG7491
    - ECG74LS91
  - **8-Bit Serial-In/Parallel-Out**
    - ECG74164
    - ECG74C164
    - ECG74HC164
    - ECG74LS164
  - **8-Bit Parallel-In/Serial-Out**
    - ECG74165
    - ECG74HC165
    - ECG74LS165
  - **8-Bit Universal**
    - ECG74199
  - **8-Bit Bidirectional Universal**
    - ECG74198
    - ECG74HC299
    - ECG74LS299
  - **8-Bit Serial or Parallel-In/Parallel-Out**
    - ECG74166
    - ECG74LS166
  - **Dual 8-Bit Serial**
    - ECG8328
- **Voltage Controlled Oscillators (VCO)**
  - **Single**
    - ECG74LS624
  - **Dual**
    - ECG74S124
    - ECG74LS625
    - ECG74LS626
    - ECG74LS627
    - ECG74LS629

TTL Logic Diagrams (V_{CC} = +5 V Nom.)

Diag. 1 — 14-Pin DIP See Fig. D6

ECG7400, ECG74C00, ECG74H00, ECG74HC00, ECG74HCT00, ECG74LS00, ECG74S00

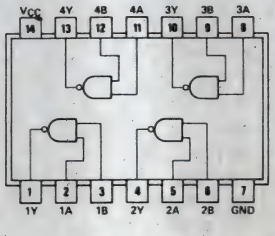


Quad 2-Input NAND Gate

Diag. 2 — 14-Pin DIP See Fig. D6

(See Also Diag. 3)

ECG7401, ECG74LS01

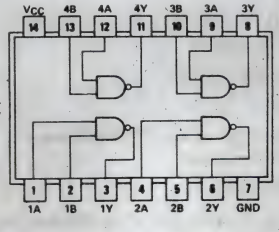


Quad 2-Input NAND Gate with Open Collector Output

Diag. 3 — 14-Pin DIP See Fig. D6

(See Also Diag. 2)

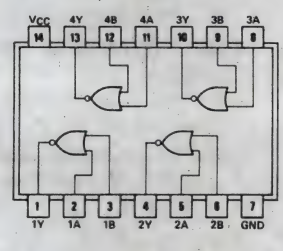
ECG74H01



Quad 2-Input NAND Gate with Open Collector Output

Diag. 4 — 14-Pin DIP See Fig. D6

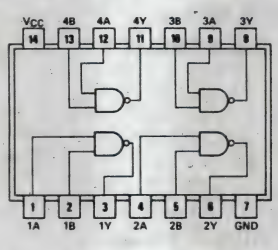
ECG7402, ECG74C02, ECG74HC02, ECG74LS02, ECG74S02



Quad 2-Input NOR Gate

Diag. 5 — 14-Pin DIP See Fig. D6

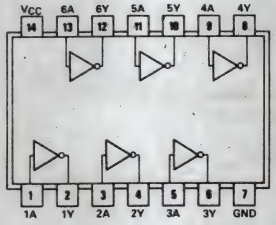
ECG7403, ECG74LS03, ECG74S03



Quad 2-Input NAND Gate with Open Collector Output

Diag. 6 — 14-Pin DIP See Fig. D6

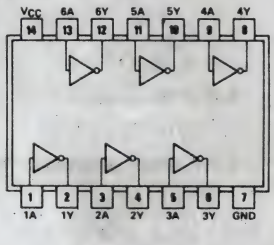
ECG7404, ECG74C04, ECG74H04, ECG74HC04, ECG74HCT04, ECG74LS04, ECG74S04



Hex Inverter

Diag. 7 — 14-Pin DIP See Fig. D6

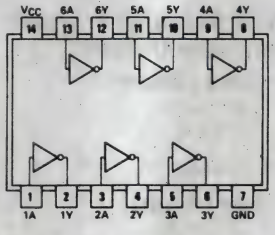
ECG7405, ECG74H05, ECG74LS05, ECG74S05



Hex Inverter with Open Collector Output

Diag. 8 — 14-Pin DIP See Fig. D6

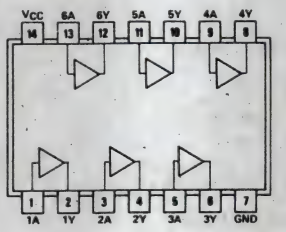
ECG7406



Hex Inverter/Buffer with Hi-Volt (30 V) Open Collector Output

Diag. 9 — 14-Pin DIP See Fig. D6

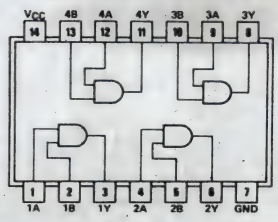
ECG7407



Hex Buffer with Hi-Volt (30 V) Open Collector Output

Diag. 10 — 14-Pin DIP See Fig. D6

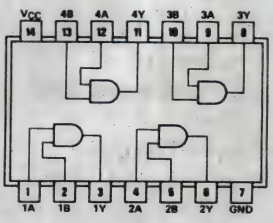
ECG7408, ECG74C08, ECG74H08, ECG74HC08, ECG74HCT08, ECG74LS08, ECG74S08



Quad 2-Input AND Gate

Diag. 11 — 14-Pin DIP See Fig. D6

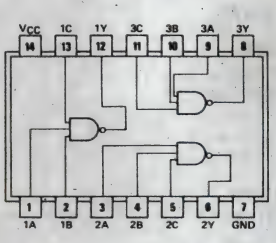
ECG7409, ECG74LS09, ECG74S09



Quad 2-Input AND Gate with Open Collector Output

Diag. 12 — 14-Pin DIP See Fig. D6

ECG7410, ECG74C10, ECG74H10, ECG74HC10, ECG74LS10, ECG74S10



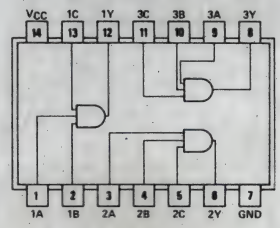
Triple 3-Input NAND Gate

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 13 — 14-Pin DIP See Fig. D6

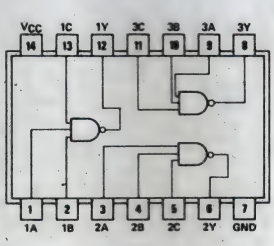
ECG7411, ECG74H11, ECG74HC11, ECG74LS11, ECG74S11



Triple 3-Input AND Gate

Diag. 14 — 14-Pin DIP See Fig. D6

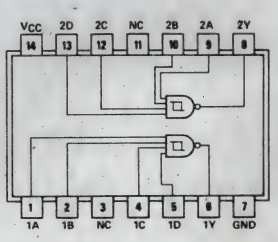
ECG7412, ECG74LS12



Triple 3-Input NAND Gate with Open Collector Output

Diag. 15 — 14-Pin DIP See Fig. D6

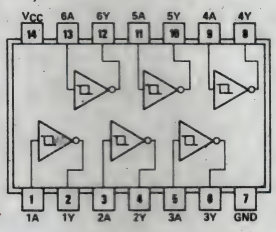
ECG7413, ECG74LS13



Dual 4-Input NAND Schmitt Trigger

Diag. 16 — 14-Pin DIP See Fig. D6

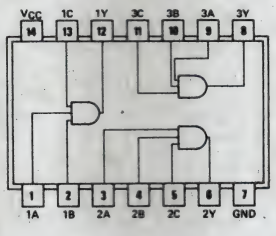
ECG7414, ECG74C14, ECG74HC14, ECG74HCT14, ECG74LS14



Hex Schmitt Trigger Inverter

Diag. 17 — 14-Pin DIP See Fig. D6

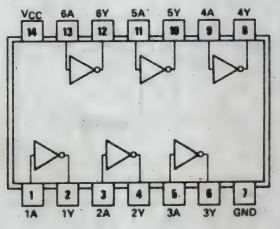
ECG74LS15, ECG74S15



Triple 3-Input AND Gate with Open Collector Output

Diag. 18 — 14-Pin DIP See Fig. D6

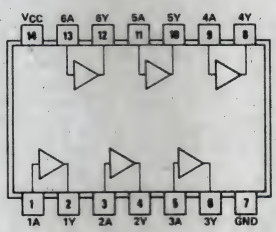
ECG7416



Hex Inverter/Buffer with Hi-Volt (15 V) Open Collector Output

Diag. 19 — 14-Pin DIP See Fig. D6

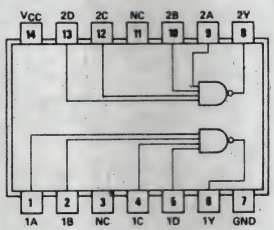
ECG7417



Hex Buffer with Hi-Volt (15 V) Open Collector Output

Diag. 20 — 14-Pin DIP See Fig. D6

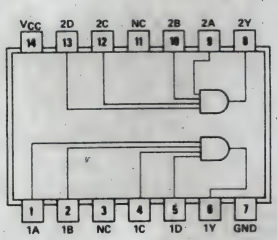
ECG7420, ECG74C20, ECG74H20, ECG74LS20, ECG74S20



Dual 4-Input NAND Gate

Diag. 21 — 14-Pin DIP See Fig. D6

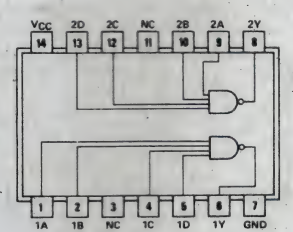
ECG7421, ECG74H21, ECG74LS21



Dual 4-Input AND Gate

Diag. 22 — 14-Pin DIP See Fig. D6

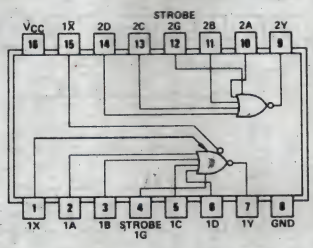
ECG7422, ECG74H22, ECG74LS22, ECG74S22



Dual 4-Input NAND Gate with Open Collector Output

Diag. 23 — 16-Pin DIP See Fig. D8

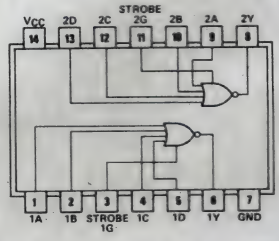
ECG7423



Expandable Dual 4-Input NOR Gate with Strobe

Diag. 24 — 14-Pin DIP See Fig. D6

ECG7425



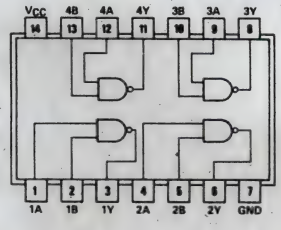
Dual 4-Input NOR Gate with Strobe

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 25 — 14-Pin DIP See Fig. D6

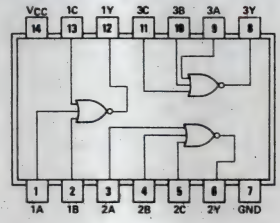
ECG7426, ECG74LS26



Quad 2-Input Hi-Volt Interface NAND Gate with Open Collector Output

Diag. 26 — 14-Pin DIP See Fig. D6

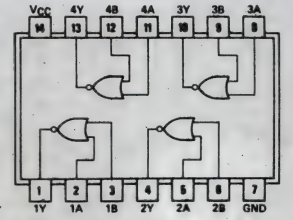
ECG7427, ECG74LS27



Triple 3-Input NOR Gate

Diag. 27 — 14-Pin DIP See Fig. D6

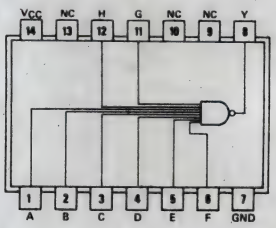
ECG7428, ECG74LS28



Quad 2-Input NOR Buffer

Diag. 28 — 14-Pin DIP See Fig. D6

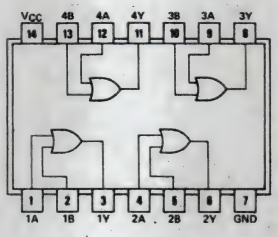
ECG7430, ECG74C30, ECG74H30, ECG74LS30, ECG74S30



8-Input NAND Gate

Diag. 29 — 14-Pin DIP See Fig. D6

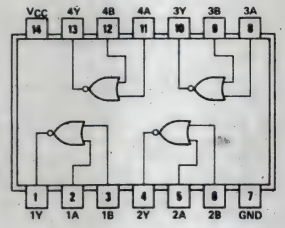
ECG7432, ECG74C32, ECG74HC32, ECG74HCT32, ECG74LS32



Quad 2-Input OR Gate

Diag. 30 — 14-Pin DIP See Fig. D6

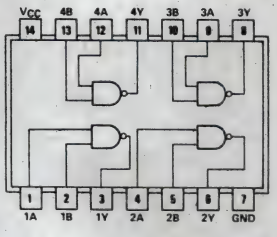
ECG7433, ECG74LS33



Quad 2-Input NOR Buffer with Open Collector Output

Diag. 31 — 14-Pin DIP See Fig. D6

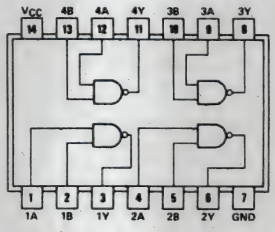
ECG7437, ECG74LS37



Quad 2-Input NAND Buffer

Diag. 32 — 14-Pin DIP See Fig. D6

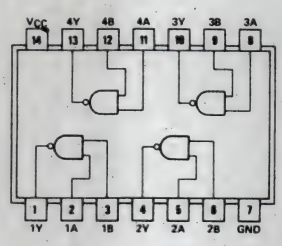
ECG7438, ECG74LS38



Quad 2-Input NAND Buffer with Open Collector Output

Diag. 33 — 14-Pin DIP See Fig. D6

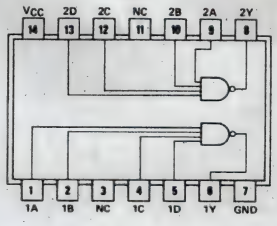
ECG7439



Quad 2-Input NAND Buffer with Open Collector Output

Diag. 34 — 14-Pin DIP See Fig. D6

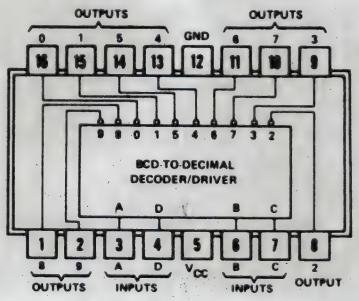
ECG7440, ECG74H40, ECG74LS40, ECG74S40



Dual 4-Input NAND Buffer

Diag. 35 — 16-Pin DIP See Fig. D8

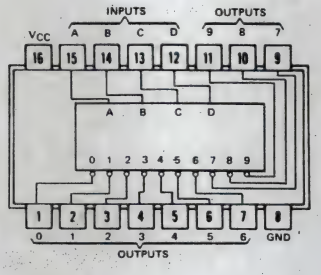
ECG7441



BCD-to-Decimal Decoder/Driver for Gas Filled Tubes

Diag. 36 — 16-Pin DIP See Fig. D8

ECG7442, ECG74C42, ECG74LS42

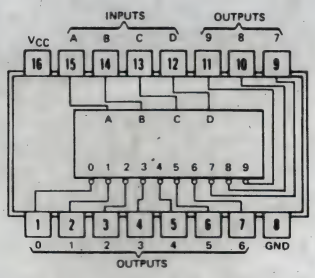


BCD-to-Decimal Decoder

Package Outlines - See Page 1-357

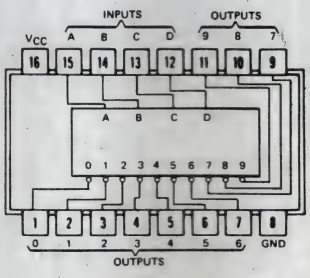
TTL Logic Diagrams (cont'd)

Diag. 37 16-Pin DIP See Fig. D8
ECG7443



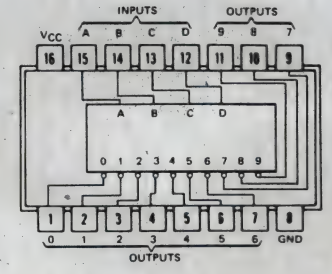
Excess-3-to-Decimal Decoder

Diag. 38 16-Pin DIP See Fig. D8
ECG7444



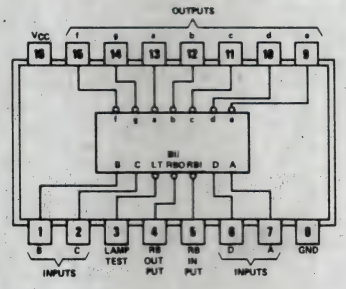
Excess-3-Gray-to-Decimal Decoder

Diag. 39 16-Pin DIP See Fig. D8
ECG7445



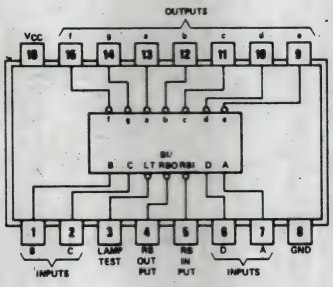
BCD-to-Decimal Decoder/Driver with Open Collector Output

Diag. 40 16-Pin DIP See Fig. D8
ECG7446



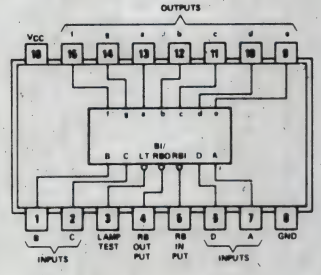
BCD-to-7-Segment Decoder/Driver with Hi-Volt (30 V) Open Collector Output

Diag. 41 16-Pin DIP See Fig. D8
ECG7447, ECG74LS47



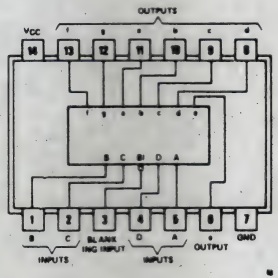
BCD-to-7-Segment Decoder/Driver with Hi-Volt (15 V) Open Collector Output

Diag. 42 16-Pin DIP See Fig. D8
ECG7448, ECG74C48, ECG74LS48



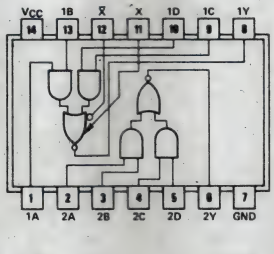
BCD-to-7-Segment Decoder/Driver

Diag. 43 14-Pin DIP See Fig. D6
ECG74LS49



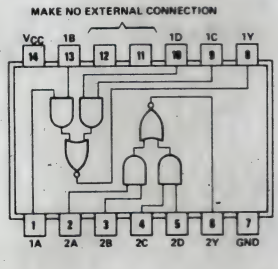
BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 44 14-Pin DIP See Fig. D6
ECG7450, ECG74H50



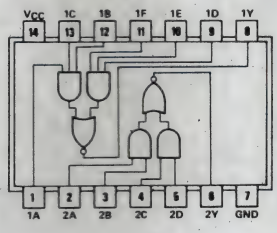
Dual 2-Wide 2-Input AND/OR/Invert Gate (One Gate Expandable)

Diag. 45 14-Pin DIP See Fig. D6
(See also Diag. 46)
ECG7451, ECG74H51, ECG74S51



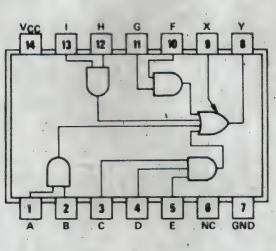
Dual 2-Wide 2-Input AND/OR/Invert Gate

Diag. 46 14-Pin DIP See Fig. D6
(See also Diag. 45)
ECG74LS51



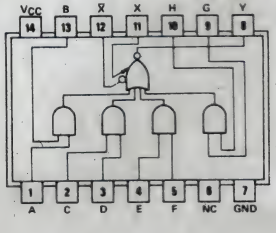
Dual 2-Wide 2-Input, 2-Wide 3-Input AND/OR/Invert Gate

Diag. 47 14-Pin DIP See Fig. D6
ECG74H52



Expandable 4-Wide 2-Input 2-3-2-2 Input AND/OR Gate

Diag. 48 14-Pin DIP See Fig. D6
(See also Diag. 49)
ECG7453

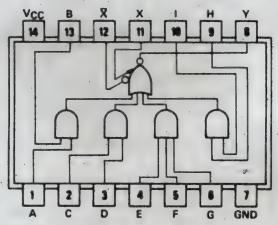


Expandable 4-Wide 2-Input AND/OR/Invert Gate

Package Outlines - See Page 1-357

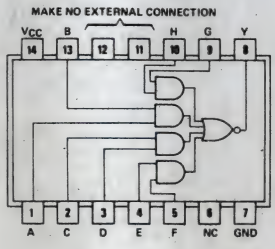
TTL Logic Diagrams (cont'd)

Diag. 49 14-Pin DIP See Fig. D6
(See also Diag. 48)
ECG74H53



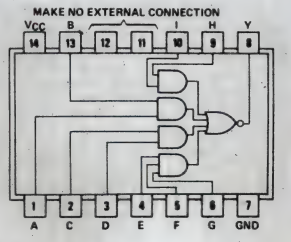
Expandable 4-Wide 2-2-3-2 Input AND/OR/Invert Gate

Diag. 50 14-Pin DIP See Fig. D6
(See also Diag. 51 and 52)
ECG7454



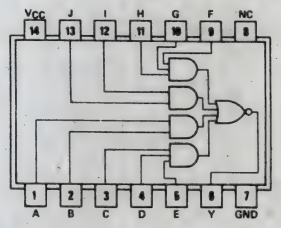
4-Wide 2-Input AND/OR/Invert Gate

Diag. 51 14-Pin DIP See Fig. D6
(See also Diag. 50 and 52)
ECG74H54



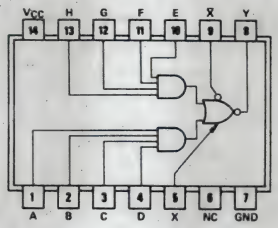
4-Wide 2-2-2-3 Input AND/OR/Invert Gate

Diag. 52 14-Pin DIP See Fig. D6
(See also Diag. 50 and 51)
ECG74LS54



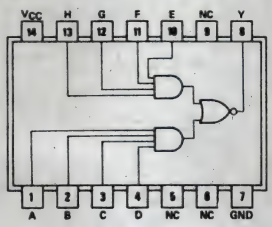
4-Wide 3-2-2-3 Input AND/OR/Invert Gate

Diag. 53 14-Pin DIP See Fig. D6
(See also Diag. 54)
ECG74H55



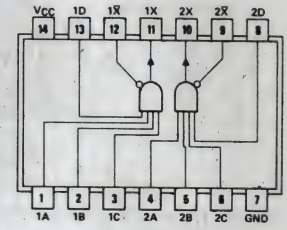
Expandable 2-Wide 4-Input AND/OR/Invert Gate

Diag. 54 14-Pin DIP See Fig. D6
(See also Diag. 53)
ECG74LS55



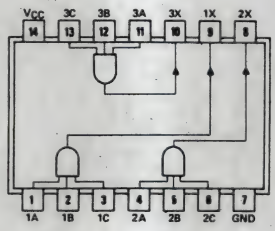
2-Wide 4-Input AND/OR/Invert Gate

Diag. 55 14-Pin DIP See Fig. D6
ECG7460, ECG74H60



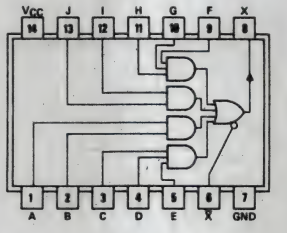
Dual 4-Input Expander

Diag. 56 14-Pin DIP See Fig. D6
ECG74H61



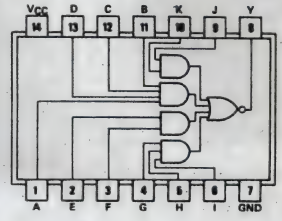
Triple 3-Input Expander

Diag. 57 14-Pin DIP See Fig. D6
ECG74H62



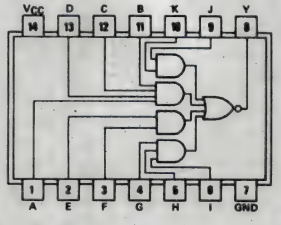
4-Wide 3-2-2-3 Input AND/OR Expander

Diag. 58 14-Pin DIP See Fig. D6
ECG74S64



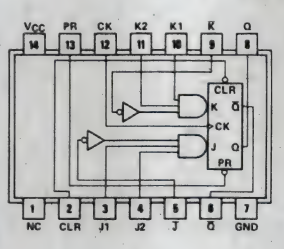
4-Wide 4-2-3-2 Input AND/OR/Invert Gate

Diag. 59 14-Pin DIP See Fig. D6
ECG74S65



4-Wide 4-2-3-2 Input AND/OR/Invert Gate with Open Collector Output

Diag. 60 14-Pin DIP See Fig. D6
ECG7470



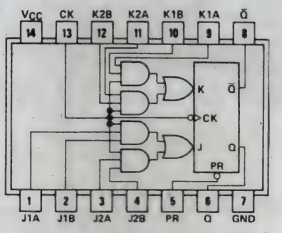
Gated J-K Positive Edge Triggered Flip-Flop with Preset and Clear

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 61 — 14-Pin DIP See Fig. D6

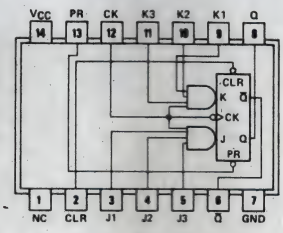
ECG74H71



Gated J-K M/S Flip-Flop with Preset

Diag. 62 — 14-Pin DIP See Fig. D6

ECG7472, ECG74H72

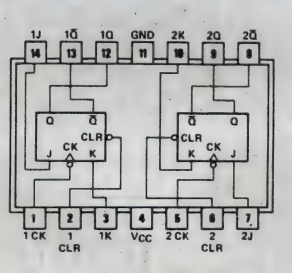


Gated J-K M/S Flip-Flop with Preset and Clear

Diag. 63 — 14-Pin DIP See Fig. D6

(See also Diag. 64)

ECG7473, ECG74H73

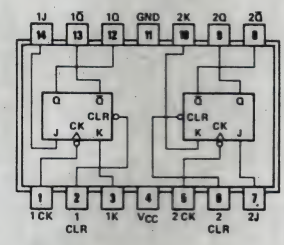


Dual J-K M/S Flip-Flop with Clear

Diag. 64 — 14-Pin DIP See Fig. D6

(See also Diag. 63)

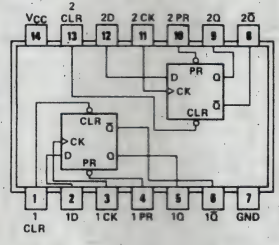
ECG74C73, ECG74LS73



Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 65 — 14-Pin DIP See Fig. D6

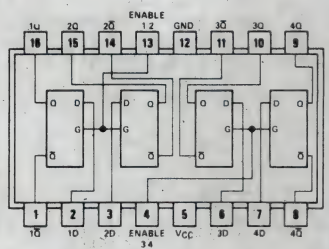
ECG7474, ECG74C74, ECG74H74, ECG74LS74A, ECG74S74



Dual "D" Flip-Flop with Preset and Clear

Diag. 66 — 16-Pin DIP See Fig. D8

ECG7475, ECG74LS75

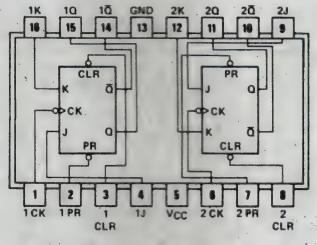


4-Bit Bistable Latch with Complementary Outputs

Diag. 67 — 16-Pin DIP See Fig. D8

(See also Diag. 68)

ECG7476*, ECG74H76



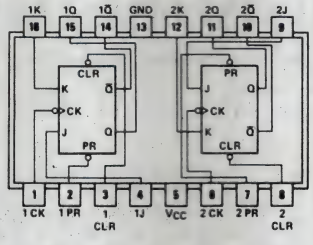
Dual J-K M/S Flip-Flop with Preset and Clear

*Discontinued

Diag. 68 — 16-Pin DIP See Fig. D8

(See also Diag. 67)

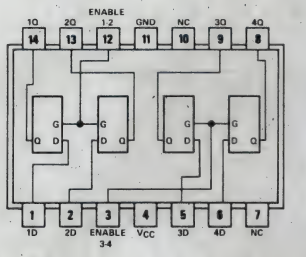
ECG74C76, ECG74LS76A



Dual J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 69 — 14-Pin DIP See Fig. D6

ECG74LS77

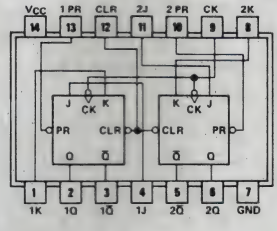


4-Bit Bistable Latch

Diag. 70 — 14-Pin DIP See Fig. D6

(See also Diag. 71)

ECG74H78

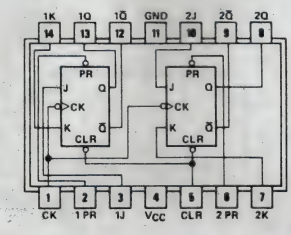


Dual J-K M/S Flip-Flop with Presets and a Common Clock and Clear

Diag. 71 — 14-Pin DIP See Fig. D6

(See also Diag. 70)

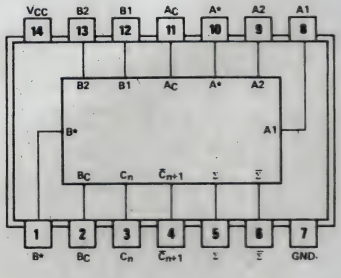
ECG74LS78



Dual J-K Negative Edge Triggered Flip-Flop with Presets and a Common Clock and Clear

Diag. 72 — 14-Pin DIP See Fig. D6

ECG7480



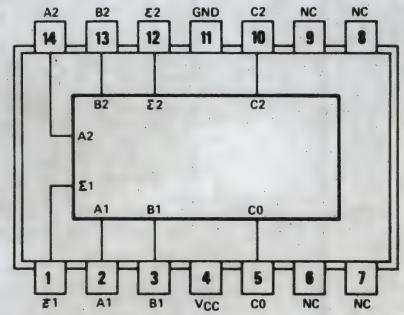
Gated Full Adder with Complementary Sum Outputs

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 74 — 14-Pin DIP See Fig. D6

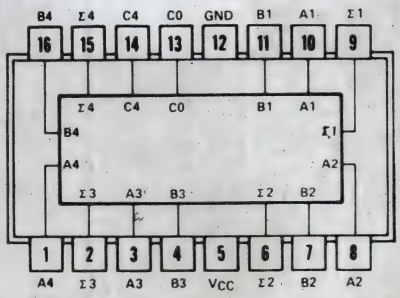
ECG7482



2-Bit Binary Full Adder

Diag. 75 — 16-Pin DIP See Fig. D8

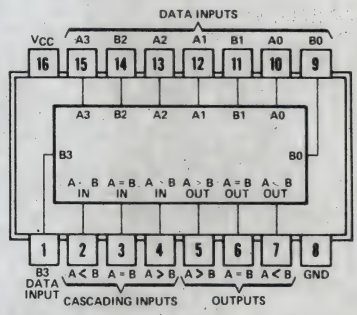
ECG7483, ECG74LS83A



4-Bit Full Adder

Diag. 76 — 16-Pin DIP See Fig. D8

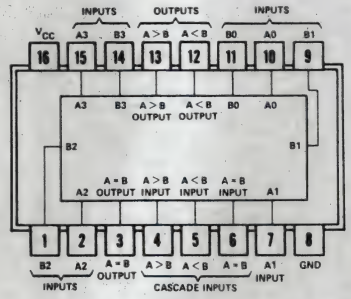
ECG7485, ECG74LS85



4-Bit Magnitude Comparator

Diag. 77 — 16-Pin DIP See Fig. D8

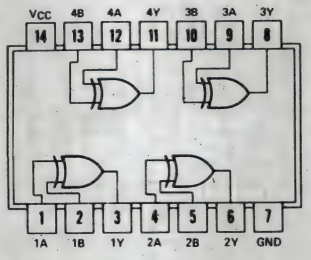
ECG74C85



4-Bit Magnitude Comparator

Diag. 78 — 14-Pin DIP See Fig. D6

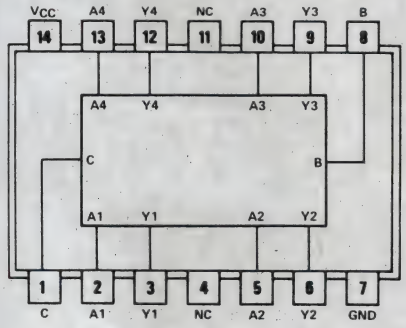
ECG7486, ECG74H86, ECG74HC86, ECG74LS86, ECG74S86



Quad Exclusive OR Gate

Diag. 79 — 14-Pin DIP See Fig. D6

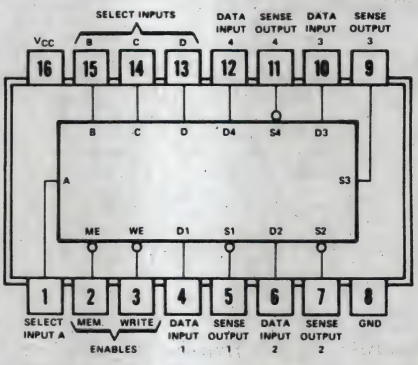
ECG74H87



4-Bit True/Complement Zero/One Element

Diag. 80 — 16-Pin DIP See Fig. D8

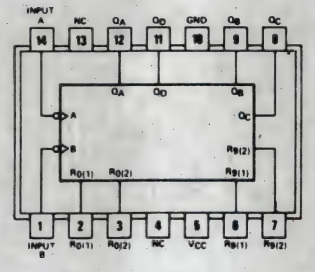
ECG7489



64-Bit RAM (16 x 4)

Diag. 81 — 14-Pin DIP See Fig. D6

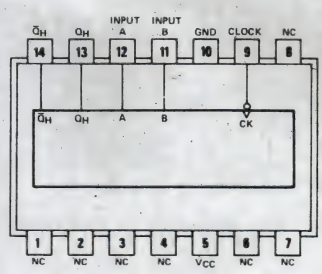
ECG7490, ECG74C90, ECG74LS90



Decade Counter

Diag. 82 — 14-Pin DIP See Fig. D6

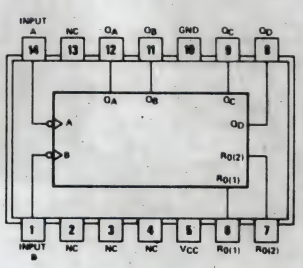
ECG7491, ECG74LS91



8-Bit Serial Shift Register

Diag. 83 — 14-Pin DIP See Fig. D6

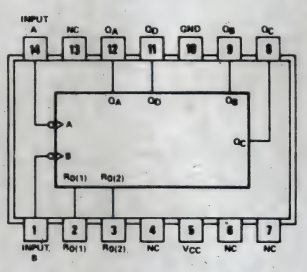
ECG7492, ECG74LS92



Divide-by-12 Counter

Diag. 84 — 14-Pin DIP See Fig. D6

ECG7493A, ECG74LS93



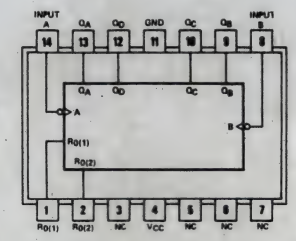
4-Bit Binary Counter

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 85 — 14-Pin DIP See Fig. D6

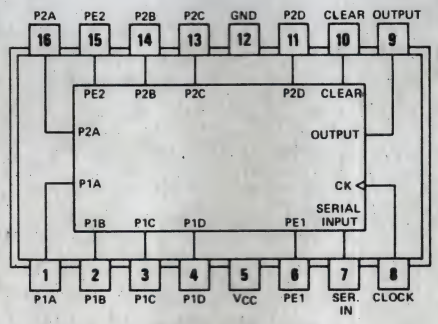
ECG74C93, ECG74L93



4-Bit Binary Counter

Diag. 86 — 16-Pin DIP See Fig. D8

ECG7494

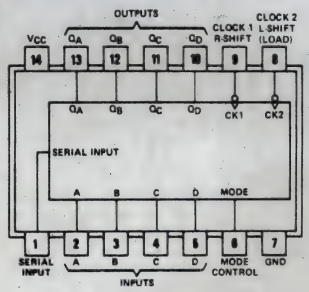


4-Bit Serial or Parallel Shift Register

Diag. 87 — 14-Pin DIP See Fig. D6

(See also Diag. 88)

ECG7495, ECG74LS95B

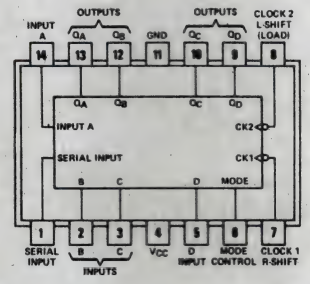


4-Bit Bidirectional Parallel Shift Register

Diag. 88 — 14-Pin DIP See Fig. D6

(See also Diag. 87)

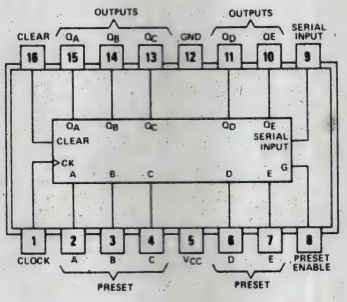
ECG74C95



4-Bit Bidirectional Parallel Shift Register

Diag. 89 — 16-Pin DIP See Fig. D8

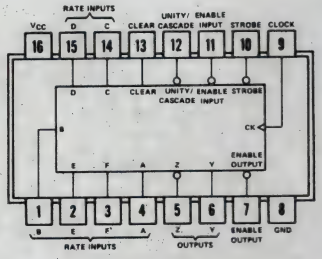
ECG7496



5-Bit Serial-In/Parallel-Out or Parallel-In/ Serial-Out Shift Register

Diag. 90 — 16-Pin DIP See Fig. D8

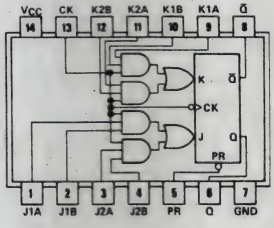
ECG7497



Synchronous 6-Bit Binary Rate Multiplier

Diag. 91 — 14-Pin DIP See Fig. D6

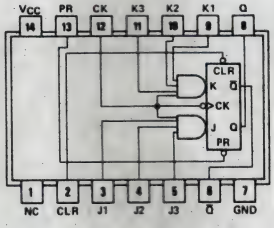
ECG74H101



Gated J-K Negative Edge Triggered Flip-Flop with Preset

Diag. 92 — 14-Pin DIP See Fig. D6

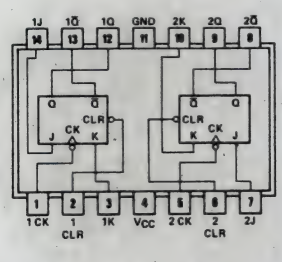
ECG74H102



Gated J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 93 — 14-Pin DIP See Fig. D6

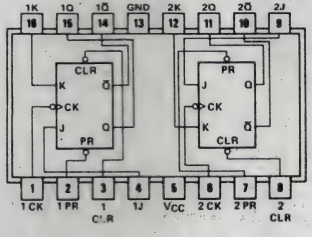
ECG74H103



Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 94 — 16-Pin DIP See Fig. D8

ECG74H106

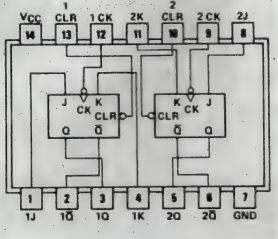


Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 95 — 14-Pin DIP See Fig. D6

(See also Diag. 96)

ECG74107

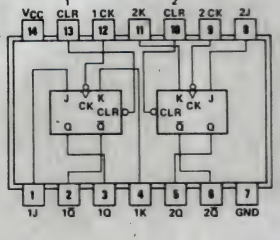


Dual J-K M/S Flip-Flop with Clear

Diag. 96 — 14-Pin DIP See Fig. D6

(See also Diag. 95)

ECG74C107, ECG74LS107



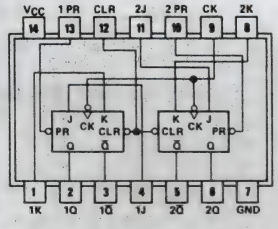
Dual J-K Negative Edge Triggered Flip-Flop with Clear

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 97 — 14-Pin DIP See Fig. D6

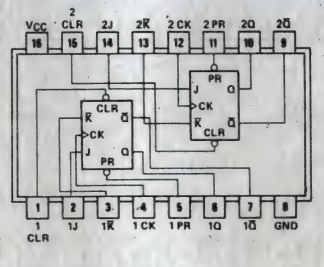
ECG74H108



Dual J-K Negative Edge Triggered Flip-Flop with Clear

Diag. 98 — 16-Pin DIP See Fig. D8

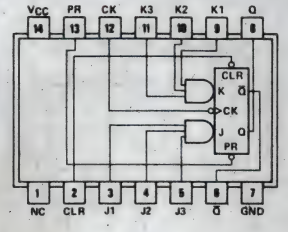
ECG74109, ECG74HC109, ECG74LS109A



Dual J-$\overline{K}$ Positive Edge Triggered Flip-Flop with Preset and Clear

Diag. 99 — 14-Pin DIP See Fig. D6

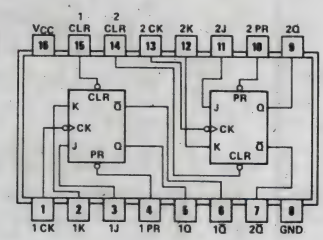
ECG74110



Gated J-K M/S Flip-Flop with Preset and Clear

Diag. 101 — 16-Pin DIP See Fig. D8

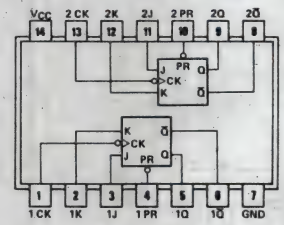
ECG74LS112A, ECG74S112



Dual J-K Negative Edge Triggered Flip-Flop with Preset and Clear

Diag. 102 — 14-Pin DIP See Fig. D6

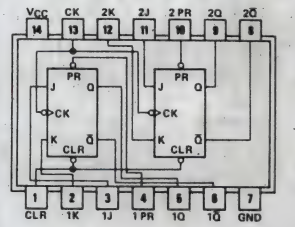
ECG74LS113, ECG74S113



Dual J-K Negative Edge Triggered Flip-Flop with Preset

Diag. 103 — 14-Pin DIP See Fig. D6

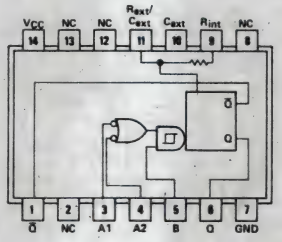
ECG74LS114, ECG74S114



Dual J-K Negative Edge Triggered Flip-Flop with Presets and a Common Clock and Clear

Diag. 104 — 14-Pin DIP See Fig. D6

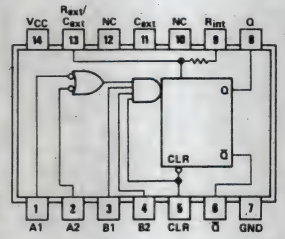
ECG74121



Monostable Multivibrator

Diag. 105 — 14-Pin DIP See Fig. D6

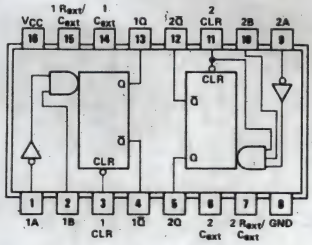
ECG74122, ECG74LS122



Retriggerable Monostable Multivibrator with Clear

Diag. 106 — 16-Pin DIP See Fig. D8

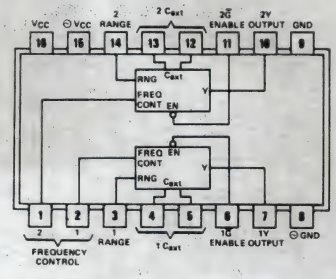
ECG74123, ECG74HC123, ECG74LS123



Dual Retriggerable Monostable Multivibrator with Clear

Diag. 107 — 16-Pin DIP See Fig. D8

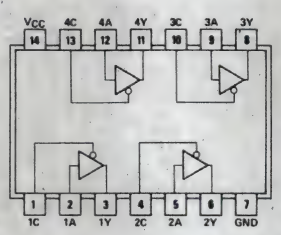
ECG74S124



Dual Voltage Controlled Oscillator

Diag. 108 — 14-Pin DIP See Fig. D6

ECG74125, ECG74HC125, ECG74LS125A



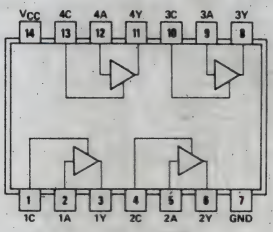
Quad Bus Buffer with 3-State Output (Active Low)

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 109 — 14-Pin DIP See Fig. D6

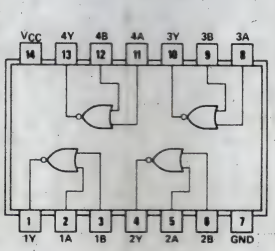
ECG74126, ECG74HC126, ECG74LS126



Quad Bus Buffer with 3-State Output (Active High)

Diag. 110 — 14-Pin DIP See Fig. D6

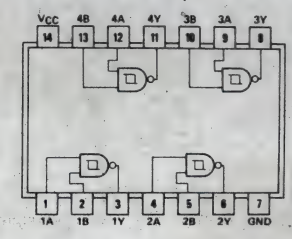
ECG74128



Quad 2-Input NOR 50 Ohm Line Driver

Diag. 111 — 14-Pin DIP See Fig. D6

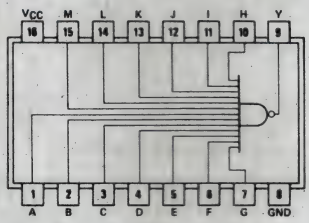
ECG74132, ECG74HC132, ECG74LS132



Quad 2-Input NAND Schmitt Trigger

Diag. 112 — 16-Pin DIP See Fig. D8

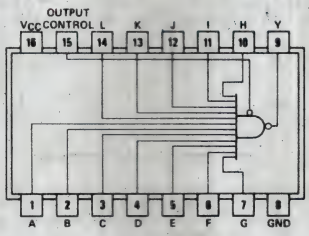
ECG74LS133, ECG74S133



13-Input NAND Gate

Diag. 113 — 16-Pin DIP See Fig. D8

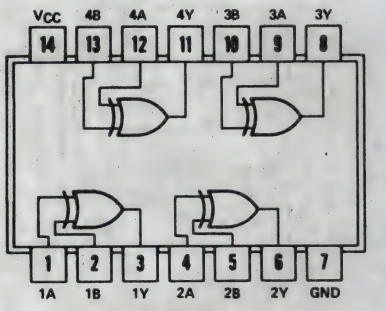
ECG74S134



12-Input NAND Gate with 3-State Output

Diag. 114 — 14-Pin DIP See Fig. D6

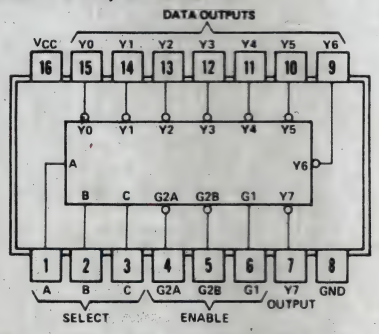
ECG74136, ECG74LS136



Quad Exclusive OR Gate with Open Collector Output

Diag. 115 — 16-Pin DIP See Fig. D8

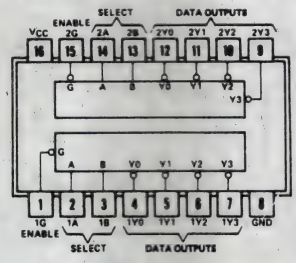
ECG74HC138, ECG74HCT138, ECG74LS138, ECG74S138



3-Line-to-8-Line Decoder/Demultiplexer

Diag. 116 — 16-Pin DIP See Fig. D8

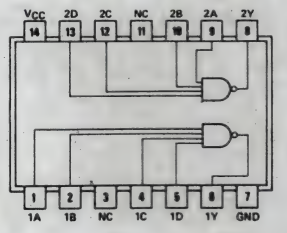
ECG74HC139, ECG74LS139



Dual 2-Line-to-4-Line Decoder/Demultiplexer

Diag. 117 — 14-Pin DIP See Fig. D6

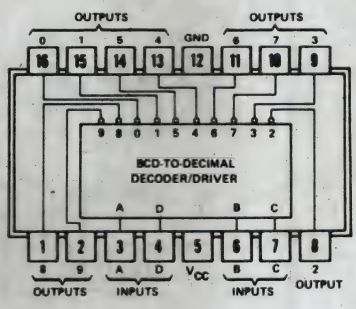
ECG74S140



Dual 4-Input NAND 50 Ohm Line Driver

Diag. 118 — 16-Pin DIP See Fig. D8

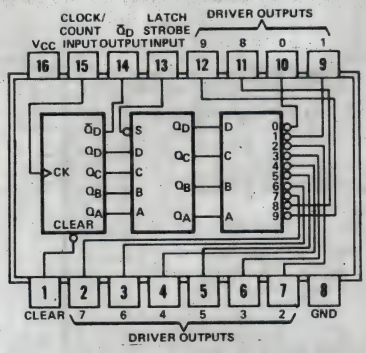
ECG74141



BCD-to-Decimal Decoder/Driver for Cold Cathode Tubes

Diag. 119 — 16-Pin DIP See Fig. D8

ECG74142



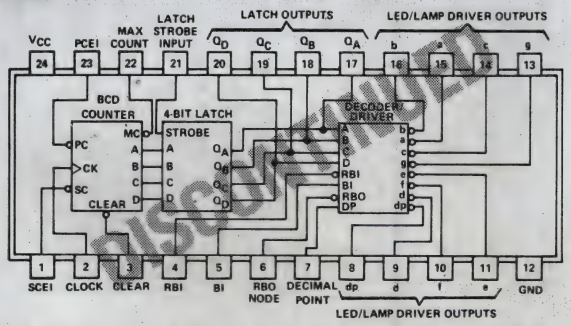
BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 120 — 24-Pin DIP See Fig. D15

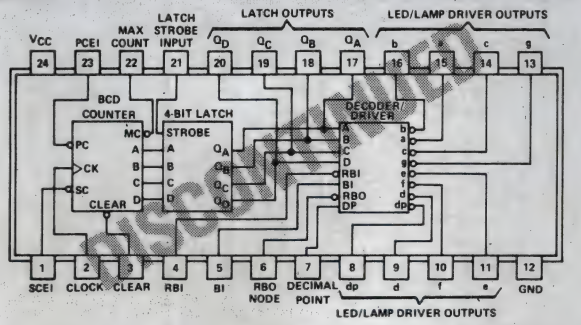
ECG74143



BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver with Constant Current Output

Diag. 121 — 24-Pin DIP See Fig. D15

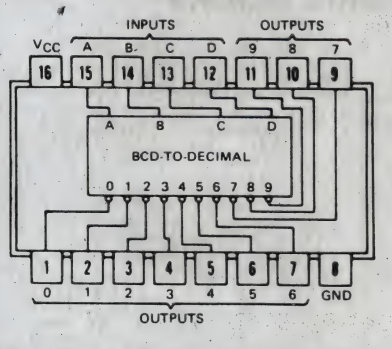
ECG74144



BCD Counter/4-Bit Latch/BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 122 — 16-Pin DIP See Fig. D8

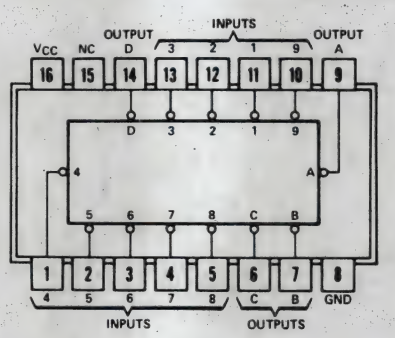
ECG74145, ECG74LS145



BCD-to-Decimal Decoder Driver with Open Collector Output

Diag. 123 — 16-Pin DIP See Fig. D8

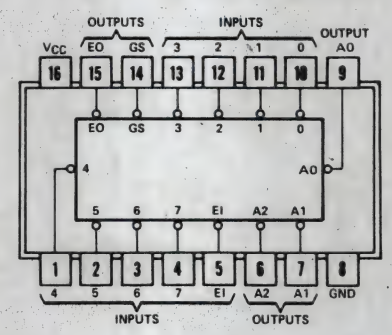
ECG74147, ECG74LS147



Decimal-to-BCD-Priority Encoder

Diag. 124 — 16-Pin DIP See Fig. D8

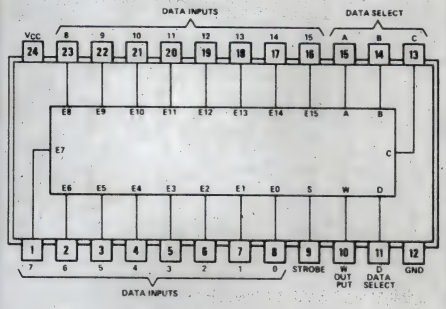
ECG74LS148



8-Line-to-3-Line Octal Priority Encoder

Diag. 125 — 24-Pin DIP See Fig. D15

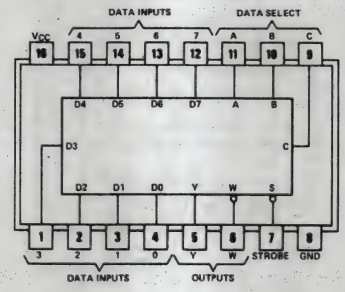
ECG74150



16-Line-to-1-Line Data Selector/Multiplexer

Diag. 126 — 16-Pin DIP See Fig. D8

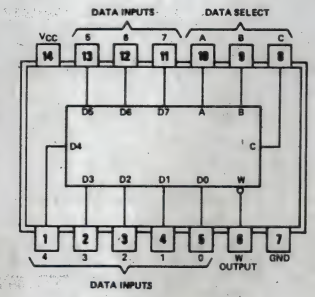
ECG74151, ECG74C151, ECG74HC151, ECG74LS151, ECG74S151



8-Line-to-1-Line Data Selector/Multiplexer with Strobe

Diag. 127 — 14-Pin DIP See Fig. D6

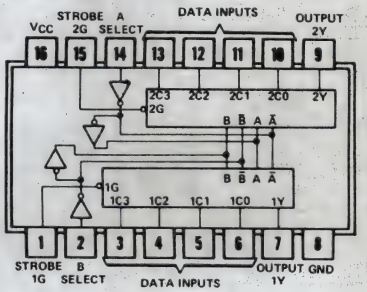
ECG74152



8-Line-to-1-Line Data Selector/Multiplexer

Diag. 128 — 16-Pin DIP See Fig. D8

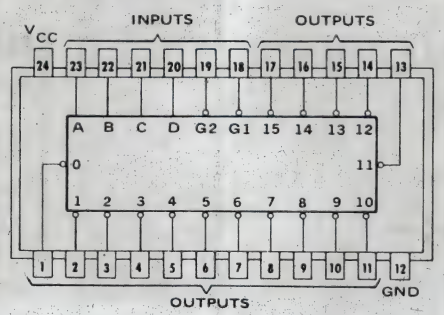
ECG74153, ECG74HC153, ECG74LS153, ECG74S153



Dual 4-Line-to-1-Line Data Selector/ Multiplexer

Diag. 129 — 24-Pin DIP See Fig. D15

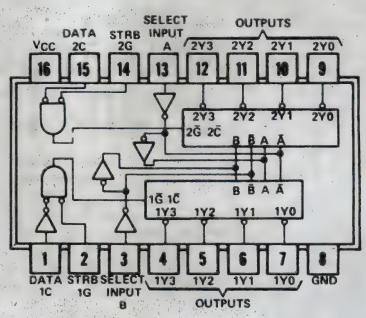
ECG74154, ECG74C154, ECG74HC154



4-Line-to-16-Line Decoder/Demultiplexer

Diag. 130 — 16-Pin DIP See Fig. D8

ECG74155, ECG74LS155



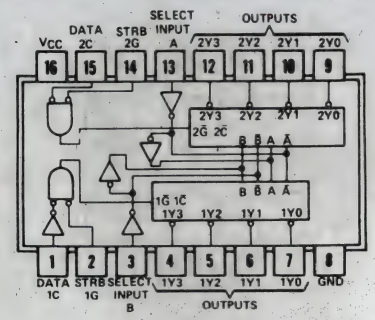
Dual 1-Line-to-4-Line Decoder/Demultiplexer

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 131 16-Pin DIP See Fig. D8

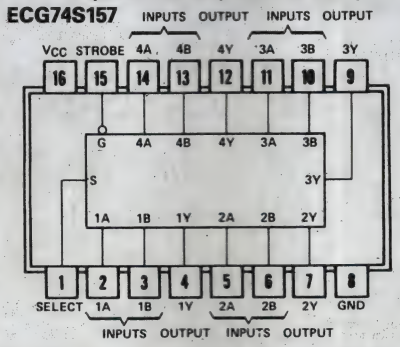
ECG74156, ECG74LS156



Dual 1-Line-to-4-Line Decoder/Demultiplexer with Open Collector Output

Diag. 132 16-Pin DIP See Fig. D8

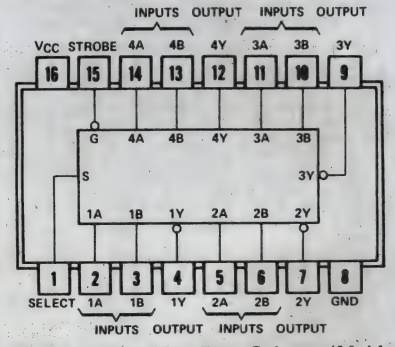
ECG74157, ECG74C157, ECG74LS157, ECG74S157



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Non-Inverting Output

Diag. 133 16-Pin DIP See Fig. D8

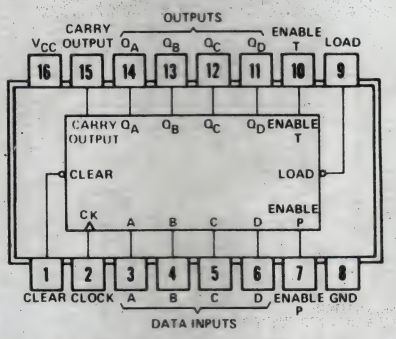
ECG74158, ECG74LS158, ECG74S158



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting Output

Diag. 134 16-Pin DIP See Fig. D8

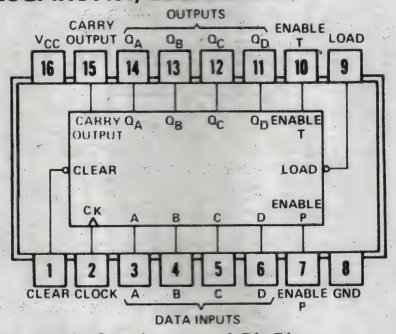
ECG74160, ECG74LS160A



Presettable Synchronous Decade Counter with Direct Clear

Diag. 135 16-Pin DIP See Fig. D8

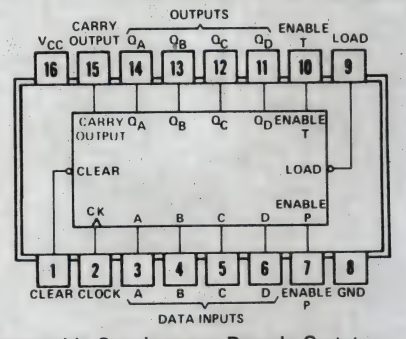
ECG74161, ECG74C161, ECG74HC161, ECG74HCT161, ECG74LS161A



Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 136 16-Pin DIP See Fig. D8

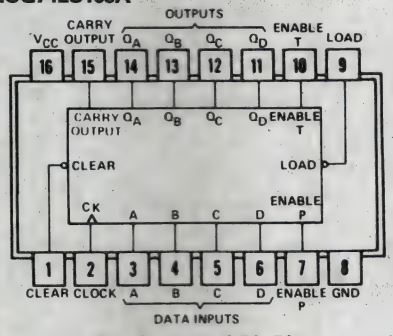
ECG74162, ECG74LS162A



Presettable Synchronous Decade Counter with Synchronous Clear

Diag. 137 16-Pin DIP See Fig. D8

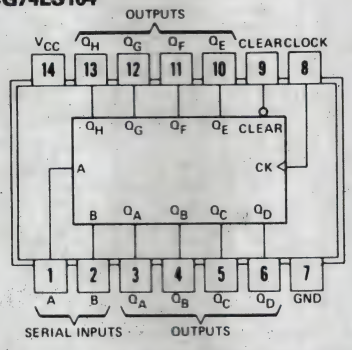
ECG74163, ECG74HC163, ECG74HCT163 ECG74LS163A



Presettable Synchronous 4-Bit Binary Counter with Synchronous Clear

Diag. 138 14-Pin DIP See Fig. D6

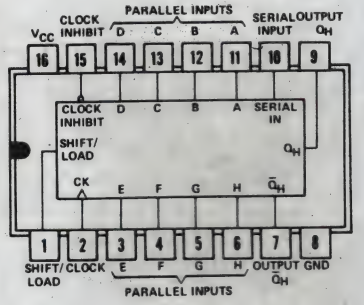
ECG74164, ECG74C164, ECG74HC164, ECG74LS164



8-Bit Serial-In/Parallel-Out Shift Register

Diag. 139 16-Pin DIP See Fig. D8

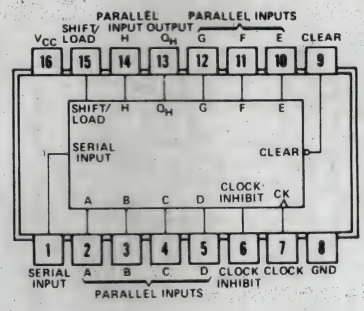
ECG74165, ECG74HC165, ECG74LS165



8-Bit Parallel-In/Serial-Out Shift Register

Diag. 140 16-Pin DIP See Fig. D8

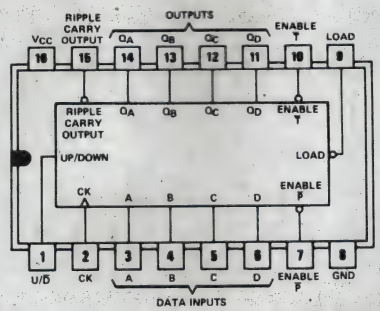
ECG74166, ECG74LS166



8-Bit Serial or Parallel-In/Serial-Out Shift Register

Diag. 141 16-Pin DIP See Fig. D8

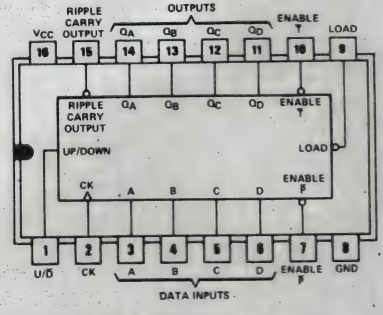
ECG74LS168A



Presettable Synchronous Decade Up/Down Counter

Diag. 142 16-Pin DIP See Fig. D8

ECG74LS169A



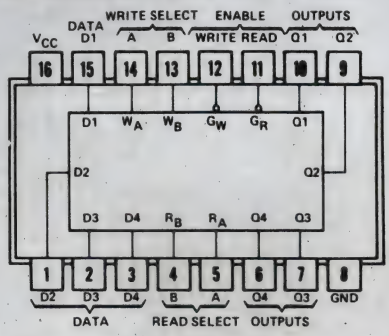
Presettable Synchronous 4-Bit Binary Up/Down Counter

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 143 — 16-Pin DIP See Fig. D8

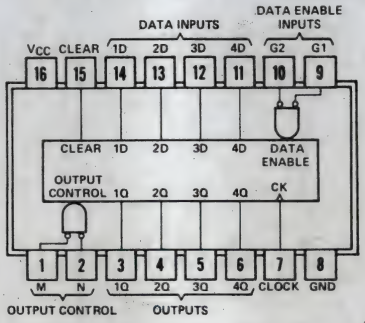
ECG74170, ECG74LS170



4 x 4 Register File with Open Collector Output

Diag. 144 — 16-Pin DIP See Fig. D8

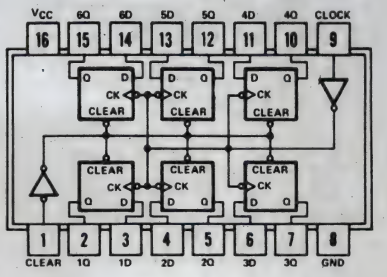
ECG74173, ECG74C173, ECG74HC173, ECG74LS173



4-Bit "D" Register with 3-State Output

Diag. 145 — 16-Pin DIP See Fig. D8

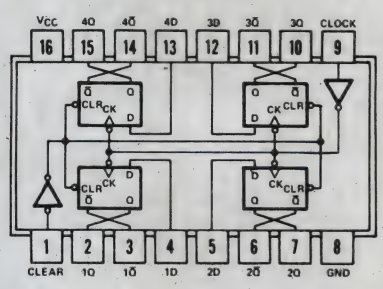
ECG74174, ECG74C174, ECG74HC174, ECG74HCT174, ECG74LS174, ECG74S174



Hex "D" Flip-Flop with Clear

Diag. 146 — 16-Pin DIP See Fig. D8

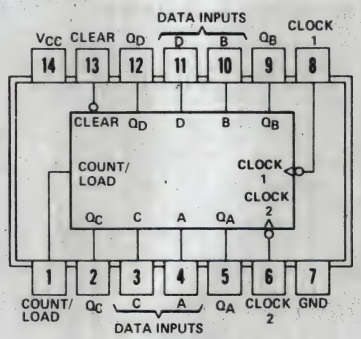
ECG74175, ECG74C175, ECG74HC175, ECG74LS175, ECG74S175



Quad "D" Flip-Flop with Complementary Outputs

Diag. 147 — 14-Pin DIP See Fig. D6

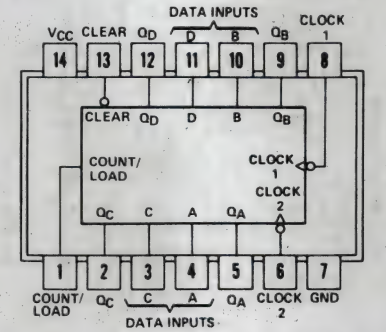
ECG74176



Presettable Decade Counter/Latch

Diag. 148 — 14-Pin DIP See Fig. D6

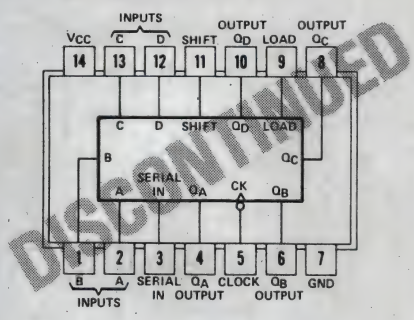
ECG74177



Presettable 4-Bit Binary Counter/Latch

Diag. 149 — 14-Pin DIP See Fig. D6

ECG74178

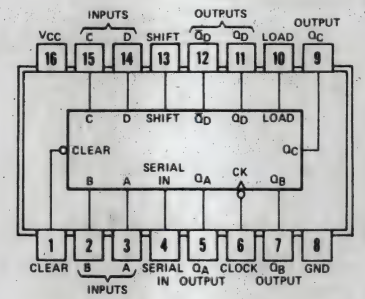


DISCONTINUED

4-Bit Parallel Shift Register

Diag. 150 — 16-Pin DIP See Fig. D8

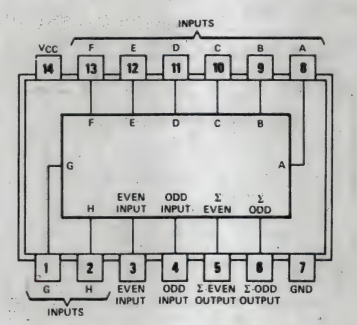
ECG74179



4-Bit Parallel Shift Register with Complementary Final Stage

Diag. 151 — 14-Pin DIP See Fig. D6

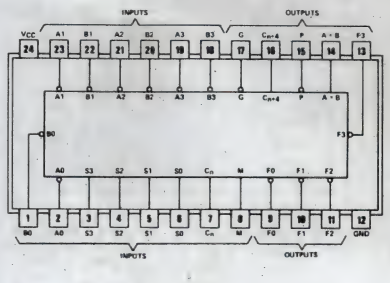
ECG74180



9-Bit Odd/Even Parity Generator/Checker

Diag. 152 — 24-Pin DIP See Fig. D15

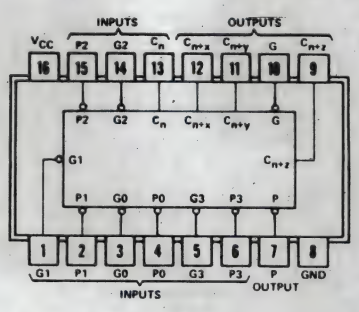
ECG74181, ECG74LS181, ECG74S181



Arithmetic Logic Unit (ALU)/Function Generator

Diag. 153 — 16-Pin DIP See Fig. D8

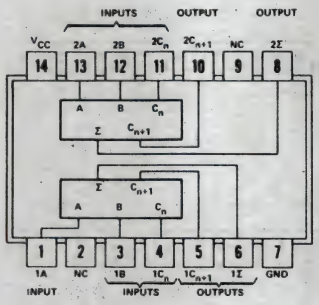
ECG74182



Look-Ahead Carry Generator

Diag. 154 — 14-Pin DIP See Fig. D6

ECG74H183



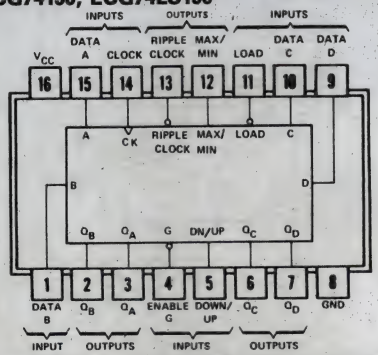
Dual Carry/Save Adder

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 155 16-Pin DIP See Fig. D8

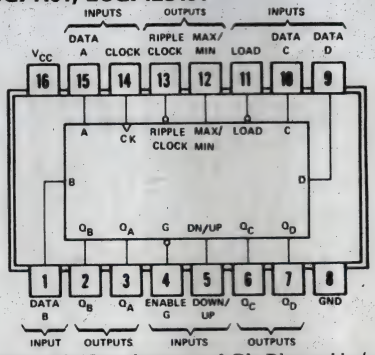
ECG74190, ECG74LS190



Presettable Synchronous Decade Up/Down Counter

Diag. 156 16-Pin DIP See Fig. D8

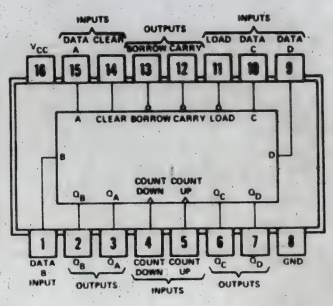
ECG74191, ECG74LS191



Presettable Synchronous 4-Bit Binary Up/Down Counter

Diag. 157 16-Pin DIP See Fig. D8

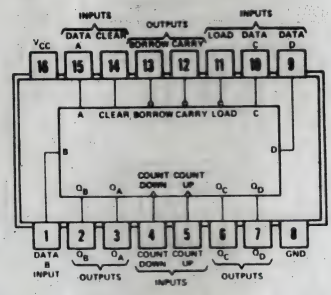
ECG74192, ECG74C192, ECG74LS192



Presettable Synchronous Decade Up/Down Counter with Dual Clocks

Diag. 158 16-Pin DIP See Fig. D8

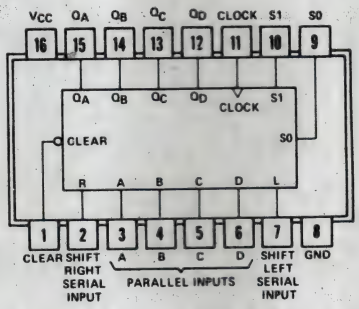
ECG74193, ECG74C193, ECG74LS193



Presettable Synchronous 4-Bit Binary Up/Down Counter with Dual Clocks

Diag. 159 16-Pin DIP See Fig. D8

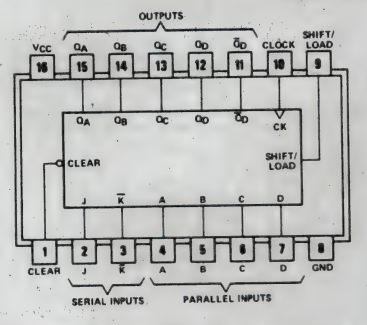
ECG74LS194A, ECG74S194



4-Bit Bidirectional Parallel Shift Register

Diag. 160 16-Pin DIP See Fig. D8

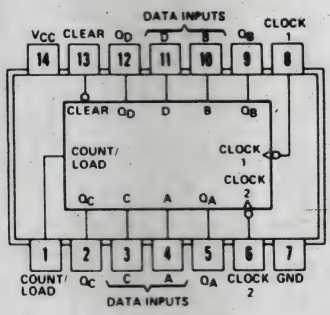
ECG74195, ECG74LS195A



4-Bit Parallel Shift Register with Complementary Final Stage

Diag. 161 14-Pin DIP See Fig. D6

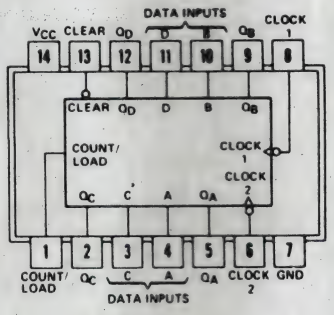
ECG74196, ECG74LS196



Presettable Decade Counter/Latch

Diag. 162 14-Pin DIP See Fig. D6

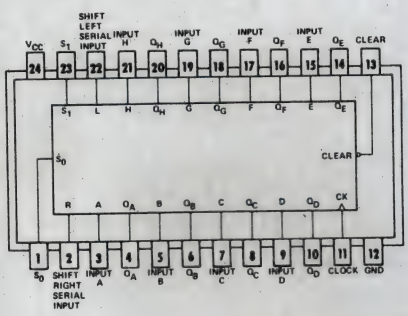
ECG74197, ECG74LS197



Presettable 4-Bit Binary Counter/Latch

Diag. 163 24-Pin DIP See Fig. D15

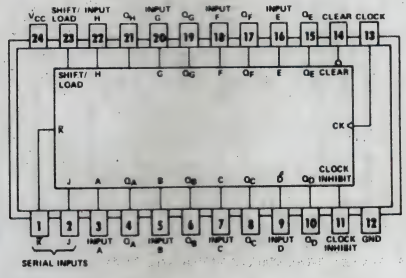
ECG74198



8-Bit Bidirectional Parallel Shift Register

Diag. 164 24-Pin DIP See Fig. D15

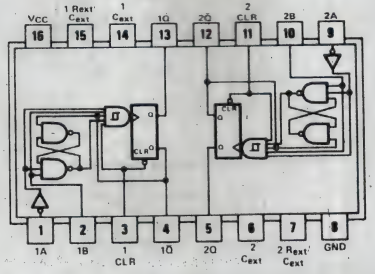
ECG74199



8-Bit Serial or Parallel-In/Parallel-Out Shift Register

Diag. 165 16-Pin DIP See Fig. D8

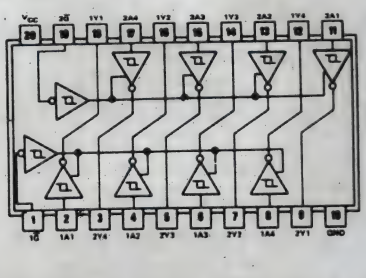
ECG74221, ECG74C221, ECG74LS221



Dual Monostable Multivibrator

Diag. 166 20-Pin DIP See Fig. D12

ECG74C240, ECG74HC240, ECG74HCT240, ECG74LS240



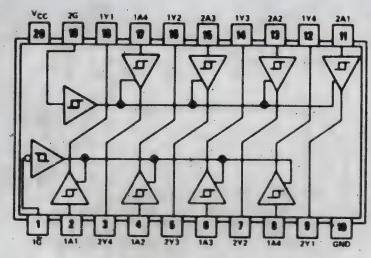
Octal Buffer/Line Driver/Line Receiver with Inverting 3-State Output

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 167 — 20-Pin DIP See Fig. D12

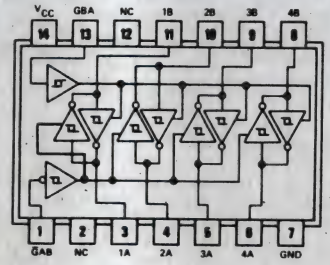
ECG74LS241



Octal Buffer/Line Driver/Line Receiver with Non-Inverting 3-State Output

Diag. 168 — 14-Pin DIP See Fig. D6

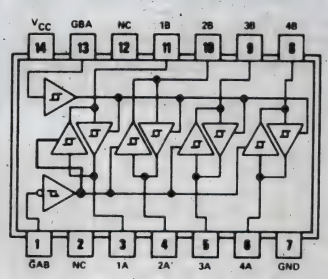
ECG74LS242



Quad Bus Transceiver with Inverting 3-State Output

Diag. 169 — 14-Pin DIP See Fig. D6

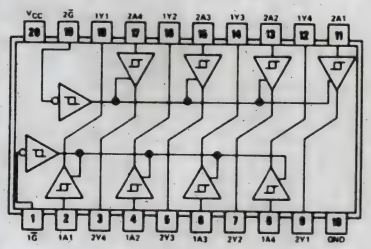
ECG74LS243



Quad Bus Transceiver with Non-Inverting 3-State Output

Diag. 170 — 20-Pin DIP See Fig. D12

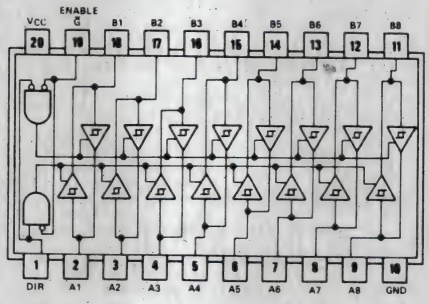
ECG74C244, ECG74HC244, ECG74HCT244, ECG74LS244



Octal Buffer/Line Driver/Line Receiver with Non-Inverting 3-State Output

Diag. 171 — 20-Pin DIP See Fig. D12

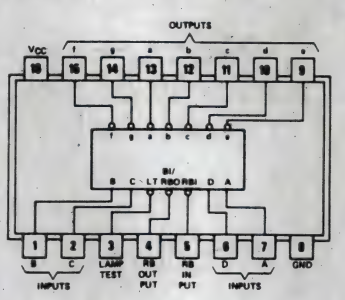
ECG74LS245



Octal Bus Transceiver with Non-Inverting 3-State Output

Diag. 172 — 16-Pin DIP See Fig. D8

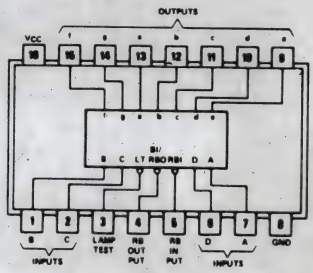
ECG74LS247



BCD-to-7-Segment Decoder/Driver with Hi-Volt (15 V) Open Collector Output

Diag. 173 — 16-Pin DIP See Fig. D8

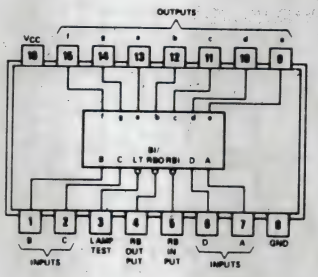
ECG74LS248



BCD-to-7-Segment Decoder/Driver

Diag. 174 — 16-Pin DIP See Fig. D8

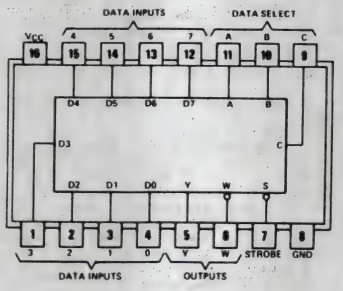
ECG74249, ECG74LS249



BCD-to-7-Segment Decoder/Driver with Open Collector Output

Diag. 175 — 16-Pin DIP See Fig. D8

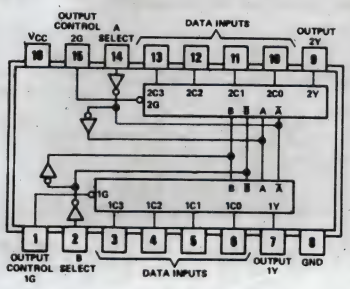
ECG74251, ECG74LS251, ECG74S251



8-Line-to-1-Line Data Selector/Multiplexer with Complementary 3-State Output

Diag. 176 — 16-Pin DIP See Fig. D8

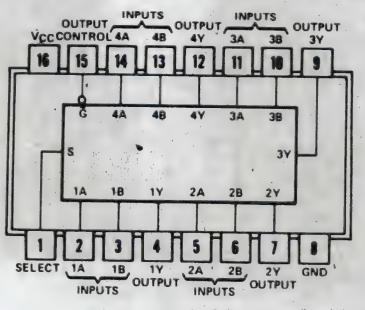
ECG74LS253



Dual 4-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 177 — 16-Pin DIP See Fig. D8

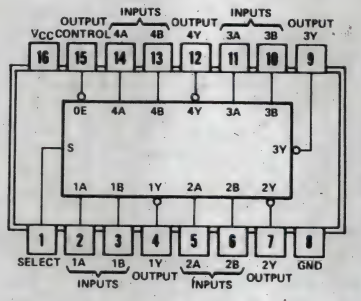
ECG74HC257, ECG74LS257



Quad 2-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 178 — 16-Pin DIP See Fig. D8

ECG74LS258, ECG74S258

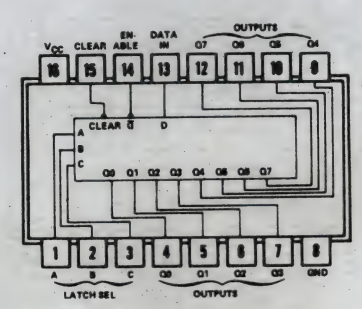


Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Package Outlines - See Page 1-357

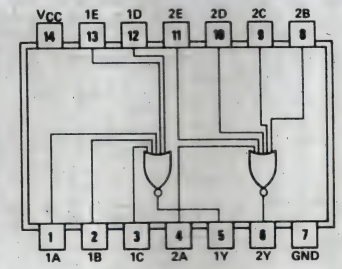
TTL Logic Diagrams (cont'd)

Diag. 179 — 16-Pin DIP See Fig. D8
ECG74HC259, ECG74LS259



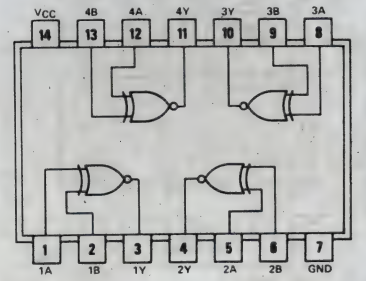
8-Bit Addressable Latch

Diag. 180 — 14-Pin DIP See Fig. D6
ECG74LS260



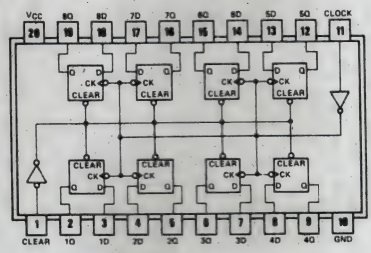
Dual 5-Input NOR Gate

Diag. 181 — 14-Pin DIP See Fig. D6
ECG74LS266



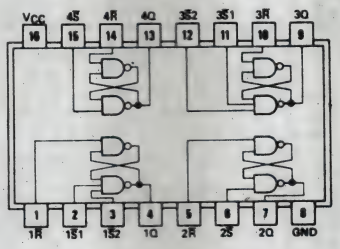
Quad Exclusive NOR Gate with Open Collector Output

Diag. 182 — 20-Pin DIP See Fig. D12
ECG74HC273, ECG74HCT273, ECG74LS273



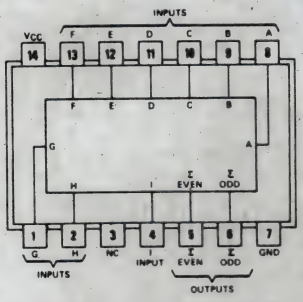
Octal "D" Flip-Flop with Clear

Diag. 183 — 16-Pin DIP See Fig. D8
ECG74LS279



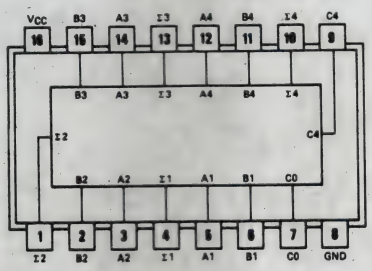
Quad $\overline{S}$-$\overline{R}$ Latch

Diag. 184 — 14-Pin DIP See Fig. D6
ECG74LS280



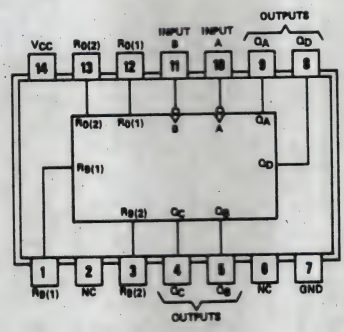
9-Bit Odd/Even Parity Generator/Checker

Diag. 185 — 16-Pin DIP See Fig. D8
ECG74LS283



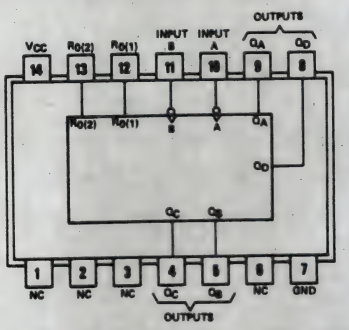
4-Bit Full Adder

Diag. 186 — 14-Pin DIP See Fig. D6
ECG74290, ECG74LS290



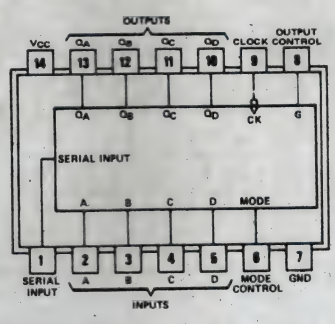
Decade Counter

Diag. 187 — 14-Pin DIP See Fig. D6
ECG74293*, ECG74LS293



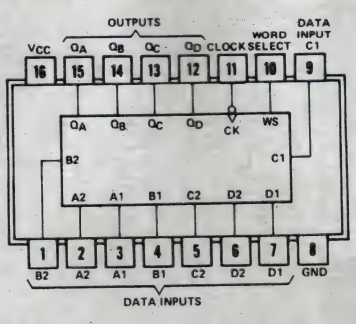
4-Bit Binary Counter * Discontinued

Diag. 188 — 14-Pin DIP See Fig. D6
ECG74LS295A



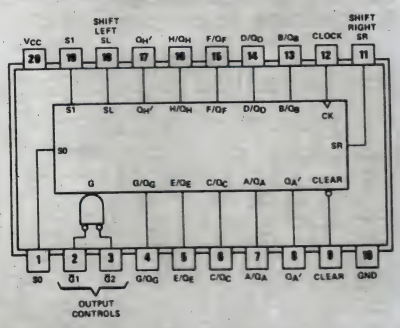
4-Bit Bidirectional Parallel Shift Register with 3-State Output

Diag. 189 — 16-Pin DIP See Fig. D8
ECG74LS298



Quad 2-Input Multiplexer with Storage

Diag. 190 — 20-Pin DIP See Fig. D12
ECG74HC299, ECG74LS299



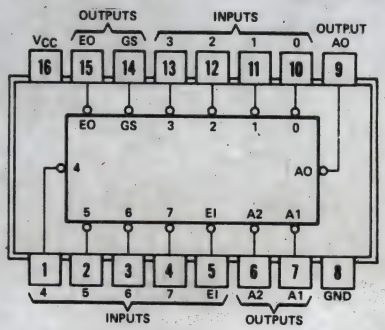
8-Bit Bidirectional Shift/Storage Register with 3-State Output

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 191 16-Pin DIP See Fig. D8

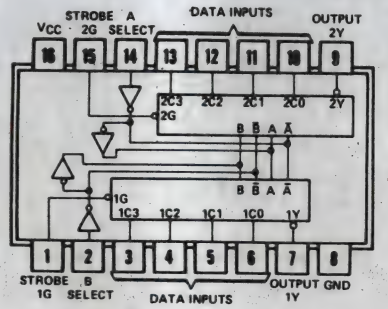
ECG74LS348



8-Line-to-3-Line Priority Encoder with 3-State Output

Diag. 192 16-Pin DIP See Fig. D8

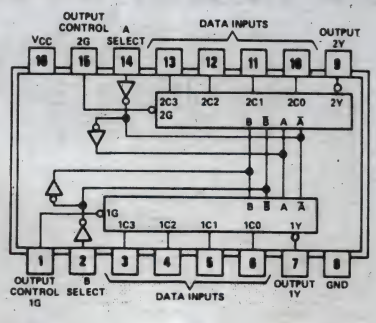
ECG74LS352



Dual 4-Line-to-1-Line Data Selector/Multiplexer with 3-State Output

Diag. 193 16-Pin DIP See Fig. D8

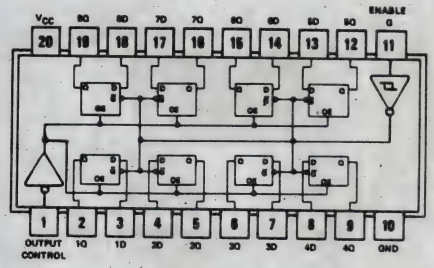
ECG74LS353



Dual 4-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Diag. 194 20-Pin DIP See Fig. D12

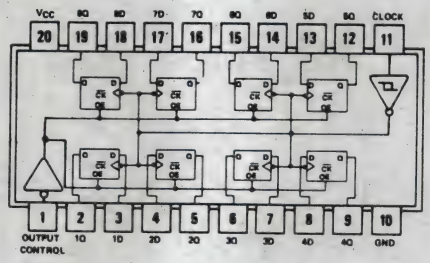
ECG74LS363



Octal "D" Transparent Latch with 3-State Output

Diag. 195 20-Pin DIP See Fig. D12

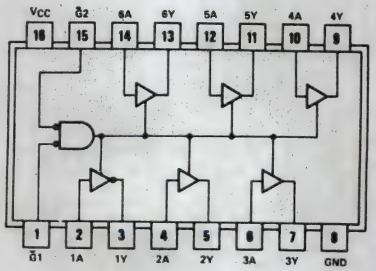
ECG74LS364



Octal "D" Flip-Flop with 3-State Output

Diag. 196 16-Pin DIP See Fig. D8

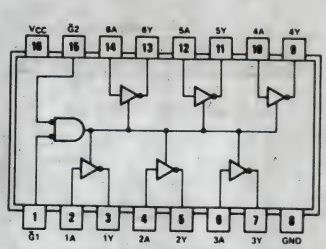
ECG74365, ECG74LS365A



Hex Bus Driver with Non-Inverting 3-State Output (Common Enable)

Diag. 197 16-Pin DIP See Fig. D8

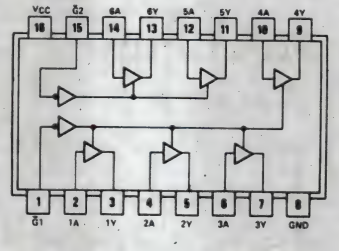
ECG74366, ECG74LS366A



Hex Bus Driver with Inverting 3-State Output (Common Enable)

Diag. 198 16-Pin DIP See Fig. D8

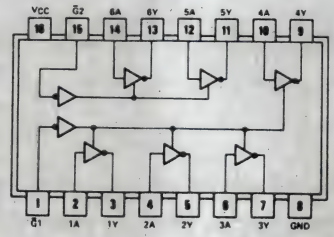
ECG74367, ECG74LS367



Hex Bus Driver with Non-Inverting 3-State Output (4-Line/2-Line Enable)

Diag. 199 16-Pin DIP See Fig. D8

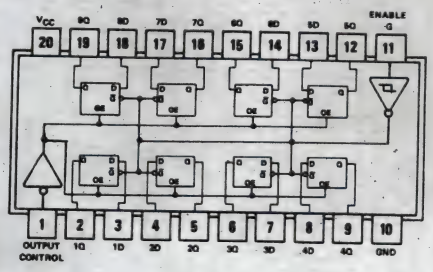
ECG74368, ECG74LS368



Hex Bus Driver with Inverting 3-State Output (4-Line/2-Line Enable)

Diag. 200 20-Pin DIP See Fig. D12

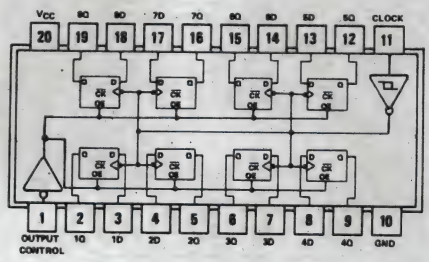
ECG74C373, ECG74HC373, ECG74HCT373, ECG74HC573, ECG74HCT573, ECG74LS373



Octal "D" Transparent Latch with 3-State Output

Diag. 201 20-Pin DIP See Fig. D12

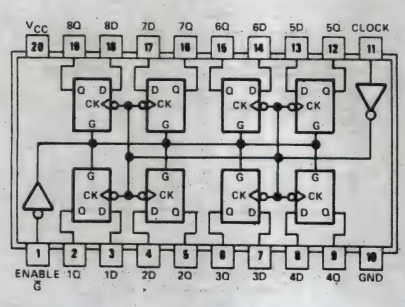
ECG74C374, ECG74HC374, ECG74HCT374, ECG74HC574, ECG74HCT574, ECG74LS374



Octal "D" Flip-Flop with 3-State Output

Diag. 202 20-Pin DIP See Fig. D12

ECG74HC377, ECG74LS377



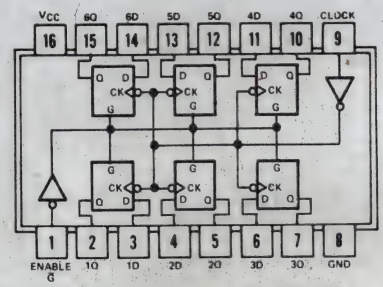
Octal "D" Flip-Flop with Common Enable

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 203 — 16-Pin DIP See Fig. D8

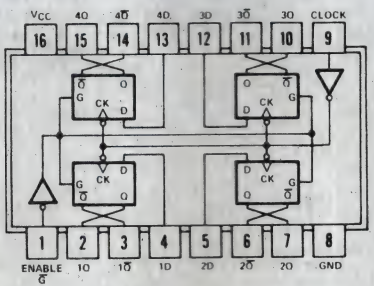
ECG74LS378



Hex "D" Flip-Flop with Common Enable

Diag. 204 — 16-Pin DIP See Fig. D8

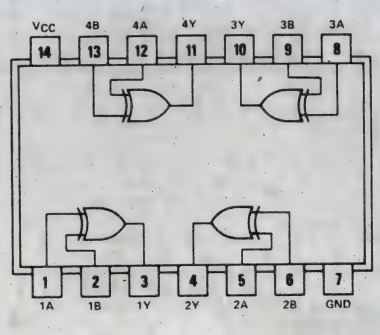
ECG74LS379



Quad "D" Flip-Flop with Complementary Outputs

Diag. 205 — 14-Pin DIP See Fig. D6

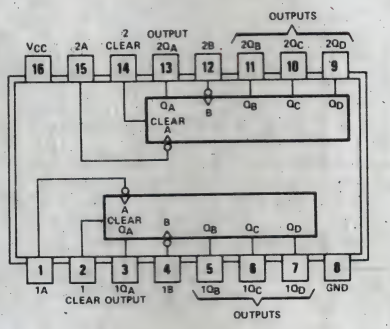
ECG74LS386



Quad Exclusive OR Gate

Diag. 206 — 16-Pin DIP See Fig. D8

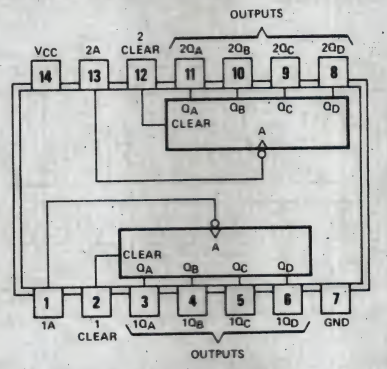
ECG74390, ECG74HC390, ECG74LS390



Dual Decade Counter

Diag. 207 — 14-Pin DIP See Fig. D6

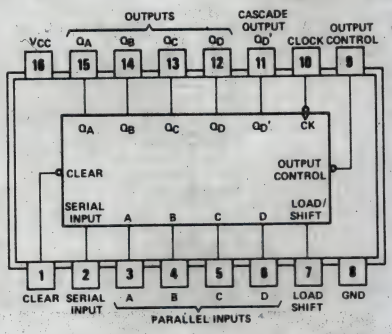
ECG74393, ECG74HC393, ECG74LS393



Dual 4-Bit Binary Counter

Diag. 208 — 16-Pin DIP See Fig. D8

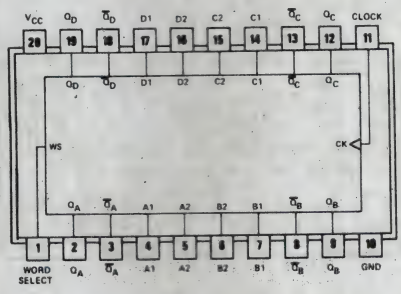
ECG74LS395A



4-Bit Cascadable Parallel Shift Register with 3-State Output

Diag. 209 — 20-Pin DIP See Fig. D12

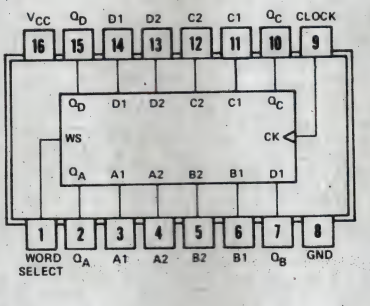
ECG74LS398



Quad 2-Input Multiplexer with Storage - Complementary Outputs

Diag. 210 — 16-Pin DIP See Fig. D8

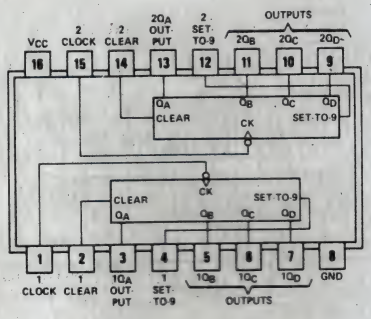
ECG74LS399



Quad 2-Input Multiplexer with Storage

Diag. 211 — 16-Pin DIP See Fig. D8

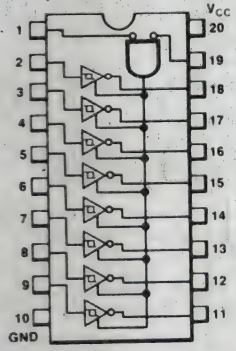
ECG74490, ECG74LS490



Dual Decade Counter

Diag. 212 — 20-Pin DIP See Fig. D12

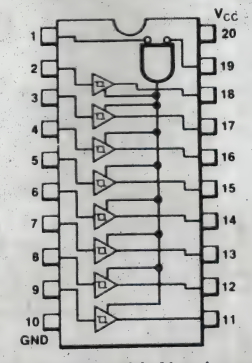
ECG74LS540



Octal Buffer/Line Driver with Inverting 3-State Output

Diag. 213 — 20-Pin DIP See Fig. D12

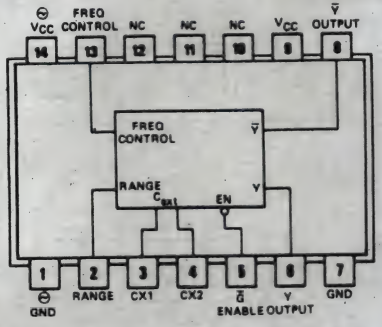
ECG74LS541



Octal Buffer/Line Driver with Non-Inverting 3-State Output

Diag. 214 — 14-Pin DIP See Fig. D6

ECG74LS624



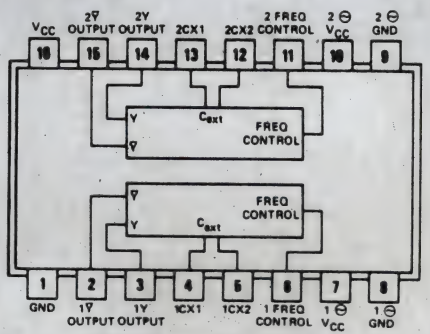
Voltage Controlled Oscillator with Complementary Output

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 215 — 16-Pin DIP See Fig. D8

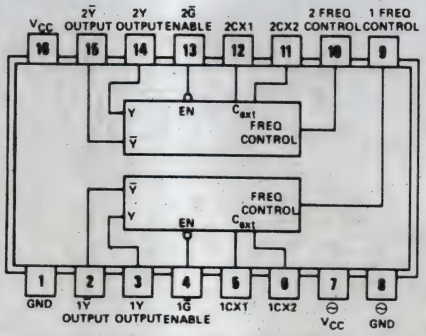
ECG74LS625



Dual Voltage Controlled Oscillator with Complementary Output

Diag. 216 — 16-Pin DIP See Fig. D8

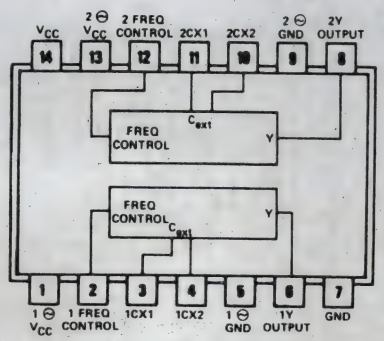
ECG74LS626



Dual Voltage Controlled Oscillator with Complementary Output and Enable

Diag. 217 — 14-Pin DIP See Fig. D6

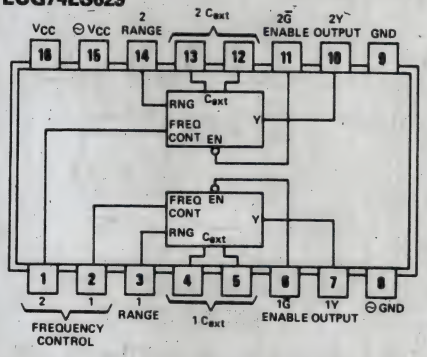
ECG74LS627



Dual Voltage Controlled Oscillator

Diag. 218 — 16-Pin DIP See Fig. D8

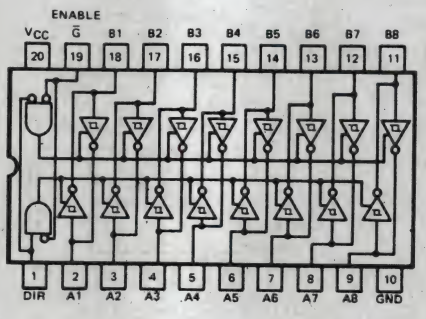
ECG74LS629



Dual Voltage Controlled Oscillator with Enable

Diag. 219 — 20-Pin DIP See Fig. D12

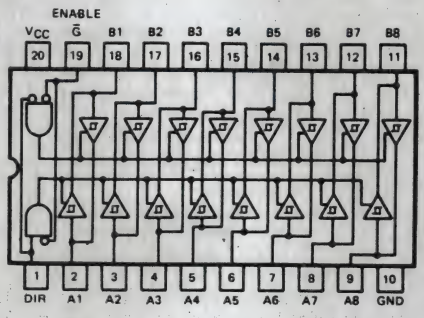
ECG74LS640



Octal Bus Transceiver with Inverting 3-State Output

Diag. 220 — 20-Pin DIP See Fig. D12

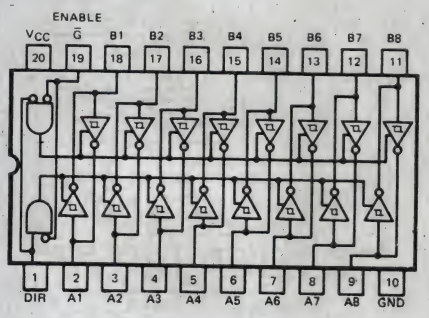
ECG74LS641



Octal Bus Transceiver with Non-Inverting 3-State Open Collector Output

Diag. 221 — 20-Pin DIP See Fig. D12

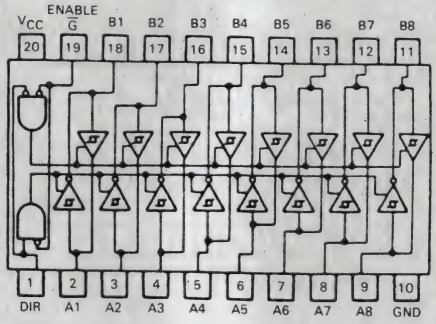
ECG74LS642



Octal Bus Transceiver with Inverting Open Collector Output

Diag. 222 — 20-Pin DIP See Fig. D12

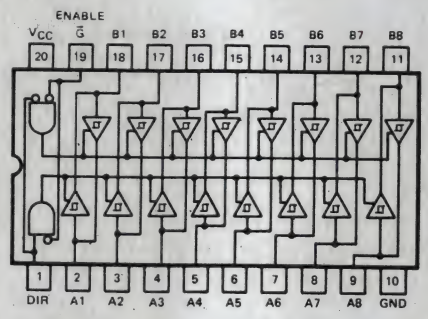
ECG74LS643



Octal Bus Transceiver with Inverting and Non-Inverting 3-State Output

Diag. 223 — 20-Pin DIP See Fig. D12

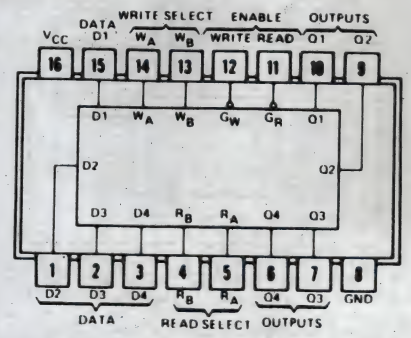
ECG74LS645



Octal Bus Transceiver with Non-Inverting 3-State Output

Diag. 224 — 16-Pin DIP See Fig. D8

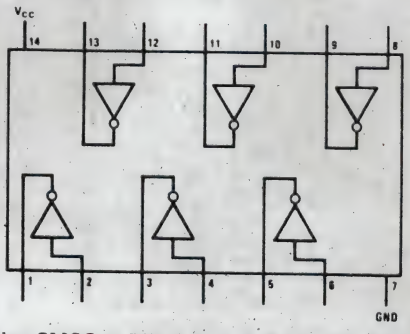
ECG74LS670



4 x 4 Register File with 3-State Output

Diag. 225 — 14-Pin DIP See Fig. D6

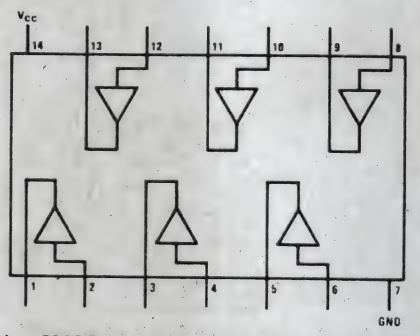
ECG74C901



Hex CMOS to TTL Interface Buffer (Inverting Output)

Diag. 226 — 14-Pin DIP See Fig. D6

ECG74C902



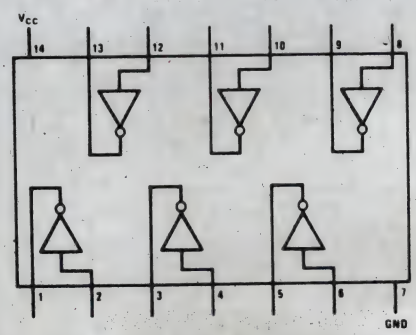
Hex CMOS to TTL Interface Buffer (Non-Inverting Output)

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 227 — 14-Pin DIP See Fig. D6

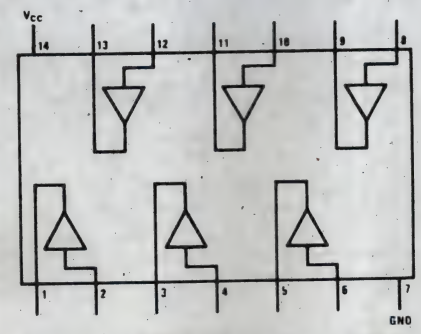
ECG74C903



Hex PMOS to TTL/CMOS Interface Buffer (Inverting Output)

Diag. 228 — 14-Pin DIP See Fig. D6

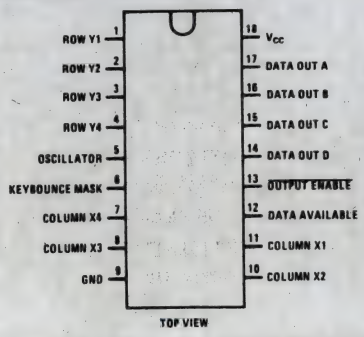
ECG74C904



Hex PMOS to TTL/CMOS Interface Buffer (Non-Inverting Output)

Diag. 229 — 18-Pin DIP See Fig. D10

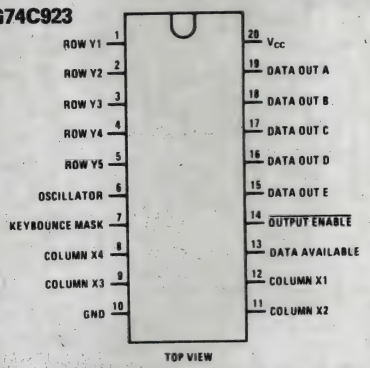
ECG74C922



16-Key Keyboard Encoder with 3-State Output

Diag. 230 — 20-Pin DIP See Fig. D12

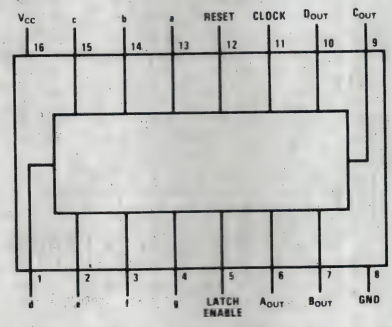
ECG74C923



20-Key Keyboard Encoder with 3-State Output

Diag. 231 — 16-Pin DIP See Fig. D8

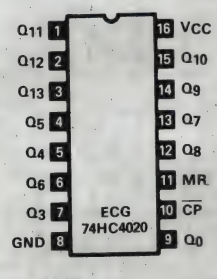
ECG74C925



4-Digit Counter with Multiplexed 7-Segment Output

Diag. 232 — 16-Pin DIP See Fig. D8

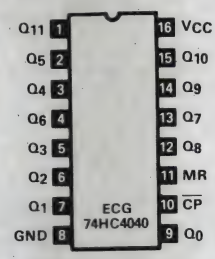
ECG74HC4020



14-Stage Binary/Ripple Counter

Diag. 233 — 16-Pin DIP See Fig. D8

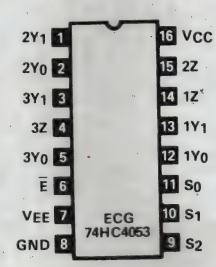
ECG74HC4040



12-Stage Binary/Ripple Counter

Diag. 234 — 16-Pin DIP See Fig. D8

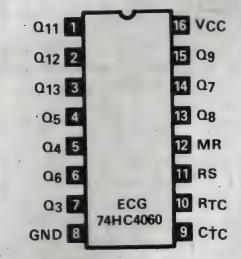
ECG74HC4053



Triple 2-Channel Analog Multiplexer

Diag. 235 — 16-Pin DIP See Fig. D8

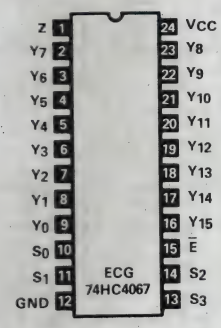
ECG74HC4060



14-Stage Ripple-Carry Binary Counter/ Divider and Oscillator

Diag. 236 — 24-Pin DIP See Fig. D15

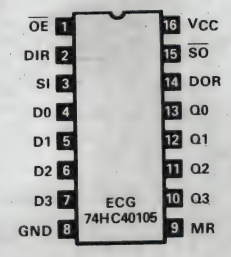
ECG74HC4067



16-Channel Multiplexer/Demultiplexer

Diag. 237 — 16-Pin DIP See Fig. D8

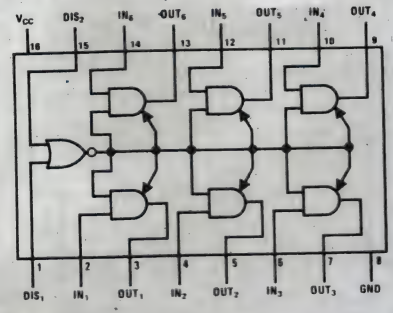
ECG74HC40105



4-Bit x 16-Word FIFO Register

Diag. 238 — 16-Pin DIP See Fig. D8

ECG80C95



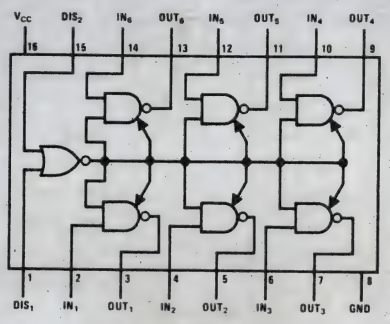
Hex Buffer with 3-State Output (Common Enable)

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 239 — 16-Pin DIP See Fig. D8

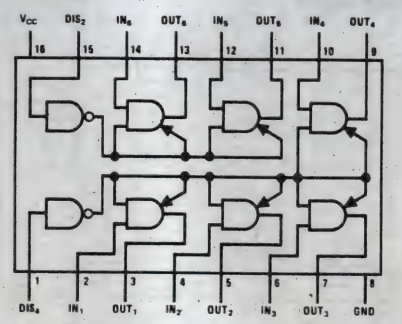
ECG80C96



Hex Inverter/Buffer with 3-State Output (Common Enable)

Diag. 240 — 16-Pin DIP See Fig. D8

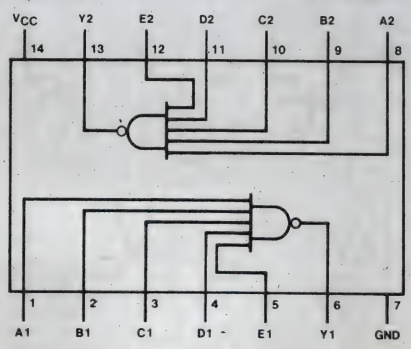
ECG80C97



Hex Buffer with 3-State Output (2-Line/4-Line Enable)

Diag. 241 — 14-Pin DIP See Fig. D6

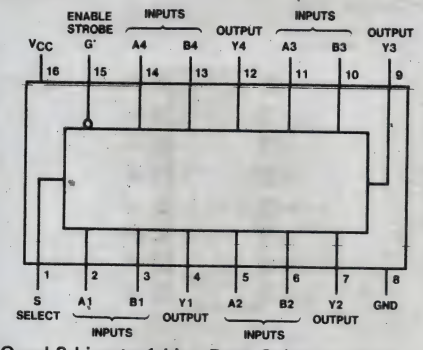
ECG8092



Dual 5-Input NAND Gate

Diag. 242 — 16-Pin DIP See Fig. D8

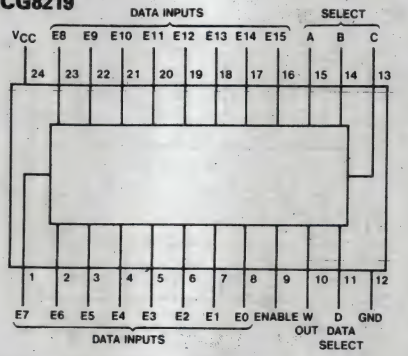
ECG8123



Quad 2-Line-to-1-Line Data Selector/Multiplexer with 3-state Output

Diag. 243 — 24-Pin DIP See Fig. D15

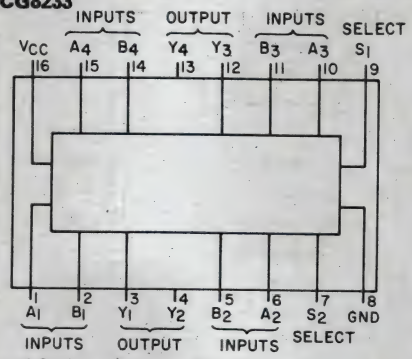
ECG8219



16-Line-to-1-Line Data Selector/Multiplexer with Inverting 3-State Output

Diag. 244 — 16-Pin DIP See Fig. D8

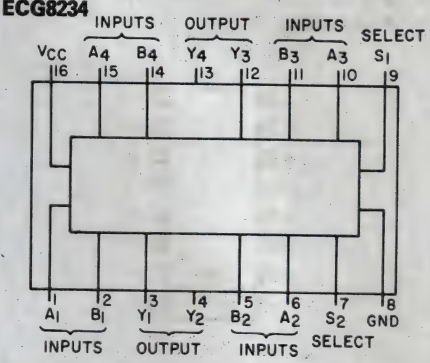
ECG8233



Quad 2-Line-to-1-Line Data Selector/Multiplexer

Diag. 245 — 16-Pin DIP See Fig. D8

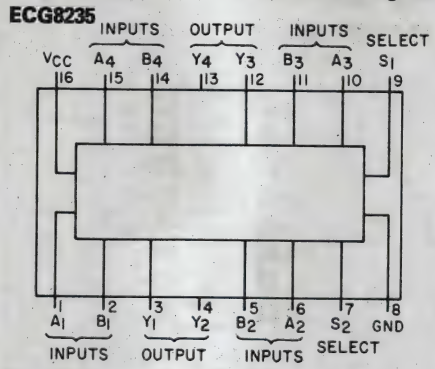
ECG8234



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Inverting Output

Diag. 246 — 16-Pin DIP See Fig. D8

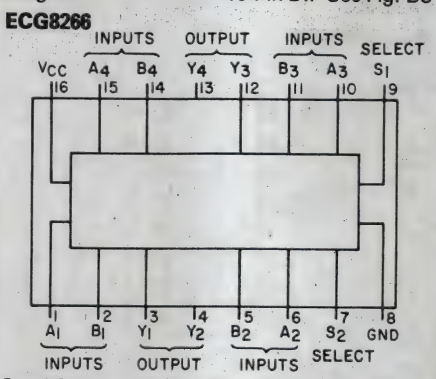
ECG8235



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Open Collector Output

Diag. 247 — 16-Pin DIP See Fig. D8

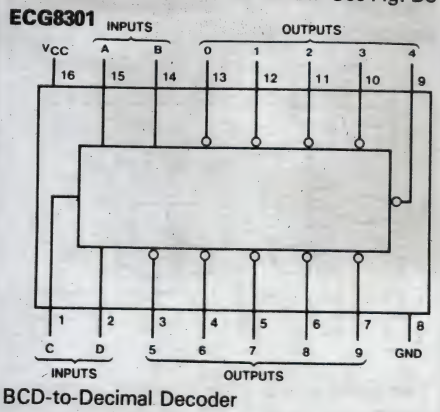
ECG8266



Quad 2-Line-to-1-Line Data Selector/Multiplexer with Conditional Outputs

Diag. 248 — 16-Pin DIP See Fig. D8

ECG8301

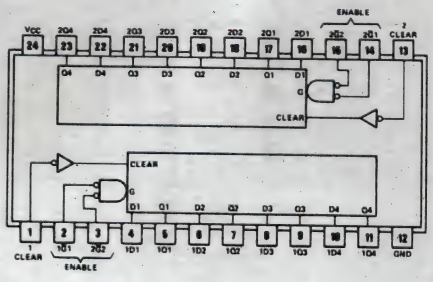


BCD-to-Decimal Decoder

Diag. 249 — 24-Pin DIP See Fig. D15

(See Also Diag. 269)

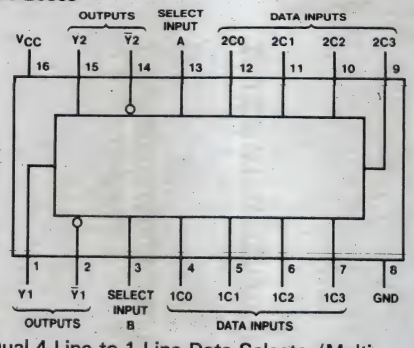
ECG8308



Dual 4-Bit Latch

Diag. 250 — 16-Pin DIP See Fig. D8

ECG8309



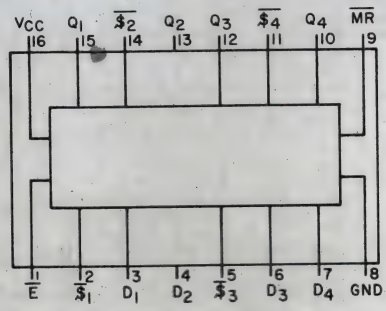
Dual 4-Line-to-1-Line Data Selector/Multiplexer with Complementary Output

Package Outlines - See Page 1-357

TTL Logic Diagrams (cont'd)

Diag. 251 — 16-Pin DIP See Fig. D8

ECG8314

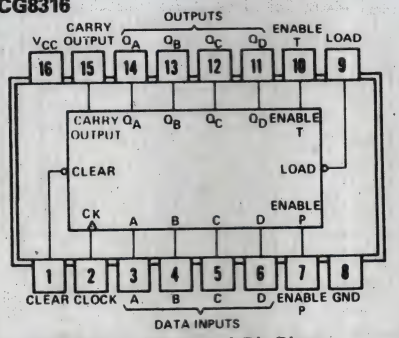


Quad Latch

Diag. 252 — 16-Pin DIP See Fig. D8

(See Also Diag. 270)

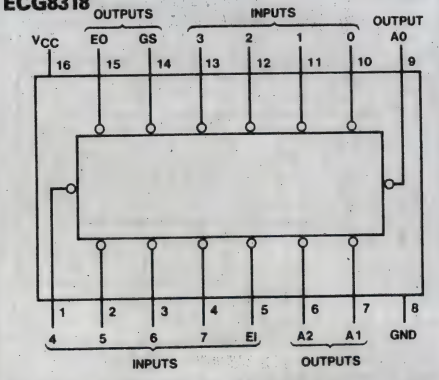
ECG8316



Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 253 — 16-Pin DIP See Fig. D8

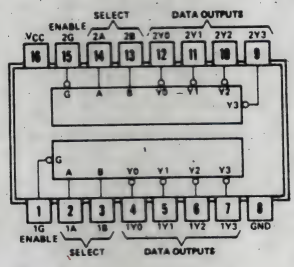
ECG8318



8-Line-to-3-Line Priority Encoder

Diag. 254 — 16-Pin DIP See Fig. D8

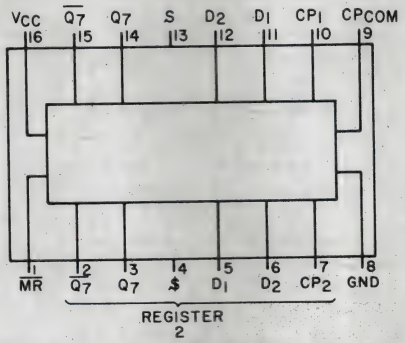
ECG8321



Dual 2-Line-to-4-Line Decoder/Demultiplexer

Diag. 255 — 16-Pin DIP See Fig. D8

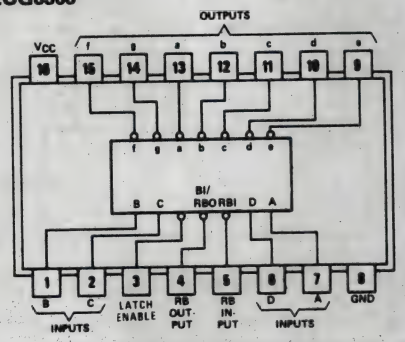
ECG8328



Dual 8-Bit Serial Shift Register

Diag. 256 — 16-Pin DIP See Fig. D8

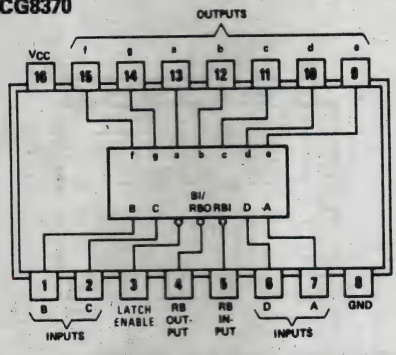
ECG8368



Hexadecimal-to-7-Segment Decoder/Latch/ Driver for Common Cathode Displays

Diag. 257 — 16-Pin DIP See Fig. D8

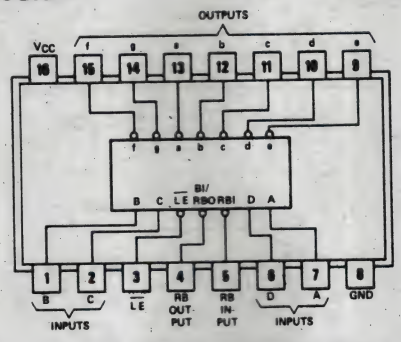
ECG8370



Hexadecimal-to-7-Segment Decoder/Latch/ Driver with Open Collector Output

Diag. 258 — 16-Pin DIP See Fig. D8

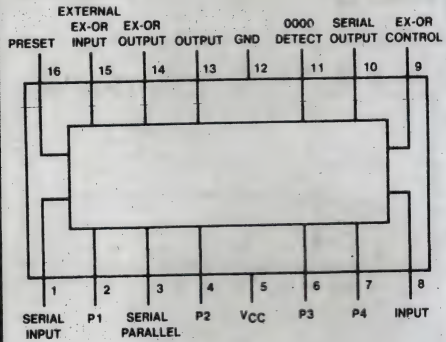
ECG8374



Hexadecimal-to-7-Segment Decoder/Driver/ Latch for Common Anode Displays

Diag. 259 — 16-Pin DIP See Fig. D8

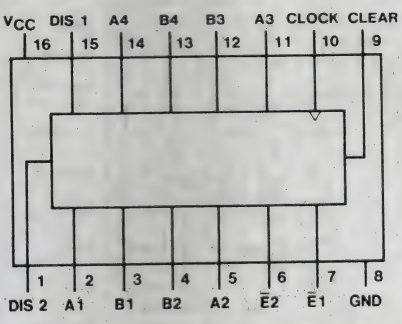
ECG8520



Modulo "N" Divider

Diag. 260 — 16-Pin DIP See Fig. D8

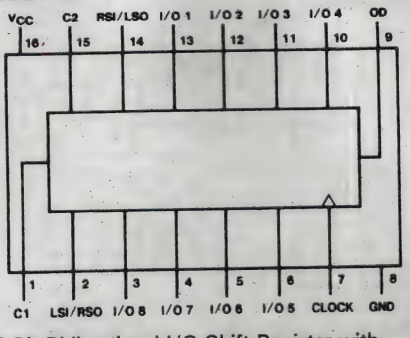
ECG8542



Quad I/O Register with 3-State Output

Diag. 261 — 16-Pin DIP See Fig. D8

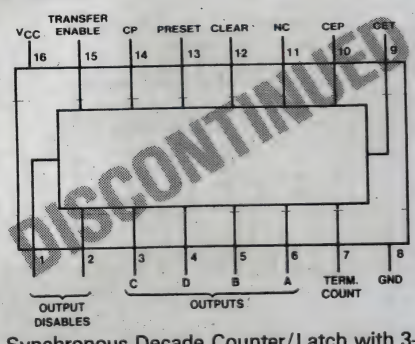
ECG8546



8-Bit Bidirectional I/O Shift Register with 3-State I/O Lines

Diag. 262 — 16-Pin DIP See Fig. D8

ECG8552



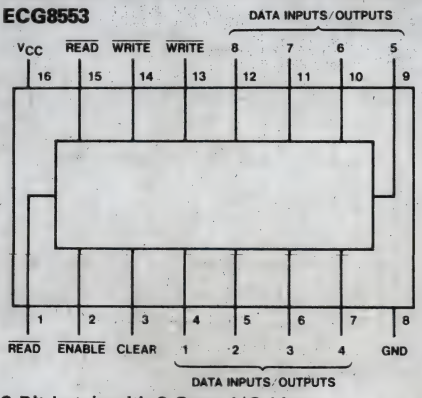
DISCONTINUED

Synchronous Decade Counter/Latch with 3-State Output

Package Outlines - See Page 1-357

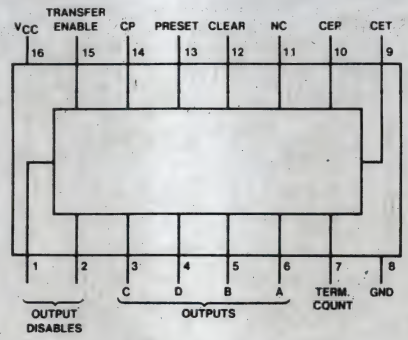
TTL Logic Diagrams (cont'd)

Diag. 263 — 16-Pin DIP See Fig. D8
ECG8553



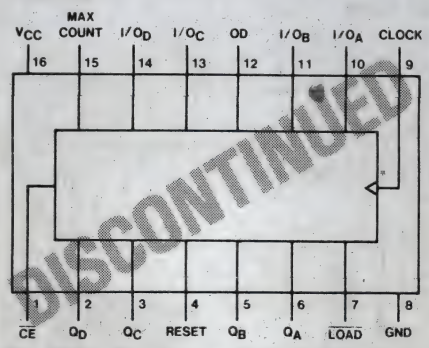
8-Bit Latch with 3-State I/O Lines

Diag. 264 — 16-Pin DIP See Fig. D8
ECG8554



Synchronous 4-Bit Binary Counter/Latch with 3-State Output

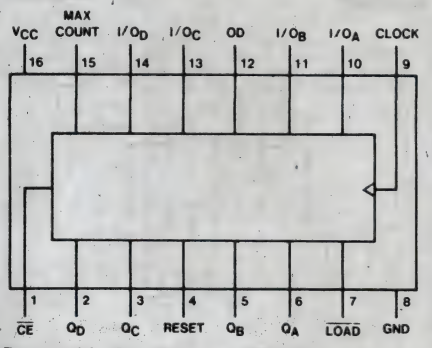
Diag. 265 — 16-Pin DIP See Fig. D8
ECG8555



DISCONTINUED

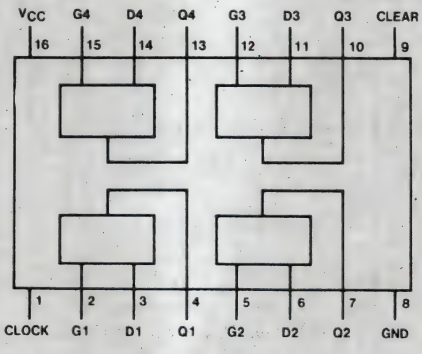
Presettable Synchronous Decade Counter with 3-State Output

Diag. 266 — 16-Pin DIP See Fig. D8
ECG8556



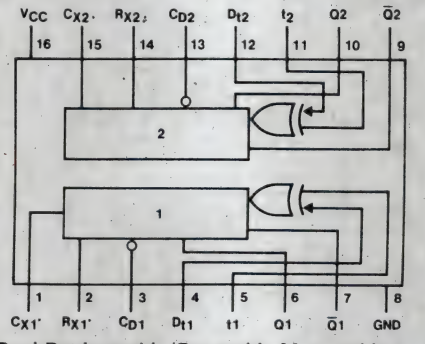
Presettable Synchronous 4-Bit Binary Counter with 3-State Output

Diag. 267 — 16-Pin DIP See Fig. D8
ECG8613



Quad Gated "D" Flip-Flop

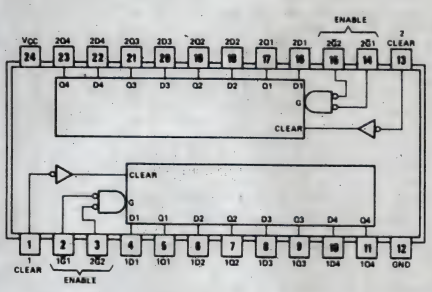
Diag. 268 — 16-Pin DIP See Fig. D8
ECG8853



Dual Retriggerable/Resettable Monostable Multivibrator with Delay

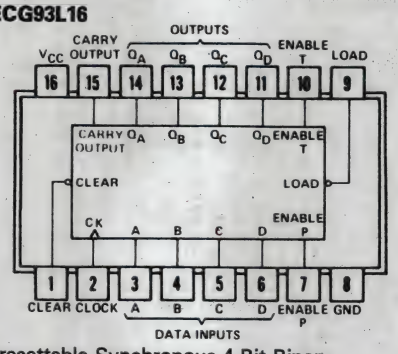
*Pins for external timing

Diag. 269 — 24-Pin DIP See Fig. D15
(See Also Diag. 249)
ECG93L08



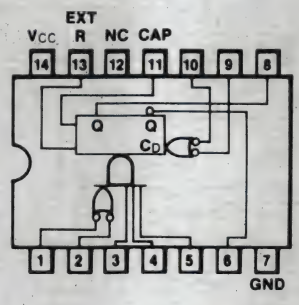
Dual 4-Bit Latch

Diag. 270 — 16-Pin DIP See Fig. D8
(See Also Diag. 252)
ECG93L16



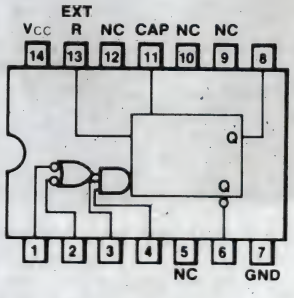
Presettable Synchronous 4-Bit Binary Counter with Direct Clear

Diag. 271 — 14-Pin DIP See Fig. D6
ECG9600



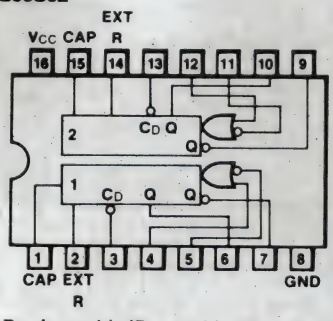
Retriggerable/Resettable Monostable Multivibrator

Diag. 272 — 14-Pin DIP See Fig. D6
ECG9601



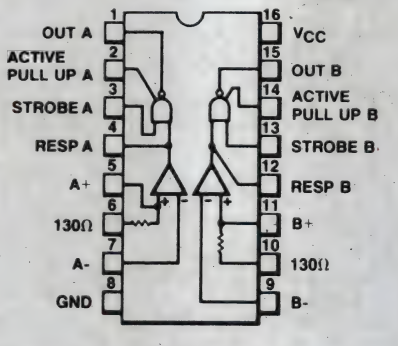
Retriggerable Monostable Multivibrator

Diag. 273 — 16-Pin DIP See Fig. D8
ECG9602, ECG96L02, ECG96LS02, ECG96S02



Dual Retriggerable/Resettable Monostable Multivibrator

Diag. 274 — 16-Pin DIP See Fig. D8
ECG9615



Dual Differential Line Receiver

Package Outlines - See Page 1-357

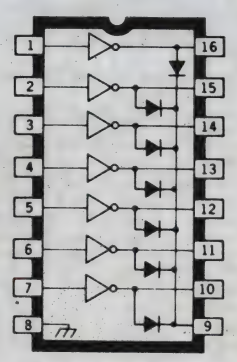
Interface, Display Driver Integrated Circuits

ECG No.	Description	Page No.	Fig. No.
74C48	IC-CMOS BCD-7-Segment Decoder	1-327	D8
74C925	IC-CMOS 4-Digit Counter, Multiplex 7-Segment Driver	1-343	D8
74LS47	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-327	D8
74SL48	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-327	D8
74LS49	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-327	D6
74LS240	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-337	D12
74LS241	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-338	D12
74LS242	IC-TTL Lo Pwr Schottky Quad Bus Transceiver	1-338	D6
74LS243	IC-TTL Lo Pwr Schottky Quad Bus Transceiver	1-338	D6
74LS244	IC-TTL Lo Pwr Schottky Octal 3-State Driver	1-338	D12
74LS247	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-338	D8
74LS248	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-338	D8
74LS249	IC-TTL Lo Pwr Schottky BCD-to-7-Segment Decoder/Driver	1-338	D8
74LS366A	IC-TTL Lo Pwr Schottky Hex Inverter/Buffer with Common 2-Input NOR Enable	1-340	D8
74LS367	IC-TTL Lo Pwr Schottky Hex 3-State Buffer with Separate 2-Bit and 4-Bit Sections	1-340	D8
74LS368	IC-TTL Lo Pwr Schottky Hex 3-State Inverter/Buffer with Separate 2-Bit and 4-Bit Sections	1-340	D8
74LS540	IC-TTL Octal 3-State Inverting Buffer/Driver	1-341	D12
74LS541	IC-TTL Octal 3-State Non-Inverting Buffer/Driver	1-341	D12
916	IC-Transistor Array for Digital Segment Displays	1-175	L111
1500	IC-Voltage Level Ind. Dr, 7-Step Output for LED, Log Scale	1-220	L151
1501	IC-Voltage Level Ind. Dr, 7-Step Output for LED, Linear Scale	1-220	L151
1502	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-220	L41
1503	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-220	L41
1504	IC-Voltage Level Ind. Dr, 5-Step Log, Open Collector Outputs	1-220	L97
1505	IC-Voltage Level Ind. Dr, 5-Step Linear, Open Collector Outputs	1-220	L97
1506	IC-Voltage Level Ind. Dr, 10-Step Linear, Open Collector Outputs	1-220	L111
1508	IC-Voltage Level Ind. Dr, 10-Step Linear, Open Collector Outputs	1-220	L115
1509	IC-Voltage Level Ind. Dr, 10-Step Log, Open Collector Outputs	1-220	L115
1510	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-220	L35
1511	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Linear Scale	1-220	L144
1512	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-220	L144
1514	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-220	L111
1515	IC-Voltage Level Ind. Dr, 5-Step Output for LED, Log Scale	1-220	L111
1519	IC-Voltage Level Ind. Dr, 10-Step Output for LED, Linear Scale	1-221	L111
1537	IC-Time-Frequency Display Dr for AM/FM w/Stopwatch Day/Date (CMOS)	1-221	L126
2011	IC-7 Channel MOS/TTL Input Driver	1-348	D8
2012	IC-7 Channel PMOS Input Driver	1-348	D8
2013	IC-7 Channel CMOS/TTL Input Driver	1-348	D8
2014	IC-7 Channel CMOS/PMOS Input Driver	1-348	D8
2015	IC-7 Channel CMOS/TTL Input Driver	1-348	D8
2016	IC-8 Channel MOS/TTL Input Driver	1-348	D10
2017	IC-8 Channel PMOS Input Driver	1-348	D10
2018	IC-8 Channel CMOS/TTL Input Driver	1-348	D10
2019	IC-8 Channel CMOS/PMOS Input Driver	1-348	D10
2020	IC-8 Channel CMOS/TTL Input Driver	1-348	D10
2021	IC-8 Digit/Segment Display Driver	1-348	D10
2022	IC-8 Digit/Segment Display Driver	1-348	D10
2023	IC-7 Segment Display Driver	1-348	D8
2024	IC-2 Digit BCD-to-7-Segment Decoder/Driver	1-348	D15
2025	IC-Quad HV Display Driver for Gas Discharge Displays	1-348	D6
2026	IC-Hex HV Display Driver for Gas Discharge Displays	1-348	D8
2027	IC-Hex LED Digit Driver, MOS Compatible	1-348	D6
2028	IC-7-Segment HV Decoder/Driver for Gas Filled Displays	1-348	D8
2030	IC-HV Segment Driver for Gas Discharge Displays	1-348	D10
2031	IC-HV Digit Driver for Gas Discharge Displays (Active Low Inputs)	1-349	D8
2032	IC-BCD-to-7-Segment Decoder/Driver with Constant Current Outputs	1-349	D8
2033	IC-Darlington Array, 4-Unit 1.5 A	1-349	D9
2070	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe	1-349	D10
2071	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode and Strobe	1-349	D10
2072	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe	1-349	D8
2073	IC-Transistor Array, 6-Unit 320 mA with Clamp Diode and Strobe	1-349	D8
2074	IC-Darlington Array, 7-Unit 400 mA with Clamp Diode	1-348	D8
2075	IC-Transistor Array, 5-Unit 320 mA with Strobe	1-349	D6
2076	IC-Darlington Array, 7-Unit 150 mA with Clamp Diode	1-348	D8
2077	IC-Transistor Array, 6-Unit 150 mA with Clamp Diode	1-349	D6
2078	IC-Darlington Array, 5-Unit 500 mA	1-349	D6
2079	IC-Darlington Array, 7-Unit 400 mA	1-349	D8
2080	IC-Transistor Array, 7-Unit 100 mA with Strobe	1-349	D10
2081	IC-Transistor Array, 7-Unit 100 mA Drivers	1-348	D8
2082	IC-Darlington Array, 6-Unit 100 mA	1-349	D7
2083	IC-Darlington Array, 6-Unit 150 mA	1-349	D7
2084	IC-Darlington Array, 5-Unit 150 mA	1-349	D7
2085	IC-Darlington Array, 4-Unit 1.5 A	1-349	D8
2086	IC-Darlington Array, 4-Unit 1.5 A (PMOS Compatible Inputs)	1-349	D8
2087	IC-Darlington Array, 4-Unit 1.5 A with Pre-Driver Stage	1-350	D8
2088	IC-Darlington Array, 4-Unit 1.5 A with Pre-Driver Stage	1-350	D8
2090	IC-Transistor Array, 7-Unit 150 mA with Clamp Diode	1-350	D8
2631	IC-Quad EIA-422 Line Driver	1-350	D9
2632	IC-Quad EIA-422/3 Line Receiver	1-350	D9
4055B	IC-CMOS BCD-7-Segment Decoder/Driver	1-299	D8
4056B	IC-CMOS BCD-to-7-Segment Decoder/Driver with Strobed Latch	1-299	D8
4511B	IC-CMOS BCD-to-7-Segment Latch Decoder/Driver	1-302	D8
4513B	IC-CMOS BCD-to-7-Segment Latch/Decoder/Driver with Ripple Blanking	1-302	D8
6880	IC-Schottky Quad 3-State Inverting Bus Transceiver	1-350	D8
6885	IC-Schottky Hex Hi Speed 3-State Non-Inverting Bus/Interface Driver with Common Enable	1-350	D8
6886	IC-Schottky Hex Hi Speed 3-State Inverting Bus/Interface Driver with Common Enable	1-350	D8
6887	IC-Schottky Hex Hi Speed 3-State Non-Inverting Bus/Interface Driver with 2-Line and 4-Line Enable	1-350	D8
6888	IC-Schottky Hex Hi Speed 3-State Inverting Bus/Interface Driver with 2-Line and 4-Line Enable	1-350	D8
6889	IC-Schottky Quad 3-State Non-Inverting Bus Transceiver	1-350	D8
7441	IC-TTL 1-of-10 Decoder/Driver for Cold Cathode Indicator Tubes	1-326	D8
7445	IC-TTL BCD-to-Decimal Decoder/Driver (30V)	1-327	D8
7446	IC-TTL BCD-to-7-Segment Decoder/Driver (30V)	1-327	D8
7447	IC-TTL BCD-to-7-Segment Decoder/Driver (15V)	1-327	D8
7448	IC-TTL BCD-to-7-Segment Decoder/Driver	1-327	D8
8368	IC-TTL 7-Segment Latch/Decoder/Driver for Common Cathode LED	1-345	D6
8370	IC-TTL 7-Segment Decoder/Driver/Latch with Open Collector Outputs	1-345	D8
8374	IC-TTL 7-Segment Latch/Decoder/Driver for Common Anode LED	1-345	D8
9380	IC-HLL BCD-to-Decade Decoder/Lamp Driver	1-313	D8
9381	IC-HLL BCD-to-Decade Decoder/Logic Driver	1-313	D8
9382	IC-HLL BCD-to-Decade Decoder/Gas Discharge Tube Driver	1-313	D8
9383	IC-HLL BCD-to-7-Segment Decoder/Driver	1-313	D8
9679	IC-HTL Dual Lamp/Line Driver	1-316	D6
74141	IC-TTL BCD-to-Decimal Decoder/Driver	1-333	D8
74142	IC-TTL BCD Counter/4-Bit Latch/BCD Decoder/Driver	1-333	D8
74145	IC-TTL BCD-to-Decimal Decoder/Driver	1-334	D8
74249	IC-TTL BCD-to-7-Segment Decoder/Driver	1-338	D8
74365	IC-TTL Hex Non-Inverting 3-State Bus Driver with Common Enable	1-340	D8
74366	IC-TTL Hex Inverting 3-State Bus Driver with Common Enable	1-340	D8
74367	IC-TTL Hex Non-Inverting 3-State Bus Driver with 4-Line and 2-Line Enable	1-340	D8
74368	IC-TTL Hex Inverting 3-State Bus Driver with 4-Line and 2-Line Enable	1-340	D8
75188	IC-DTL Quad Line Driver	1-350	D6
75189	IC-DTL Quad Line Receiver	1-350	D6
75450B	IC-Dual Peripheral AND Driver	1-351	D6
75451B	IC-Dual Peripheral AND Driver	1-351	D4
75452B	IC-Dual Peripheral NAND Driver	1-351	D4
75453B	IC-Dual Peripheral OR Driver	1-351	D4
75454B	IC-Dual Peripheral NOR Driver	1-351	D4
75491B	IC-4-Segment MOS to LED Anode Driver	1-351	D6
75493	IC-4-Segment MOS to LED Anode Driver	1-351	D8
75494	IC-6 Digit MOS to LED Cathode Driver	1-351	D8
75497	IC-7 Digit MOS to LED Cathode Driver	1-351	D8

Display Driver Circuits

ECG	I_O Max*
2011	500 mA
2012	500 mA
2013	500 mA
2014	500 mA
2015	500 mA
2074	400 mA
2076	150 mA
2081	100 mA

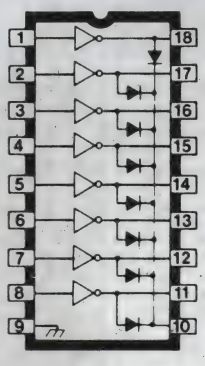
16-Pin DIP See Fig. D8



7 Unit Darlington Array/Driver

ECG	I_O Max*
2016	500 mA
2017	500 mA
2018	500 mA
2019	500 mA
2020	500 mA

18-Pin DIP See Fig. D10

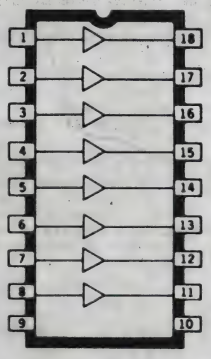


8 Unit Darlington Array/Driver

ECG	I_O Max*
2021	40 mA
2022	40 mA

18-Pin DIP See Fig. D10

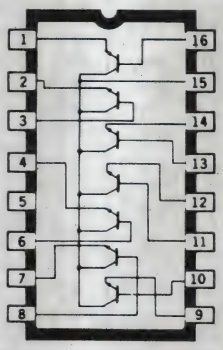
V_{BB} = +80 V



8 Digit/Segment, Darlington Array/Driver

ECG	I_O Max*
2023	200 mA

16-Pin DIP See Fig. D8

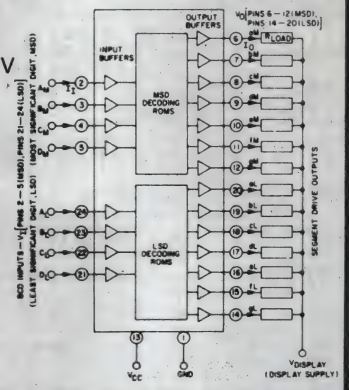


7 Segment/LED, Transistor Array/Driver

ECG	I_O Max*
2024	25 mA

24-Pin DIP See Fig. D15

V_{CC} = +5 V

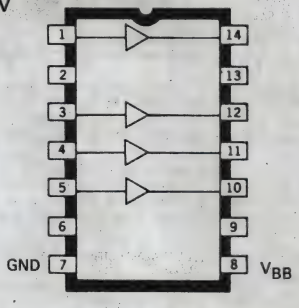


2 Digit BCD-to-7 Segment Decoder/Driver

ECG	I_O Max*
2025	40 mA

14-Pin DIP See Fig. D6

V_{BB} = +100 V

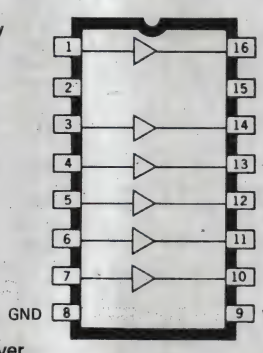


4 HV Digit Driver

ECG	I_O Max*
2026	40 mA

16-Pin DIP See Fig. D8

V_{BB} = +100 V

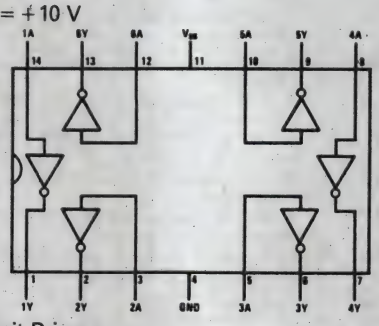


6 HV Digit Driver

ECG	I_O Max*
2027	350 mA

14-Pin DIP See Fig. D6

V_{SS} = +10 V

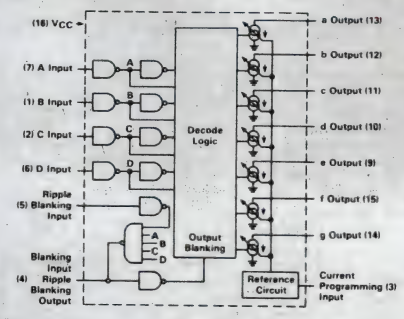


6 Digit Driver

ECG	I_O Max*
2028	1.5 mA

16-Pin DIP See Fig. D8

V_{CC} = +5 V

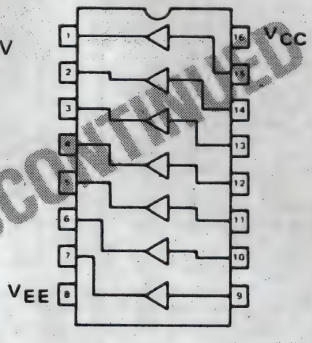


BCD-to-7 Segment Decoder/Driver

ECG	I_O Max*
2029	50 mA

16-Pin DIP See Fig. D8

V_{EE} = −55 V
V_{CC} = GND



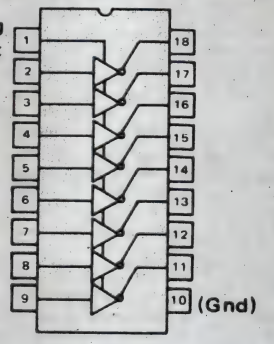
DISCONTINUED

7 HV Digit Driver (Active High Input)

ECG
2030

18-Pin DIP See Fig. D10

Programming Current



8 HV Segment Driver

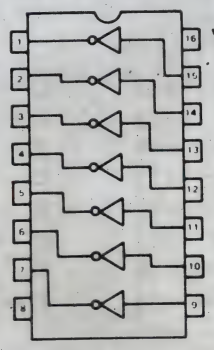
* I_O Max = Max Current Per Output

Package Outlines - See Page 1-357

Display Driver Circuits (cont'd)

ECG 2031 — I_O Max* 50 mA — 16-Pin DIP See Fig. D8

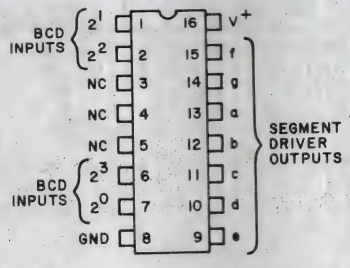
$V_{EE} = -55$ V
$V_{CC} = GND$



7 HV Digit Driver (Active Low Input)

ECG 2032 — I_O Max* 30 mA — 16-Pin DIP See Fig. D8

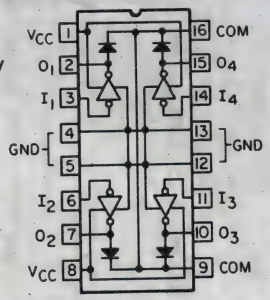
$V^+ = +5$ V



BCD-to-7 Segment Decoder/Driver, w/Constant Current Outputs

ECG 2033 — I_O Max* 1.5 A — 16-Pin DIP See Fig. D9

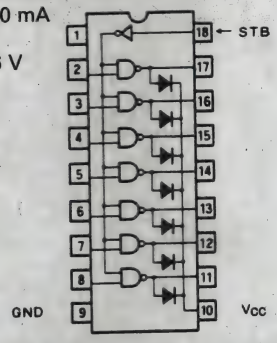
$V_{CC} = +5$ V



4 Unit Darlington Array/Driver (Active Low Input

ECG 2070 — I_O Max* 150 mA
ECG 2071 — I_O Max* 150 mA — 18-Pin DIP See Fig. D10

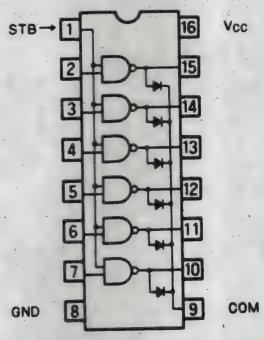
$V_{CC} = +6$ V



7 Unit Transistor Array/Driver, w/Clamp Diode and Strobe

ECG 2072 — I_O Max* 320 mA
ECG 2073 — I_O Max* 320 mA — 16-Pin DIP See Fig. D8

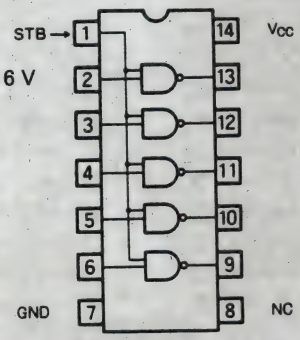
$V_{CC} = +6$ V



6 Unit Transistor Array/Driver, w/Clamp Diode and Strobe

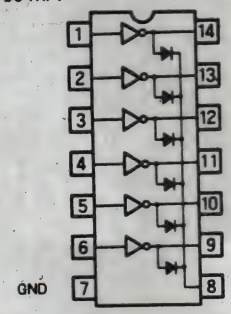
ECG 2075 — I_O Max* 320 mA — 14-Pin DIP See Fig. D6

$V_{CC} = +6$ V



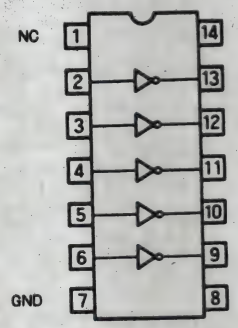
5 Unit Transistor Array/Driver, w/Strobe

ECG 2077 — I_O Max* 150 mA
ECG 2082 — I_O Max* 100 mA — 14-Pin DIP See Fig. D6 See 14-Pin DIP-ET See Fig. D7



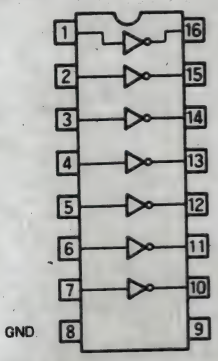
6 Unit Darlington Array/Driver, w/Clamp Diode

ECG 2078 — I_O Max* 500 mA
ECG 2084 — I_O Max* 500 mA — 14-Pin DIP See Fig. D6 See 14-Pin DIP-ET See Fig. D7



5 Unit Darlington Array/Driver

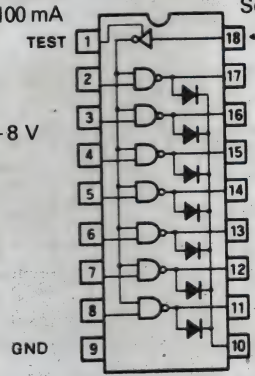
ECG 2079 — I_O Max* 400 mA — 16-Pin DIP Fig. D8



7 Unit Darlington Array/Driver

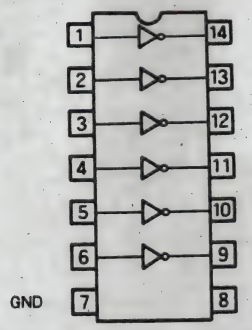
ECG 2080 — I_O Max* 100 mA — 18-Pin DIP See Fig. D10

$V_{CC} = +8$ V



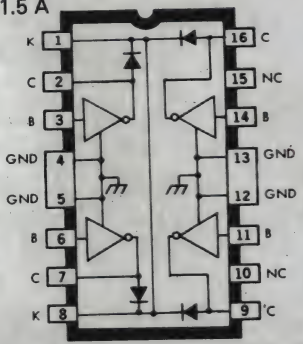
7 Unit Transistor Array/Driver, w/strobe

ECG 2083 — I_O Max* 150 mA — 14-Pin DIP-ET See Fig. D7



6 Unit Darlington Array/Driver

ECG 2085 — I_O Max* 1.5 A
ECG 2086 — I_O Max* 1.5 A — 16-Pin DIP See Fig. D8



4 Unit Darlington Array/Driver

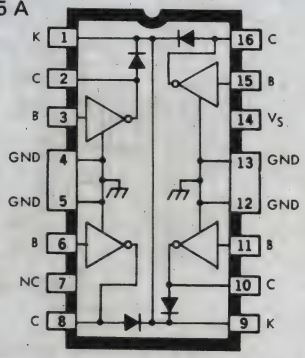
* I_O Max = Current Per Transistor

Package Outlines - See Page 1-357

P

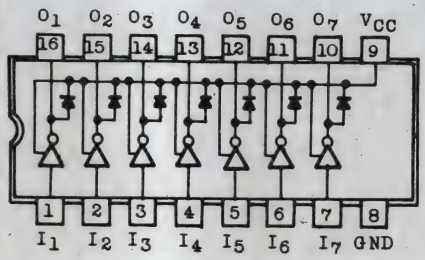
Display Driver Circuits (cont'd)

ECG 2087 / **ECG 2088** — I_O Max* 1.5 A — 16-Pin DIP See Fig. D8



4 Unit Darlington Array/Driver, w/Pre-Driver

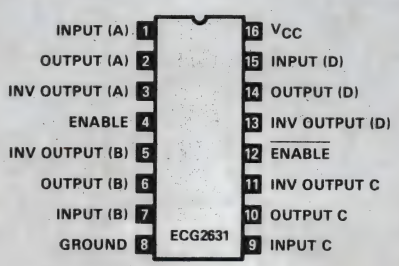
ECG 2090 — I_O Max* 150 mA — 16-Pin DIP See Fig. D8



7 Unit Transistor Array/Driver, w/Clamp Diode

ECG 2631 — 16-Pin DIP See Fig. D9

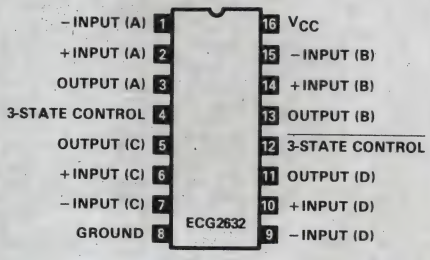
V_{CC} = +5 V



Quad EIA-422 Line Driver

ECG 2632 — 16-Pin DIP See Fig. D9

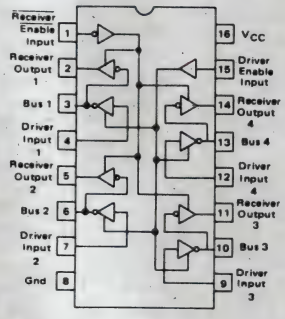
V_{CC} = +5 V



Quad EIA-422/3 Line Receiver

ECG 6880 — 16-Pin DIP See Fig. D8

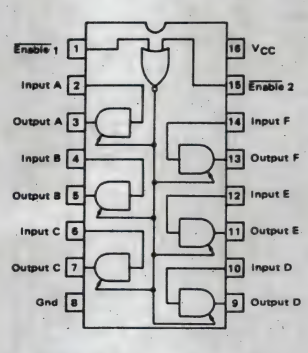
V_{CC} = +5 V



Schottky Quad 3-State Bus Transceiver (Inverting)

ECG 6885 — 16-Pin DIP See Fig. D8

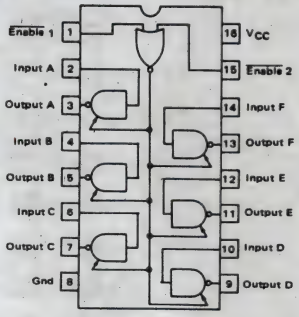
V_{CC} = +5 V



Schottky Hex 3-State Bus/IF Driver with Common Enable (Non-Inverting)

ECG 6886 — 16-Pin DIP See Fig. D8

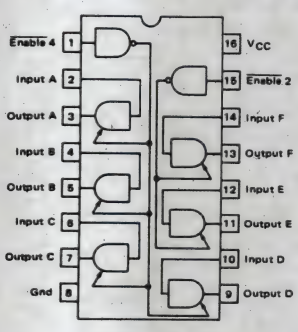
V_{CC} = +5 V



Schottky Hex 3-State Bus/IF Driver, with Common Enable (Inverting)

ECG 6887 — 16-Pin DIP See Fig. D8

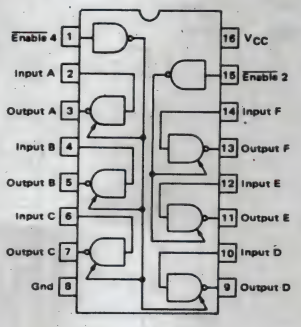
V_{CC} = +5 V



Schottky Hex 3-State Bus/IF Driver, w/2 & 4 Line Enable (Non-Inverting)

ECG 6888 — 16-Pin DIP See Fig. D8

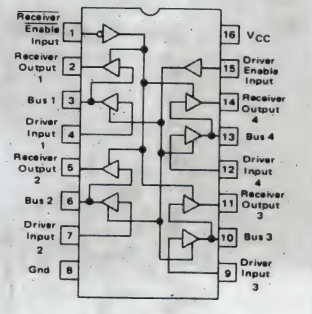
V_{CC} = +5 V



Schottky Hex 3-State Bus/IF Driver, w/2 & 4 Line Enable (Inverting)

ECG 6889 — 16-Pin DIP See Fig. D8

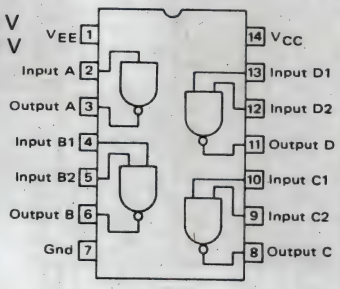
V_{CC} = +5 V



Schottky Quad 3-State Bus Transceiver (Non-Inverting)

ECG 75188 — 14-Pin DIP See Fig. D6

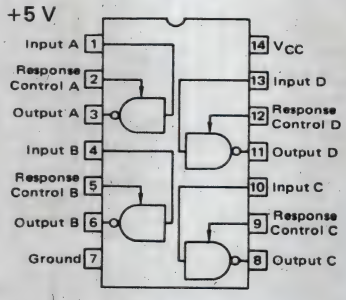
V_{CC} = +9 V
V_{EE} = −9 V



DTL Quad Line Driver

ECG 75189 — 14-Pin DIP See Fig. D6

V_{CC} = +5 V



DTL Quad Line Receiver

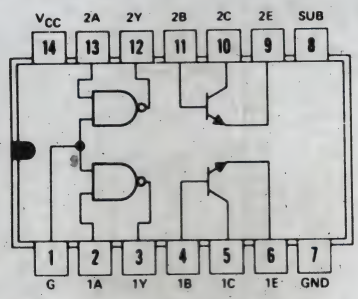
* I_O Max = Max Current Per Output

Package Outlines - See Page 1-357

Display Driver Circuits (cont'd)

ECG 75450B — 14-Pin DIP See Fig. D6

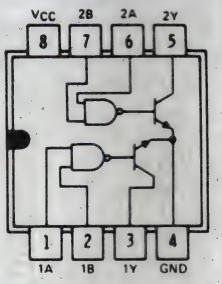
V_{CC} = +5 V



Dual Peripheral (NAND) AND Driver

ECG 75451B — 8-Pin DIP See Fig. D4

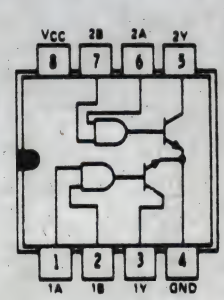
V_{CC} = +5 V



Dual Peripheral AND Driver

ECG 75452B — 8-Pin DIP See Fig. D4

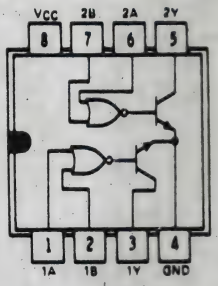
V_{CC} = +5 V



Dual Peripheral NAND Driver

ECG 75453B — 8-Pin DIP See Fig. D4

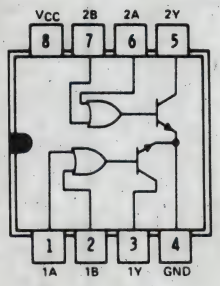
V_{CC} = +5 V



Dual Peripheral OR Driver

ECG 75454B — 8-Pin DIP See Fig. D4

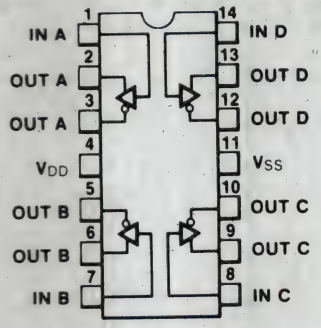
V_{CC} = +5 V



Dual Peripheral NOR Driver

ECG 75491B — I_O Max* 50 mA — 14-Pin DIP See Fig. D6

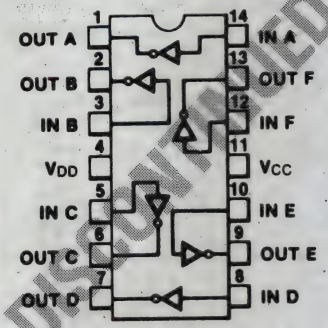
V_{SS} = +20 V, V_{DD} = GND



4 Unit Darlington LED Segment Driver

ECG 75492B — I_O Max* 250 mA — 14-Pin DIP See Fig. D6

V_{CC} = +10 V, V_{DD} = GND

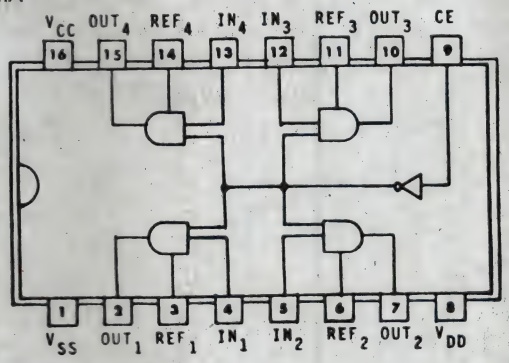


DISCONTINUED

6 Unit Darlington Digit Driver

ECG 75493 — I_O Max* 25 mA — 16-Pin DIP See Fig. D8

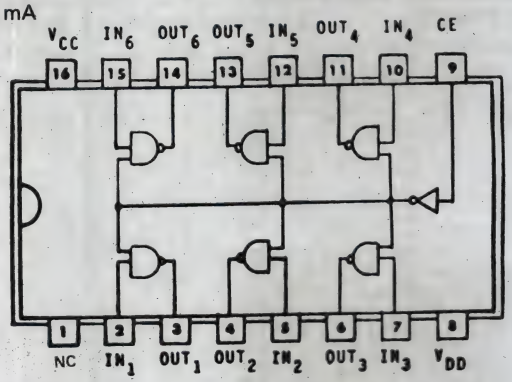
V_{CC} = +5 V
V_{SS} = +8 V
V_{DD} = GND



4 Unit LED Segment Driver, w/Blanking

ECG 75494 — I_O Max* 150 mA — 16-Pin DIP See Fig. D8

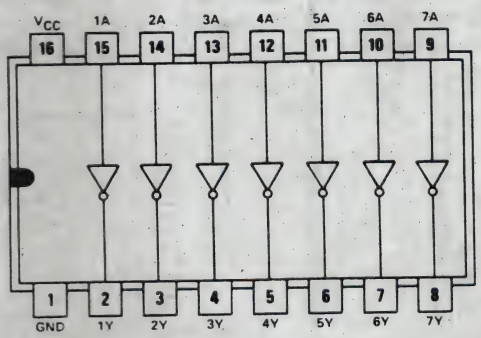
V_{CC} = +5 V
V_{DD} = GND



6 Unit LED Digit Driver, w/Blanking

ECG 75497 — I_O Max* 100 mA — 16-Pin DIP See Fig. D8

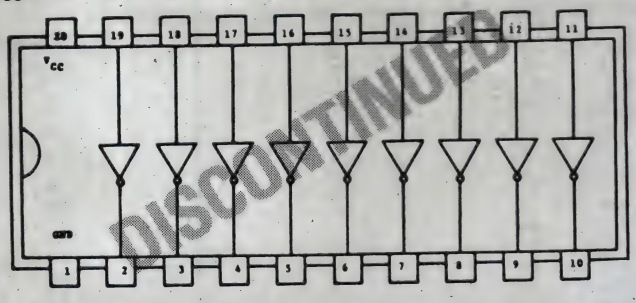
V_{CC} = +6 V



7 Unit LED Digit Driver

ECG 75498 — I_O Max* 100 mA — 20-Pin DIP See Fig. D12

V_{CC} = +6 V



DISCONTINUED

9 Unit LED Digit Driver

* I_O Max = Current Per Transistor

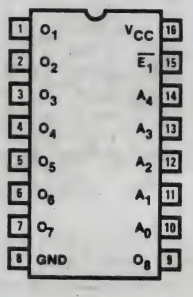
Package Outlines - See Page 1-357

Microprocessor and Memory Circuits

ECG74S188 16-Pin DIP See Fig. D8

Schottky TTL 256 Bit (32 x 8) PROM, Open Collector Output, 35 nsec Max Access Time

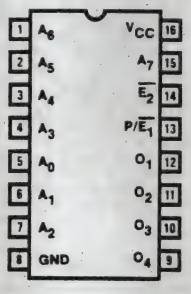
$V_{CC} = +5\,V$



ECG74S287 16-Pin DIP See Fig. D8

Schottky TTL 1K (256 x 4) PROM, 3-State Output, 50 nsec Max Access Time

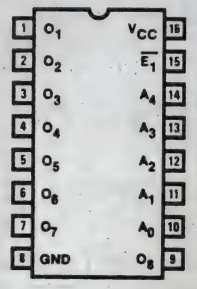
$V_{CC} = +5\,V$



ECG74S288 16-Pin DIP See Fig. D8

Schottky TTL 256 Bit (32 x 8) PROM, 3-State Output, 35 nsec Max Access Time

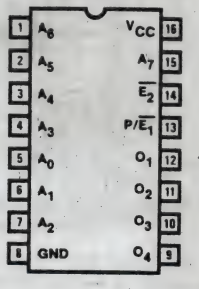
$V_{CC} = +5\,V$



ECG74S387 16-Pin DIP See Fig. D8

Schottky TTL 1K (256 x 4) PROM, Open Collector Outputs, 50 nsec Max Access Time

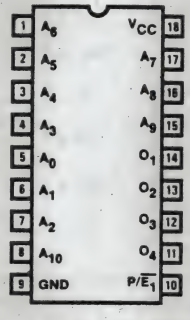
$V_{CC} = +5\,V$



ECG74S454 18-Pin DIP See Fig. D10

Schottky TTL 8K (2048 x 4) PROM, 3-State Output, 55 nsec Max Access Time

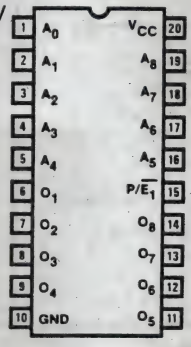
$V_{CC} = +5\,V$



ECG74S472 20-Pin DIP See Fig. D12

Schottky TTL 4K (512 x 8) PROM, 3-State Output, 60 nsec Max Access Time

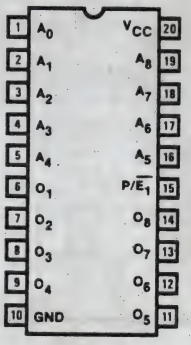
$V_{CC} = +5\,V$



ECG74S473 20-Pin DIP See Fig. D12

Schottky TTL 4K (512 x 8) PROM, Open Collector Output, 60 nsec Max Access Time

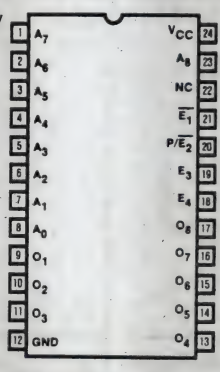
$V_{CC} = +5\,V$



ECG74S474 24-Pin DIP See Fig. D15

Schottky TTL 4K (512 x 8) PROM, 3-State Output, 65 nsec Max Access Time

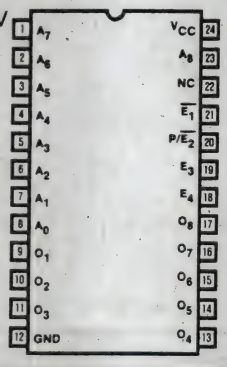
$V_{CC} = +5\,V$



ECG74S475 24-Pin DIP See Fig. D15

Schottky TTL 4K (512 x 8) PROM, Open Collector Output, 65 nsec Max Access Time

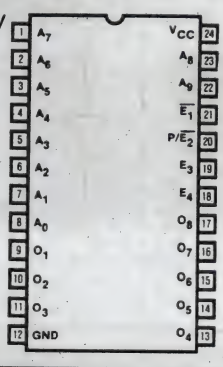
$V_{CC} = +5\,V$



ECG74S478 24-Pin DIP See Fig. D15

Schottky TTL 8K (1024 x 8) PROM, 3-State Output, 60 nsec Max Access Time

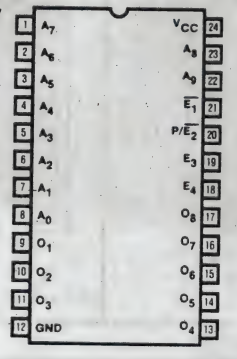
$V_{CC} = +5\,V$



ECG74S479 24-Pin DIP See Fig. D15

Schottky TTL 8K (1024 x 8) PROM, Open Collector Output, 60 nsec Max Access Time

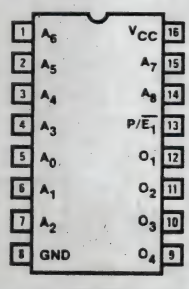
$V_{CC} = +5\,V$



ECG74S570 16-Pin DIP See Fig. D8

Schottky TTL 2K (512 x 4) PROM, Open Collector Output, 55 nsec Max Access Time

$V_{CC} = +5\,V$



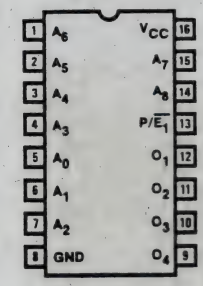
Package Outlines - See Page 1-357

Microprocessor and Memory Circuits (cont'd)

ECG74S571 16-Pin DIP See Fig. D8

Schottky TTL 2K (512 x 4) PROM, 3-State Output, 55 nsec Max Access Time

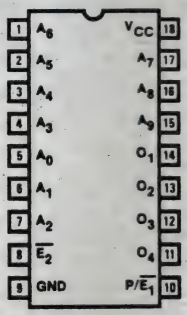
$V_{CC} = +5\,V$



ECG74S572 18-Pin DIP See Fig. D10

Schottky TTL 4K (1024 x 4) PROM, Open Collector Output, 60 nsec Max Access Time

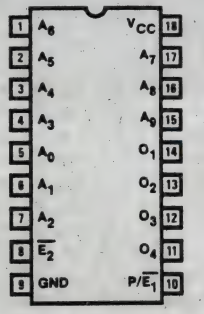
$V_{CC} = +5\,V$



ECG74S573 18-Pin DIP See Fig. D10

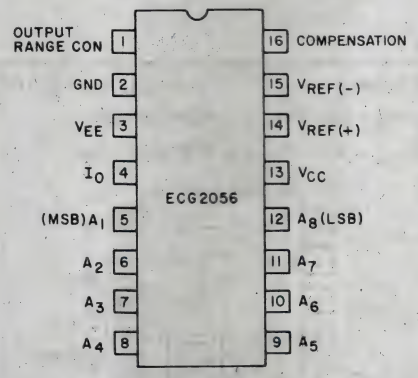
Schottky TTL 4K (1024 x 4) PROM, 3-State Output, 60 nsec Max Access Time

$V_{CC} = +5\,V$



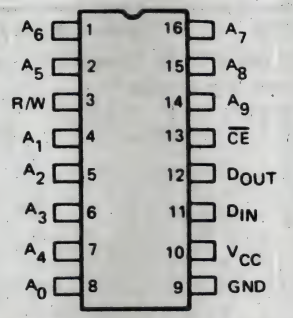
ECG2056 16-Pin DIP See Fig. D9

Digital to Analog Converter



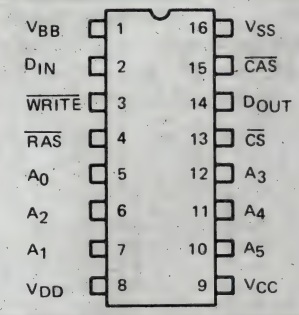
ECG2102 16-Pin DIP See Fig. D8

NMOS 1K Static RAM (SRAM), Organized 1K by 1 Bit, 350 nsec Max Access Time. Single supply: $V_{CC} = +5\,V$



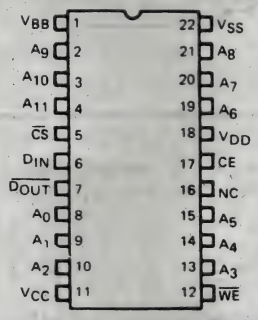
ECG2104 16-Pin DIP See Fig. D8

NMOS 4K Dynamic RAM (DRAM), Organized 4K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\,V$, $V_{BB} = -5\,V$, $V_{DD} = +12\,V$, $V_{SS} = GND$



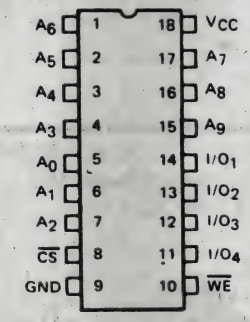
ECG2107 22-Pin DIP See Fig. D13

NMOS 4K Dynamic RAM (DRAM), Organized 4K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\,V$, $V_{BB} = -5\,V$, $V_{DD} = +12\,V$, $V_{SS} = GND$



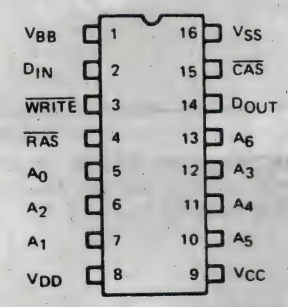
ECG2114 18-Pin DIP See Fig. D10

NMOS 4K Static RAM (SRAM), Organized 1K by 4 Bits, 300 nsec Max Access Time Single Supply: $V_{CC} = +5\,V$



ECG2117 16-Pin DIP See Fig. D8

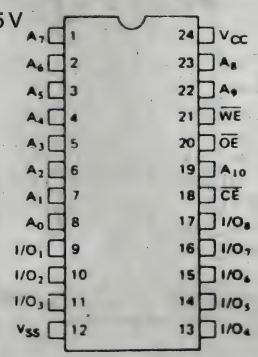
NMOS 16K Dynamic RAM (DRAM), Organized 16K by 1 Bit, 200 nsec Max Access Time. Triple Supply: $V_{CC} = +5\,V$, $V_{BB} = -5\,V$, $V_{DD} = +12\,V$, $V_{SS} = GND$



ECG2128 24-Pin DIP See Fig. D15

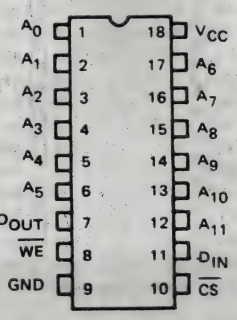
NMOS 16K Static RAM (SRAM), Organized 2K by 8 Bits, 150 nsec Max Access Time

$V_{CC} = +5\,V$



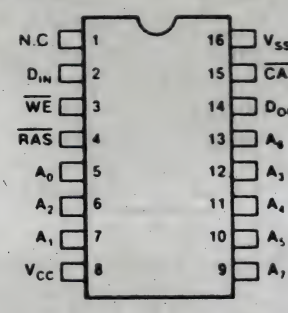
ECG2147 18-Pin DIP See Fig. D10

NMOS 4K Static RAM (SRAM), Organized 4K by 1 Bit, 55 nsec Max Access Time. Single Supply: $V_{CC} = +5\,V$



ECG2164 16-Pin DIP See Fig. D8

NMOS 64K Dynamic RAM (DRAM) Organized 64K by 1 Bit, 150 nsec Max Access Time, $V_{CC} = +5\,V$



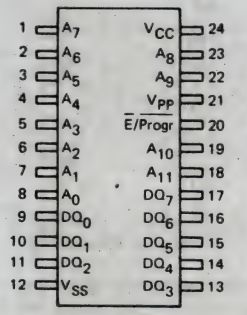
P

Package Outlines - See Page 1-357

Microprocessor and Memory Circuits (cont'd)

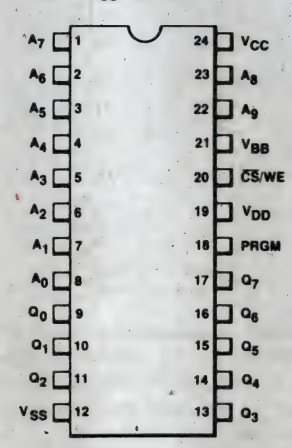
ECG2532 24-Pin DIP See Fig. D16

NMOS 32K UV EPROM, Organized 4K by 8 Bits, 300 nsec Max Access Time. Single Supply: V_{CC} = +5 V, V_{PP} = +25 V



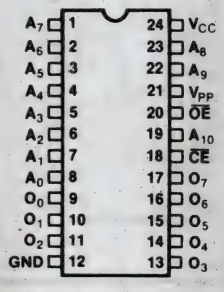
ECG2708 24-Pin DIP See Fig. D16

NMOS 8K UV EPROM, Organized 1K by 8 Bits, 450 nsec Max Access Time. Triple Supply: V_{CC} = +5 V, V_{BB} = −5 V, V_{DD} = +12 V, V_{SS} = GND



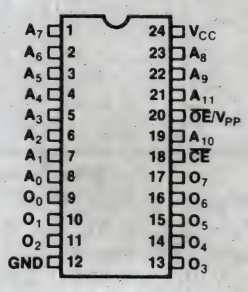
ECG2716 24-Pin DIP See Fig. D16

NMOS 16K UV EPROM, Organized 2K by 8 Bits, 450 nsec Max Access Time. Single Supply: V_{CC} = +5 V, V_{PP} = +25 V



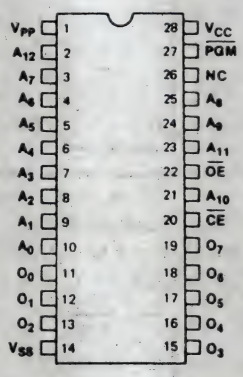
ECG2732 24-Pin DIP See Fig. D16

NMOS 32K UV EPROM, Organized 4K by 8 Bits, 200 nsec Max Access Time. Single Supply: V_{CC} = +5 V, V_{pp} = +21 V



ECG2764 28-Pin DIP See Fig. D18-1

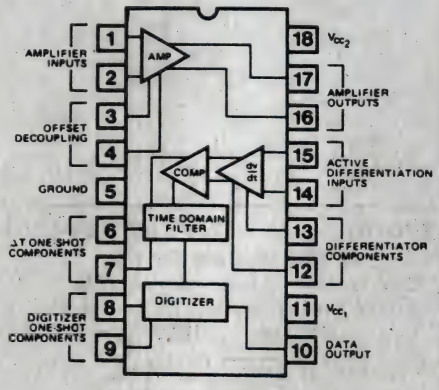
NMOS 64K EPROM, Organized 8K by 8 Bits, 200 nsec Max Access Time
V_{CC} = +5 V, V_{pp} = +12 V



ECG3470 18-Pin DIP See Fig. D11

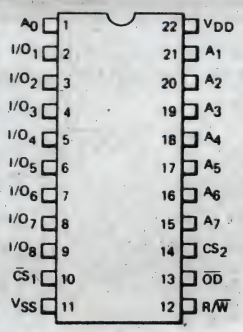
Floppy Disk Read Amplifier System

V_{cc1} = +5 V, V_{cc2} = +10 V to +14 V



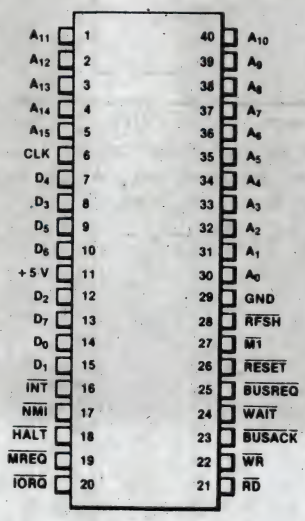
ECG3539 22-Pin DIP See Fig. D13

NMOS 2K Static RAM (SRAM), Organized 256 Words by 8 Bits, 500 nsec Max Access Time. Single Supply: V_{CC} = +5 V



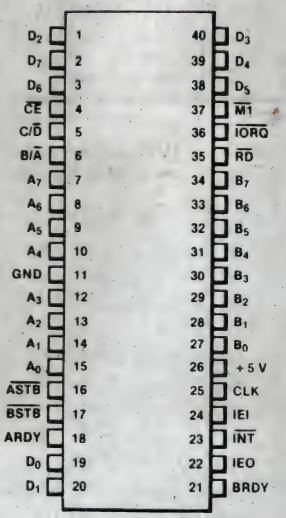
ECG3880 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 4 MHz Max Clock Rate, V_{CC} = +5 V



ECG3881 40-Pin DIP See Fig. D19

NMOS Parallel I/O Interface Adapter (PIO), 4 MHz Max Clock Rate, V_{CC} = +5 V

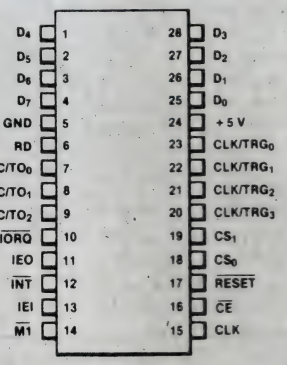


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Microprocessor and Memory Circuits (cont'd)

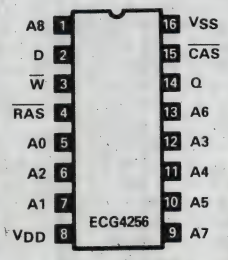
ECG3882 28-Pin Dip See Fig. D17

NMOS Programmable Counter Timer Circuit (CTC), $V_{CC} = +5$ V



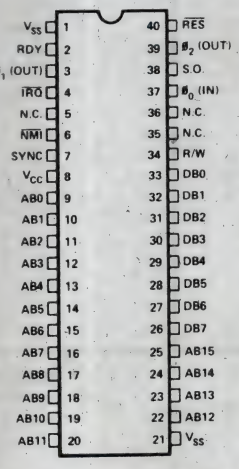
ECG4256 16-Pin DIP See Fig. D8

NMOS - 256K DRAM, 100 nsec Access Time, 256K x 1, Page Mode, $V_{DD} = +5$ V



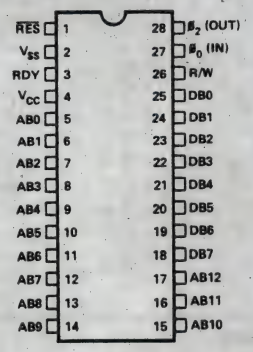
ECG6502 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



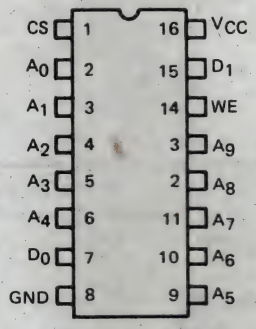
ECG6507 28-Pin DIP See Fig. D18

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/ Driver, 1 MHz Max Clock Rate, $V_{CC} = +5$ V



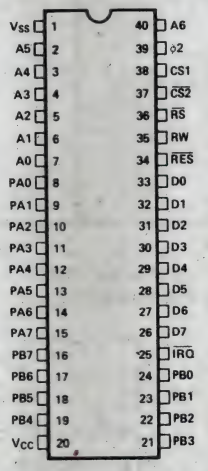
ECG6508 16-Pin DIP See Fig. D8

CMOS 1K Static RAM (SRAM), Organized 1K by 1 Bit, 300 nsec Max Access Time, $V_{CC} = +5$ V



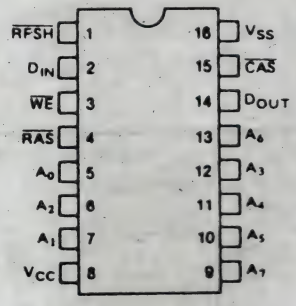
ECG6532 40-Pin DIP See Fig. D19

NMOS Combination 1K Static RAM (128 Words by 8 Bits), I/O and Timer Array, $V_{CC} = +5$ V



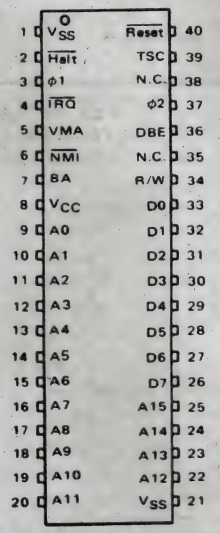
ECG6664 16-Pin DIP See Fig. D8

NMOS 64K Dynamic RAM (DRAM) with Pin #1 Refresh Control, Organized 64K by 1 Bit, 150 nsec Max Access Time, $V_{CC} = +5$ V



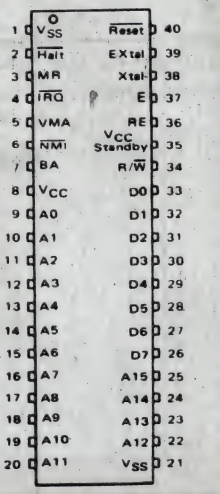
ECG6800 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



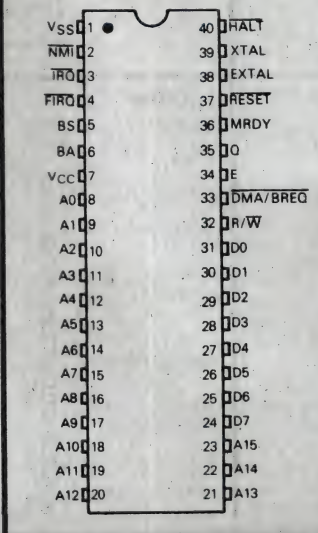
ECG6802 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/ Driver and 128 Bytes of Static RAM, 1 MHz Max Clock Rate, $V_{CC} = +5$ V



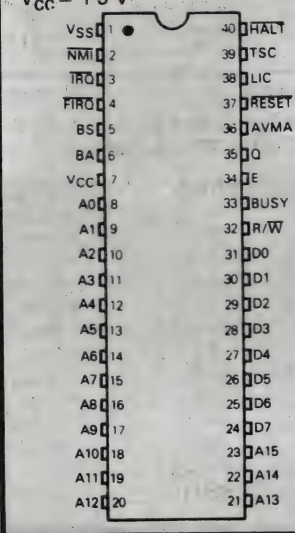
ECG6809 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) with Internal Clock Osc/ Driver, 1 MHz Max Clock Rate



ECG6809E 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU) Requires External Clock, 1 MHz Max Clock Rate, $V_{CC} = +5$ V

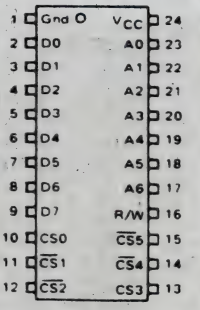


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Microprocessor and Memory Circuits (cont'd)

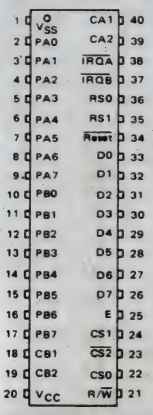
ECG6810 24-Pin DIP See Fig. D15

NMOS 1K Static RAM (SRAM), Organized 128 Words by 8 Bits, 450 nsec Max Access Time, $V_{CC} = +5$ V



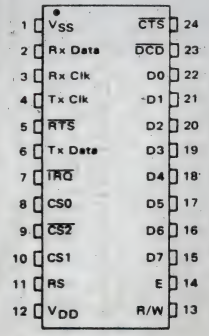
ECG6821 40-Pin DIP See Fig. D19

NMOS Peripheral Interface Adapter (PIA), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



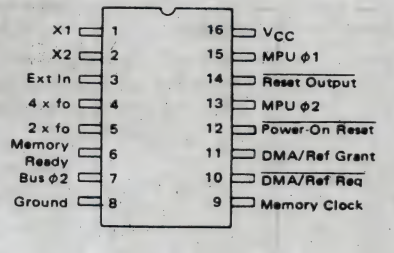
ECG6850 24-Pin DIP See Fig. D15

NMOS Asynchronous Communications Interface Adapter (ACIA), 1 MHz Max Clock Rate, $V_{CC} = +5$ V



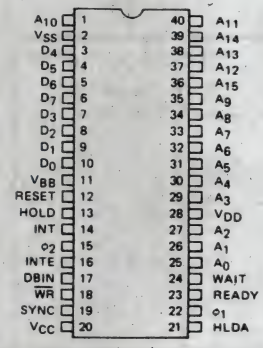
ECG6875 16-Pin DIP See Fig. D8

Schottky Two-Phase Clock Generator/Driver, $V_{CC} = +5$ V



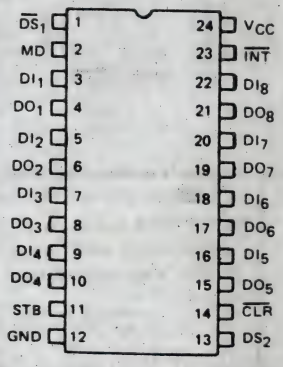
ECG8080A 40-Pin DIP See Fig. D19

NMOS 8-Bit Microprocessor (MPU), 2 MHz Max Clock Rate, $V_{CC} = +5$ V, $V_{BB} = -5$ V, $V_{DD} = +12$ V



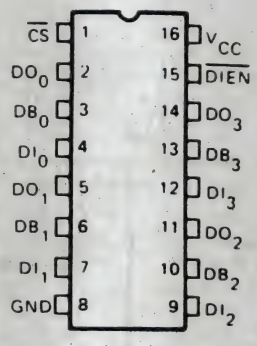
ECG8212 24-Pin DIP See Fig. D15

Schottky 8-Bit Input/Output Port, $V_{CC} = +5$ V



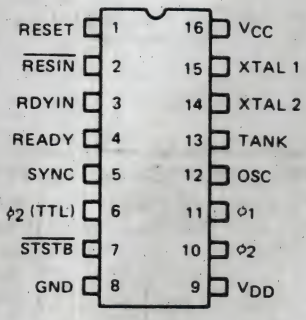
ECG8216 16-Pin DIP See Fig. D8

Schottky 4-Bit Parallel Bidirectional Non-Inverting Bus Driver, $V_{CC} = +5$ V



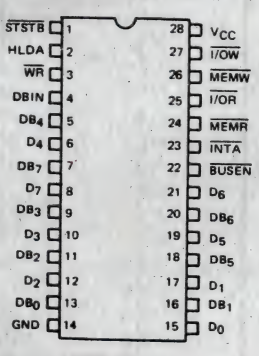
ECG8224 16-Pin DIP See Fig. D8

Schottky Clock Generator/Driver for 8080A MPU Systems, $V_{CC} = +5$ V



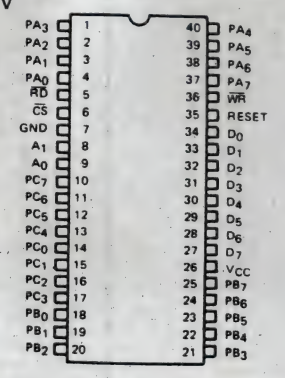
ECG8228 28-Pin DIP See Fig. D17

Schottky System Controller and Bus Driver for 8080A MPU Systems, $V_{CC} = +5$ V



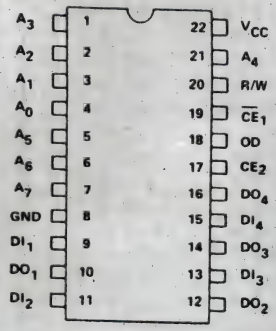
ECG8255 40-Pin DIP See Fig. D19

NMOS Programmable Peripheral Interface, $V_{CC} = +5$ V



ECG65101 22-Pin DIP See Fig. D13

CMOS Static 1K RAM, Organized 256 Words by 4 Bits, 450 nsec Max Access Time, $V_{CC} = +5$ V



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Digital, Display Driver, Microprocessor and Memory IC Outlines

Fig. D1 — 4-Pin SIP

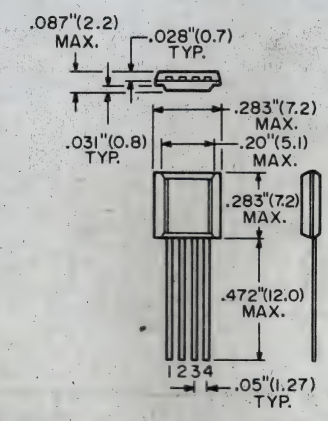


Fig. D2 — 8-Pin Can

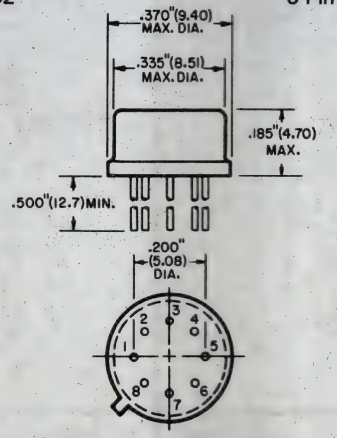


Fig. D3 — 10-Pin Can

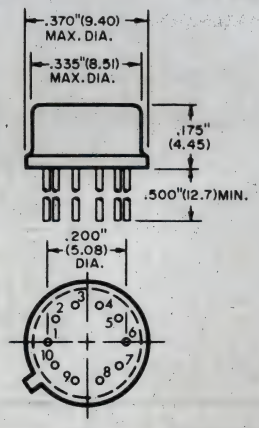


Fig. D4 — 8-Pin DIP

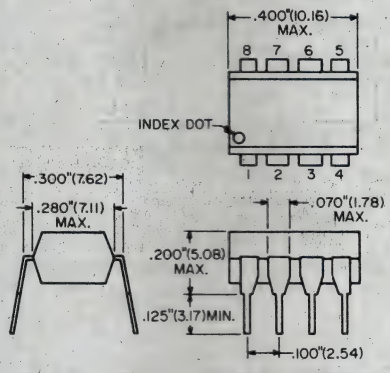


Fig. D5 — 8-Pin DIP

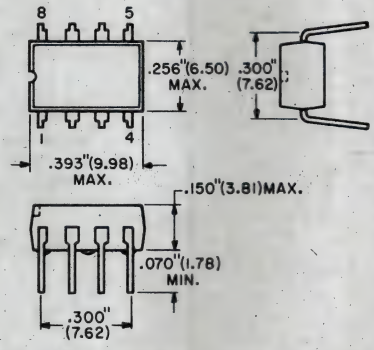


Fig. D6 — 14-Pin DIP

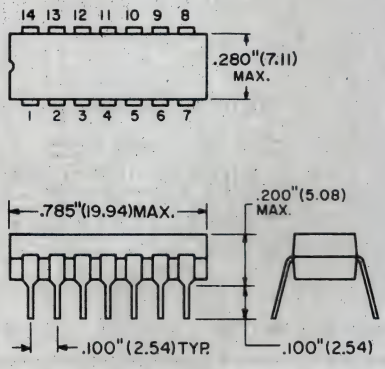


Fig. D7 — 14-Pin DIP-ET

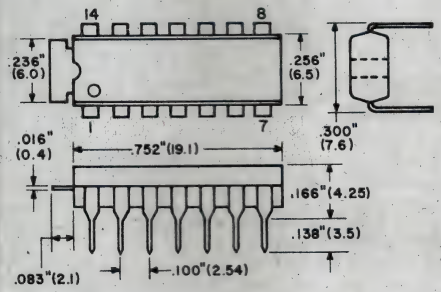


Fig. D8 — 16-Pin DIP

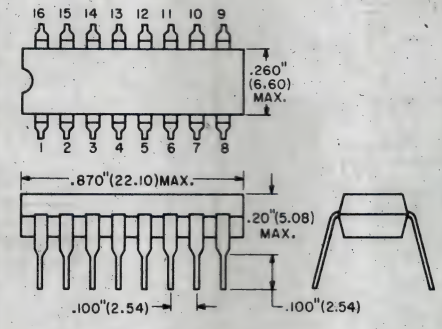


Fig. D9 — 16-Pin DIP

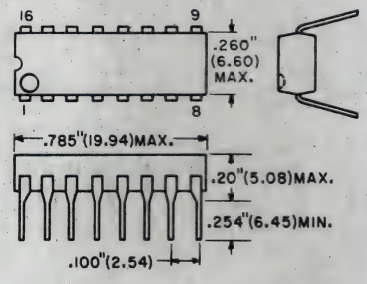


Fig. D10 — 18-Pin DIP

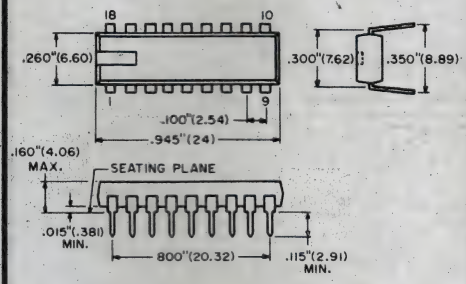


Fig. D11 — 18-Pin DIP

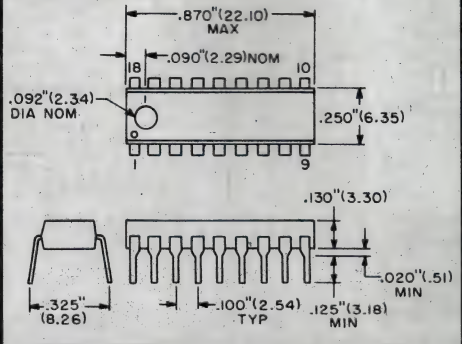
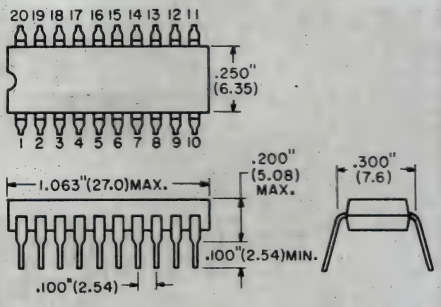


Fig. D12 — 20-Pin DIP



Dual inline plastic cases may have a round indentation on top surface for indexing in place of notched edge.

Digital, Display Driver, Microprocessor and Memory IC Outlines (cont'd)

Fig. D13 — 22-Pin DIP

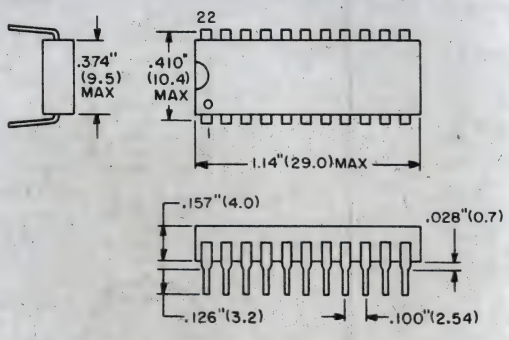


Fig. D14 — 24-Pin DIP

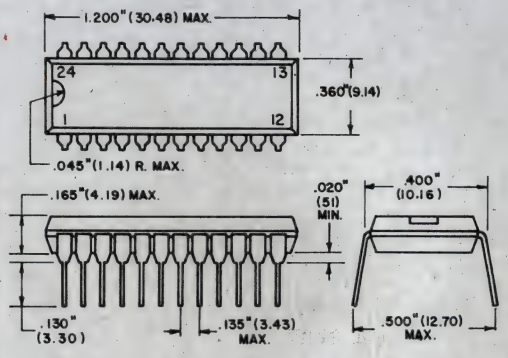
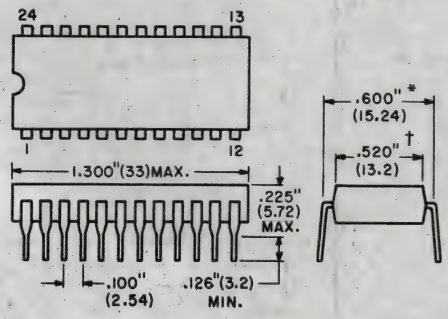


Fig. D15 — 24-Pin DIP



Note: ECG74HC154 *.300 (7.62), †.260 (6.6)

Fig. D16 — 24-Pin DIP

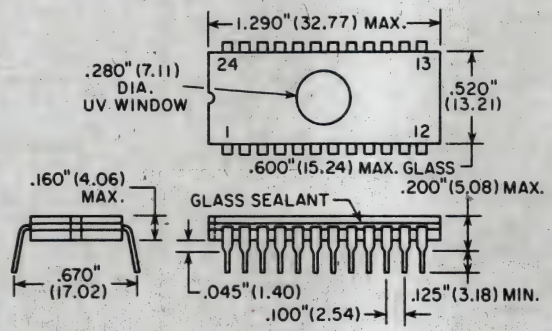


Fig. D17 — 28-Pin DIP

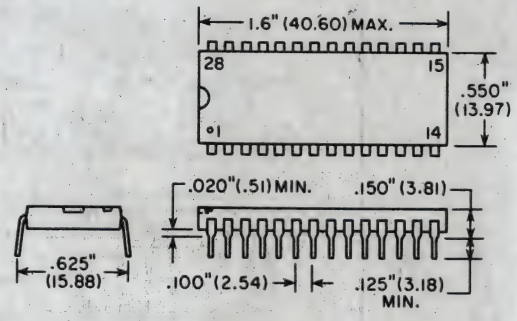


Fig. D18 — 28-Pin DIP

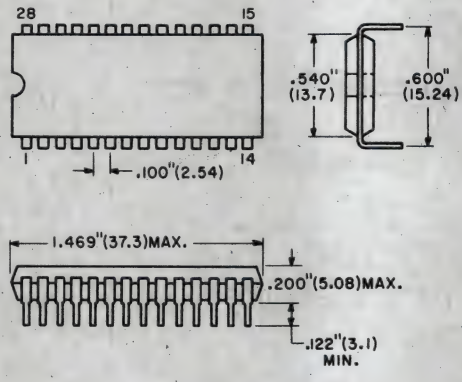


Fig. D18-1 — 28-Pin DIP

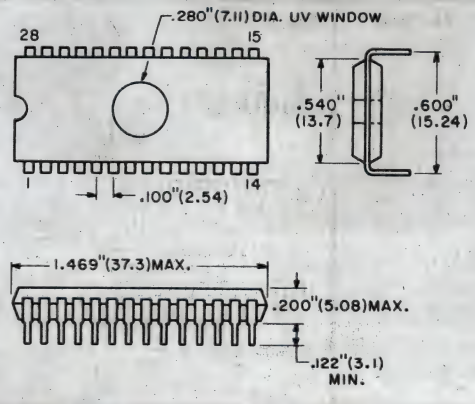
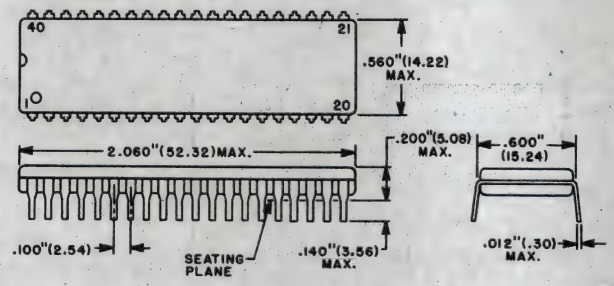


Fig. D19 — 40-Pin DIP



Dual inline plastic cases may have a round indentation on top surface for indexing in place of notched edge.

Accessories

Antistatic Conductive Foam

		Fig. No.
A-Stat™2	3" x 5" x 1/4" (2/Pkg)	AF1
A-Stat™12	12" x 12" x 1/4"	AF2

Hardware

		Fig. No.
ECG426	Metric Hardware Kit of 3mm, Nuts, Bolts, etc.	---
ECG432	Thread Converter, 3/8"-24 to 1/2"-20, for Stud Type Packages	AW1
ECG433	HV Splice for CRT Anode Leads, 40 kV Insulation, Does Require Soldering. (Requires no additional insulators or tape.)	AW2
ECG447A	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447B	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447C	Heat Sink Clamp Assembly for ECG446C	AH22
ECG449	Mounting Clip for TO-220 Case Style	AW3
ECG449A	Mounting Clip for TO-126 and SOT-82 Case Styles	AW3-1

Heat Sinks and Mounting Clamps

		Fig. No.
ECG400	Heat Sink for TO-5 Style Package (2/Pkg)	AH6
ECG401	Heat Sink for TO-5 Style Package (2/Pkg)	AH7
ECG402	Heat Sink for Plastic Power Packages (2/Pkg)	AH12
ECG403	Heat Sink for Plastic Power Packages (2/Pkg)	AH11
ECG404	Heat Sink Kit for TO-66 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts	AH9
ECG405	Heat Sink Kit for TO-3 Style Package - Includes Base, Top Piece, 2 - 6/32 Screws and Nuts	AH10
ECG406	Heat Sink for TO-202 Style Package (2/Pkg)	AH2
ECG411	Stud-Mount Heat Sink for TO-5 and TO-39 Style Package (2/Pkg)	AH4
ECG412	Heat Sink for TO-18 Style Package (2/Pkg)	AH5
ECG427	Heat Sink Kit for TO-5 and TO-39 Style Package - Includes Heat Sink, 2 Bushings, 1 Mica	AH1
ECG440A	Heat Sink, Undrilled Mounting Surface	AH13
ECG440B	Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5	AH13
ECG440C	Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4	AH13
ECG440D	Heat Sink, Undrilled Mounting Surface	AH13-1
ECG441A	Heat Sink, Drilled for a Solid State Relay and 1 and 2 Thyristor Mod, Bridge Rectifier	AH14
ECG441B	Heat Sink, Undrilled Mounting Surface	AH14
ECG442A	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH15
ECG442B	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH15-1
ECG442C	Heat Sink, Undrilled Mounting Surface, for PCB Mounting	AH16
ECG443	Heat Sink, Undrilled Mounting Surface, for PCB Mounting (TO-3, TO-36, TO-66)	AH17
ECG444	Heat Sink, Undrilled Mounting Surface, for Stud Mounted Devices	AH18
ECG445	Heat Sink TO-92 Style (2/Pkg)	AH8
ECG446A	Heat Sink for 1.65" Dia. and 2.29" Dia. Hockey Puck Packages, 2 Required	AH19
ECG446C	Heat Sink for 2.90" Dia. Hockey Puck Packages, 2 Required	AH20
ECG447A	Heat Sink Clamp Assembly for ECG446A	AF21
ECG447B	Heat Sink Clamp Assembly for ECG446A	AH21
ECG447C	Heat Sink Clamp Assembly for ECG446C	AH22
ECG448B	Heat Sink for 14/16-Pin DIP (2/Pkg)	AH23
ECG448E	Heat Sink for 24-Pin DIP (2/Pkg)	AH24
ECG448G	Heat Sink for 40-Pin DIP (2/Pkg)	AH25
ECG449	Mounting Clip for TO-220 Case Style (2/Pkg)	AW3
ECG449A	Mounting Clip for TO-126 and SOT-82 Case Styles	AW3-1
ECG450A	Heat Sink for 14 or 16-Pin DIP	AH26

Semiconductor Insulators and Kits (Kit Includes Mica Insulator and Nylon Bushings)

ECG413	Insulator Kit for TO-3 Style Package
ECG414	Insulator Kit for TO-36 Style Package with Flat Washer, Shaker Proof Lug, Nut and Plastic Insulating Tube
ECG415	Insulator Kit for TO-66 Style Package
ECG422	Insulator Kit for TO-220 Style Package
ECG425A-H, J-L	Thermal Conductive Insulators for TO-3, TO-66, TO-126, TO-220, TO-36, TO-3P, TIP-36, DO-4, and DO-5
ECG438	Insulator Kit for DO-4 and TO-64. Contents are: DO4 MICA; DO4 Shoulder Bushing; #10 Flat Washer; #10 Lock Washer*; #10 Solder Lug; 10-32 Hex Nut
ECG439	Insulator Kit for DO-5 and TO-48. Contents are: DO5 MICA; DO5 Shoulder Bushing; 1/4" Flat Washer; 1/4" Lock Washer*; 1/4" Solder Lug; 1/4-28 Hex Nut

Semiconductor Sockets

		Fig. No.
ECG201	Connector for Cartridge LED/Lamp Indicator (2/Pkg)	AS8
ECG209	Standard Socket for TO-3 Package (2/Pkg)	AS9
ECG407	8-Pin Can, IC Socket (2/Pkg)	AS6
ECG408	10-Pin Can, IC Socket (2/Pkg)	AS7
ECG409	14-Pin DIP, IC Socket (2/Pkg)	AS14
ECG416	16-Pin DIP, IC Socket (2/Pkg)	AS15
ECG417	3-Pin Transistor Socket for TO-18 Package (2/Pkg)	AS2
ECG419	3-Pin Transistor Socket for TO-5, TO-39 Package (2/Pkg)	AS3
ECG421	Standard Socket for TO-66 Package (2/Pkg)	AS10
ECG423	8-Pin DIP, IC Socket (2/Pkg)	AS13
ECG428	24-Pin DIP, IC Socket (2/Pkg)	AS19
ECG429	28-Pin DIP, IC Socket (2/Pkg)	AS20
ECG430	40-Pin DIP, IC Socket (1/Pkg)	AS21
ECG431	Japanese Style Socket for TC-9 Package (2/Pkg)	AS11
ECG435K28	28-Pin DIP, IC Socket, .070" Centers (2/Pkg)	AS35
ECG435K30	30-Pin DIP, IC Socket, .070" Centers (2/Pkg)	AS36
ECG435K42	42-Pin DIP, IC Socket, .070" Centers (1/Pkg)	AS37
ECG435K52	52-Pin DIP, IC Socket, .070" Centers (1/Pkg)	AS39
ECG435K64	64-Pin DIP, IC Socket, .070" Centers (1/Pkg)	AS38
ECG435P6	6-Pin DIP, IC Socket (2/Pkg)	AS12
ECG435P18	18-Pin DIP, IC Socket (2/Pkg)	AS16
ECG435P20	20-Pin DIP, IC Socket (2/Pkg)	AS17
ECG435P22	22-Pin DIP, IC Socket (2/Pkg)	AS18
ECG435P42	42-Pin DIP, IC Socket (1/Pkg)	AS40
ECG435Q14	14-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)	AS22
ECG435Q16	16-Pin DIP, IC Socket for PC Board with Staggered Holes (2/Pkg)	AS23
ECG436W8	8-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS24
ECG436W14	14-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS25
ECG436W16	16-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS26
ECG436W18	18-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS27
ECG436W20	20-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS28
ECG436W22	22-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS29

* Alternate: Solder Lug with Internal Lock

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Accessories (cont'd)

Semiconductor Sockets (cont'd)

		Fig. No.
ECG436W24	24-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS30
ECG436W28	28-Pin DIP, IC Socket, Wire Wrap Leads (2/Pkg)	AS31
ECG436W40	40-Pin DIP, IC Socket, Wire Wrap Leads (1/Pkg)	AS32
ECG437X18	Crystal Socket for HC-18 Case with .017" Diameter Cut Leads	AS33
ECG437X33	Crystal Socket for HC-33 Case with .030" Diameter Cut Leads	AS34
ECG600L68	68-Pin, PLCC Socket (1/Pkg)	AS41

Thermal Compound and Adhesive/Sealant

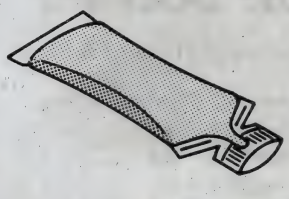
		Fig. No.
ECG303	Single Application Heat Sink Compound, 1 gram (5/Pkg)	AC1
ECG424	Heat Sink Compound, 1-oz., in Plunger Tube	AC2
ECG434	Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube	AC3

Accessory Outlines

Accessories

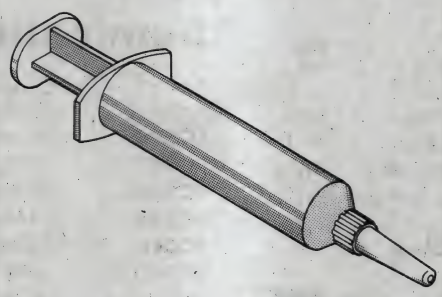
ECG303 Fig. AC1

Single Application, Non-Silicone Heat Sink Compound, 1 gram (Zinc Oxide Filler)



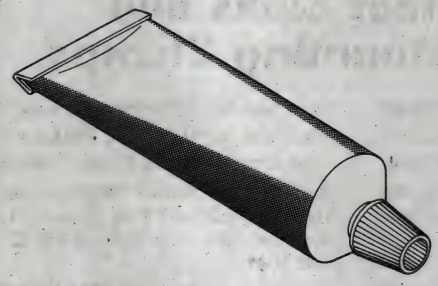
ECG424 Fig. AC2

Non-Silicone Heat Sink Compound, 1-oz., in Plunger Tube (Zinc Oxide Filler)



ECG434 Fig. AC3

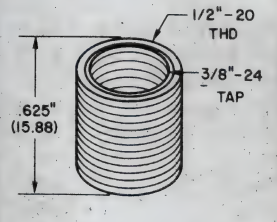
Non-Corrosive Adhesive/Sealant, 2-oz., Squeeze Tube



Hardware

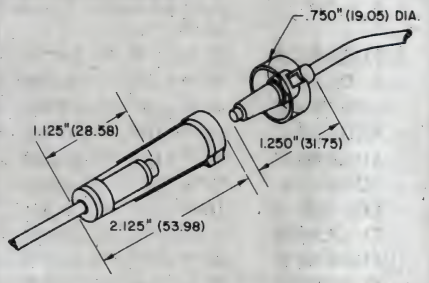
ECG432 Fig. AW1

Thread Converter for Stud Type Packages



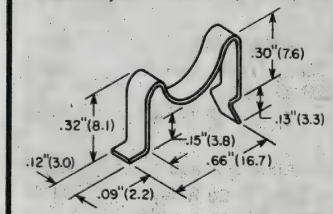
ECG433 Fig. AW2

HV Splice for CRT Anode Leads (40 kV Insulated)



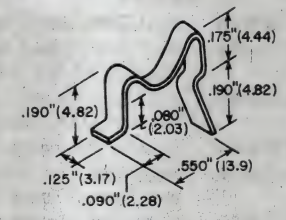
ECG449 Fig. AW3

Mounting Clip for TO-220 Case Style



ECG449A Fig. AW3-1

Mounting Clip for TO-126 and SOT-82 Case Styles



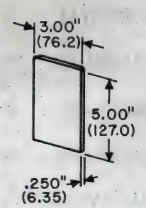
Foam

A-STAT™ 2 Fig. AF1

Antistatic Conductive Foam for Storage of Static Sensitive Semiconductors —
- Carbon Impregnated
- High Density
- Non-Corrosive

Surface Resistivity = 5 Ohms per Sq. Foot
Static Decay = 3 μsec to less than 1 V
Dimensions = 3" x 5" x 1/4"
2 Pieces Per Package

TM - A-STAT is a trademark of Philips ECG

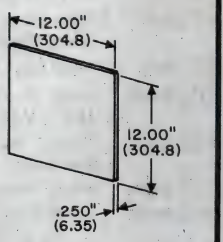


A-STAT™ 12 Fig. AF2

Antistatic Conductive Foam for Storage of Static Sensitive Semiconductors —
- Carbon Impregnated
- High Density
- Non-Corrosive

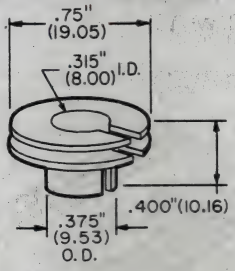
Surface Resistivity = 5 Ohms per Sq. Foot
Static Decay = 3 μsec to less than 1 V
Dimensions = 12" x 12" x 1/4"

TM - A-STAT is a trademark of Philips ECG

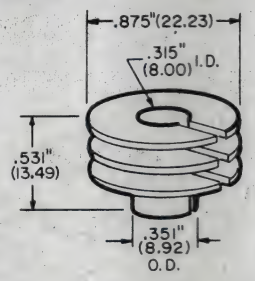


Accessory Outlines (cont'd)
Heat Sinks

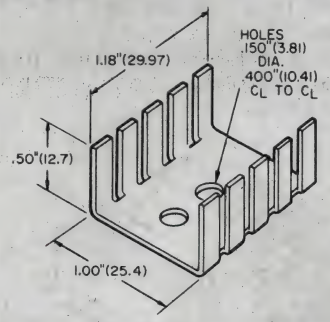
ECG400 Fig. AH6
Heat Sink for TO-5 Style, Rθ=46°C/W



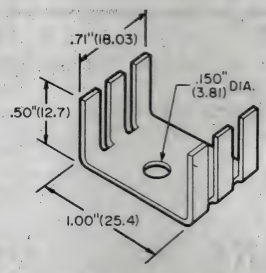
ECG401 Fig. AH7
Heat Sink Kit for TO-5 Style, Rθ=35°C/W



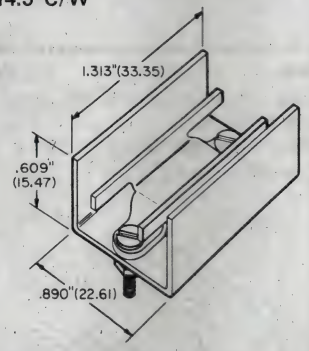
ECG402 Fig. AH12
Heat Sink for Plastic Power Transistor (TO-220, TO-202, TO-126, TO-127), Rθ=17°C/W



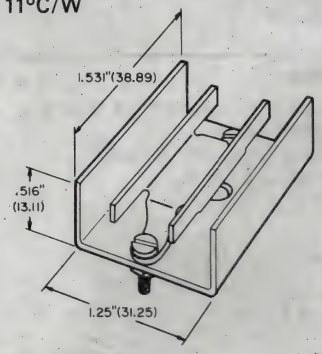
ECG403 Fig. AH11
Heat Sink for Plastic Power Transistors (TO-220, TO-202, TO-126, TO-127), Rθ=20°C/W



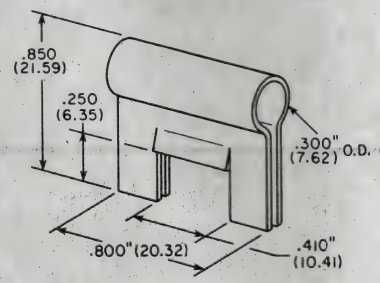
ECG404 Fig. AH9
Heat Sink Kit for TO-66 Style (Base, Top Piece, 2-6/32 Screws and Nuts), Rθ=14.5°C/W



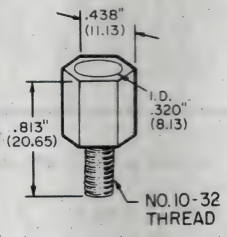
ECG405 Fig. AH10
Heat Sink Kit for TO-3 Style (Base, Top Piece, 2-6/32 Screws and Nuts), Rθ=11°C/W



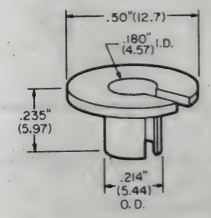
ECG406 Fig. AH2
Heat Sink for TO-202 Style, Rθ=25°C/W



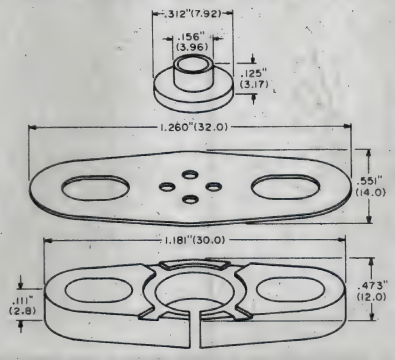
ECG411 Fig. AH4
Stud Mount Heat Sink for TO-5 and TO-39 Style



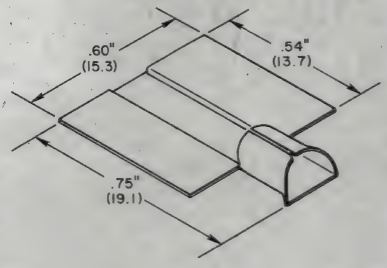
ECG412 Fig. AH5
Heat Sink for TO-18 and TO-92 Style, Rθ=92°C/W



ECG427 Fig. AH1
Heat Sink Kit for TO-5 and TO-39 Style (Heat Sink, 2 Bushings, 1 Mica)



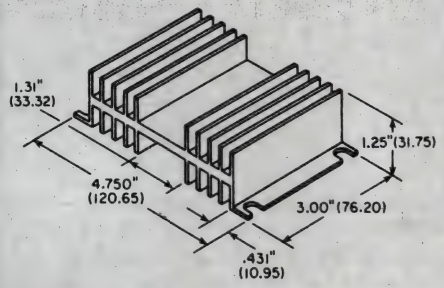
ECG445 Fig. AH8
Heat Sink for TO-92 Style, Rθ=80°C/W



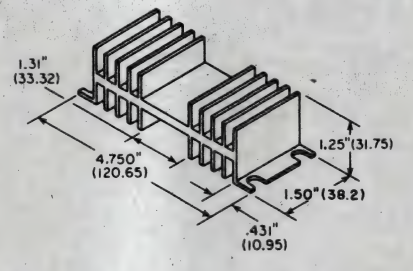
Q

Accessory Outlines (cont'd)
Heat Sinks (cont'd)

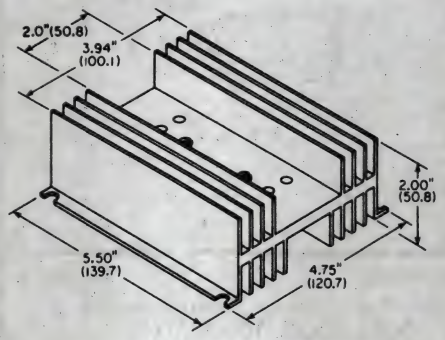
ECG440A Fig. AH13
Heat Sink, Undrilled Mounting Surface
ECG440B
Heat Sink, Drilled for TO-3, TO-48, TO-66, TO-126, TO-127, TO-220, DO-5
ECG440C
Heat Sink, Drilled for TO-3, TO-15, TO-6, TO-36, TO-64, DO-4
$R\theta = 1.8°C/W$



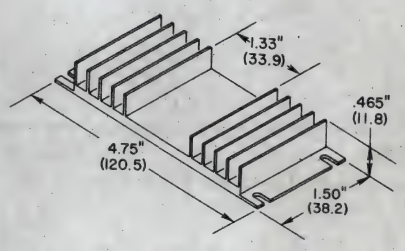
ECG440D Fig. AH13-1
Heat Sink, Undrilled Mounting Surface,
$R\theta = 2.5°C/W$



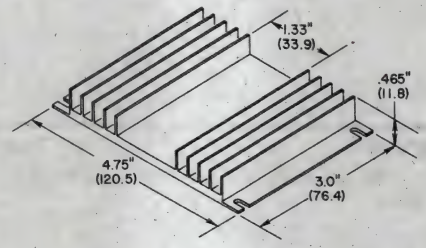
ECG441A Fig. AH14
Heat Sink, Drilled for a Solid State Relay and 1 or 2 Thyristor Mod, Bridge Rectifier
ECG441B
Heat Sink, Undrilled Mounting Surface,
$R\theta = 1.0°C/W$



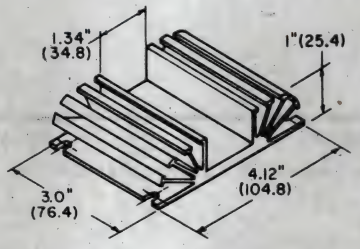
ECG442A Fig. AH15
Heat Sink, Undrilled for PCB Mounting,
$R\theta = 4.5°C/W$
Mounting Slots .093"R (2.42)
1.00" (25.4) C_L to C_L



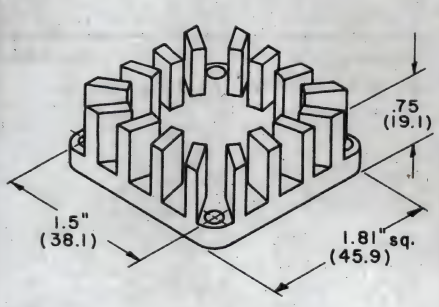
ECG442B Fig. AH15-1
Heat Sink, Undrilled for PCB Mounting,
$R\theta = 3.5°C/W$
Mounting Slots .093"R (2.42)
2.50" (63.5) C_L to C_L



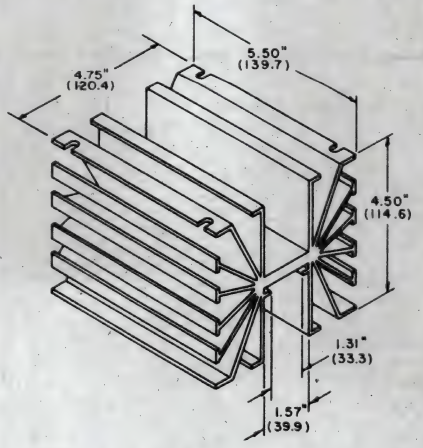
ECG442C Fig. AH16
Heat Sink, Undrilled for PCB Mounting,
$R\theta = 2°C/W$
Mounting Slots .095"R (2.42)
2.50" (63.5) C_L to C_L



ECG443 Fig. AH17
Heat Sink, Undrilled for PCB Mounting,
$R\theta = 6.25°C/W$
Mounting Holes, .15"R (3.8)
1.5" (38.1) C_L to C_L



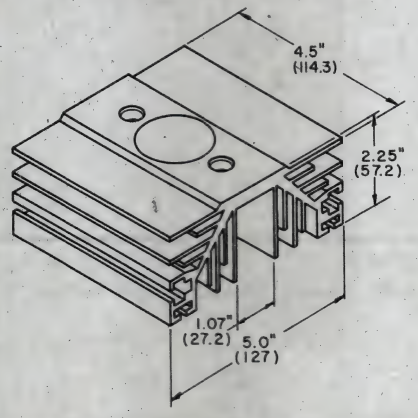
ECG444 Fig. AH18
Heat Sink, Undrilled for Stud Mounted Devices, $R\theta = .55°C/W$
Mounting Slots .14"R (3.5)
4.52" (114.3) C_L to C_L



Accessory Outlines (cont'd)
Heat Sinks (cont'd)

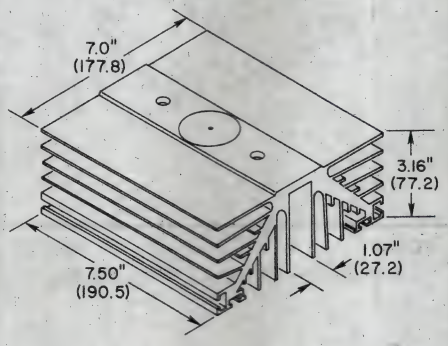
ECG446A Fig. AH19

Heat Sink for 1.65" Dia. and 2.29" Dia. Hockey Puck Packages, $R\theta = .5°C/W$,
Package Mount .128 (3.25) Dia.
Thru Chamfer 1.87 (4.75) Dia.,
.031 (.762) Deep
Mounting Clamp Holes .437" (11.07) Dia.
2.75" (69.8) C_L to C_L



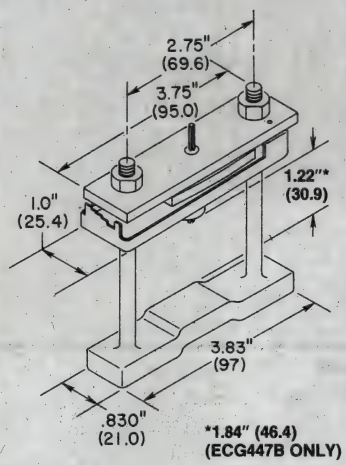
ECG446C Fig. AH20

Heat Sink for 2.90" Dia. Hockey Puck Packages, $R\theta = .24°C/W$
Package Mount .128 (3.25) Dia.
Thru Chamfer 1.87 (47.5) Dia.,
.031 (.762) Deep
Mounting Clamp Holes .437" (11.07) Dia.
4.0" (101.6) C_L to C_L



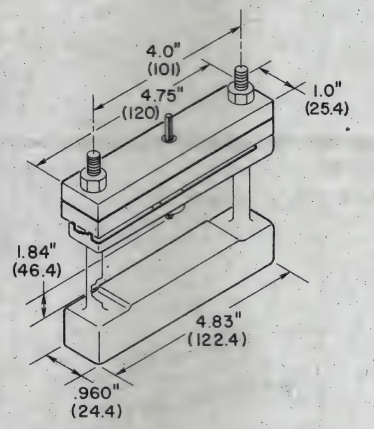
ECG447A, ECG447B* Fig. AH21

Heat Sink Clamp Assembly for ECG446A



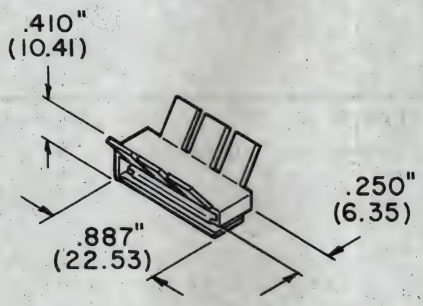
ECG447C Fig. AH22

Heat Sink Clamp Assembly for ECG446C



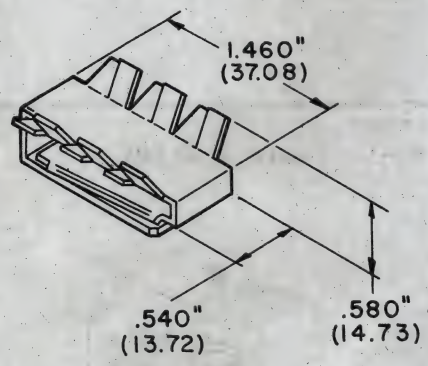
ECG448B Fig. AH23

Heat Sink for 14/16-Pin DIP, $R\theta = 20°C/W$



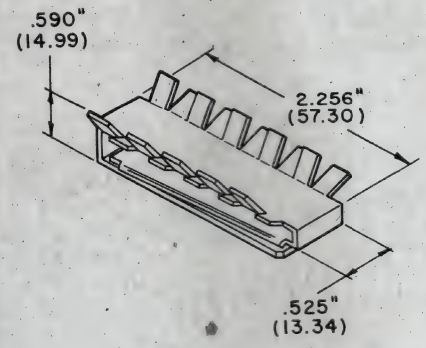
ECG448E Fig. AH24

Heat Sink for 24-Pin DIP, $R\theta = 20°C/W$



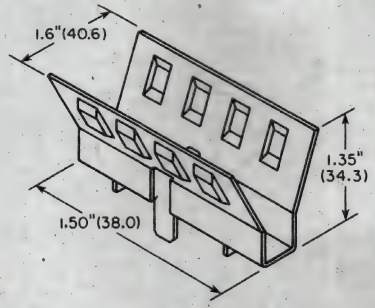
ECG448G Fig. AH25

Heat Sink for 40-Pin DIP, $R\theta = 18°C/W$



ECG450A Fig. AH26

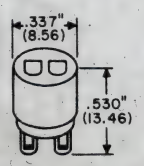
Heat Sink for:
ECG740A
ECG804
ECG810A
ECG862
ECG990
$R\theta = 14°C/W$



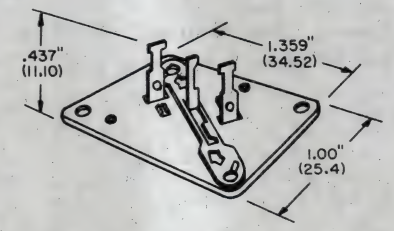
Q

Accessory Outlines (cont'd)
Sockets

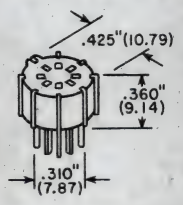
ECG201 Fig. AS8
Connector for Cartridge LED/Lamp Indicator



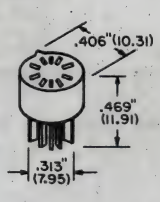
ECG209 Fig. AS9
Standard Socket for TO-3 Package



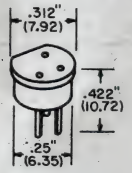
ECG407 Fig. AS6
8-Pin Can, IC Socket



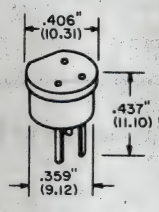
ECG408 Fig. AS7
10-Pin Can, IC Socket



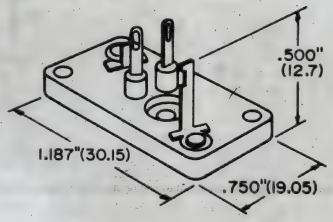
ECG417 Fig. AS2
3-Pin Transistor Socket for TO-18 Package



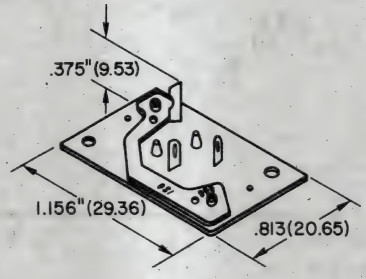
ECG419 Fig. AS3
3-Pin Transistor Socket for TO-5 Package



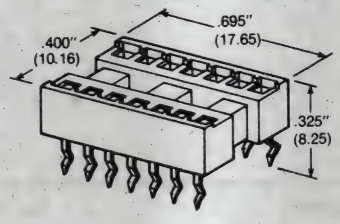
ECG421 Fig. AS10
Standard Socket for TO-66 Package



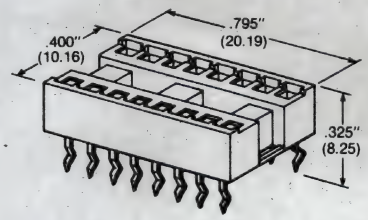
ECG431 Fig. AS11
Japanese Style TC-9 Socket



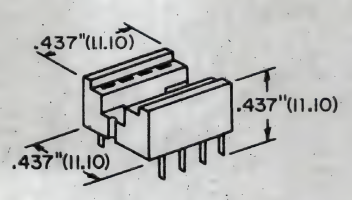
ECG409 Fig. AS14
14-Pin DIP, IC Socket



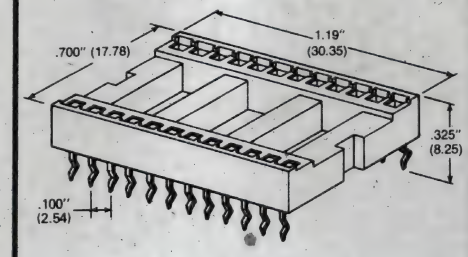
ECG416 Fig. AS15
16-Pin DIP, IC Socket



ECG423 Fig. AS13
8-Pin DIP, IC Socket

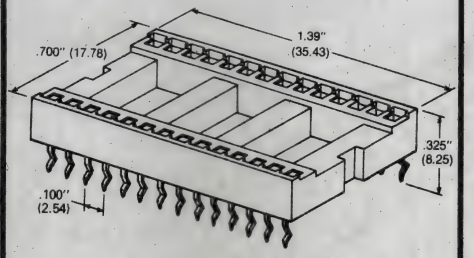


ECG428 Fig. AS19
24-Pin DIP, IC Socket, .100" Centers

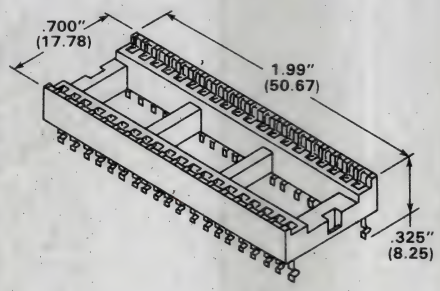


Accessory Outlines (cont'd)
Sockets (cont'd)

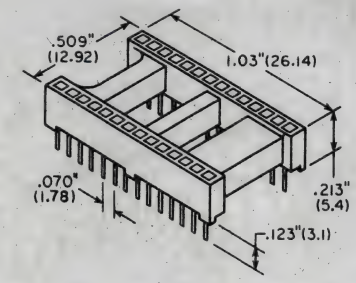
ECG429 Fig. AS20
28-Pin DIP, IC Socket, .100" Centers



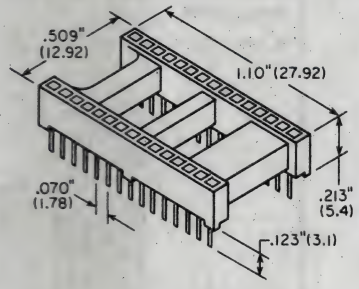
ECG430 Fig. AS21
40-Pin DIP, IC Socket, .100" Centers



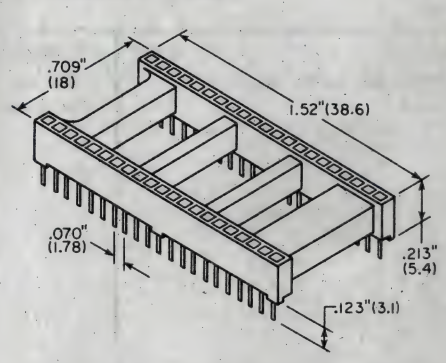
ECG435K28 Fig. AS35
28-Pin DIP, IC Socket, .070" Centers



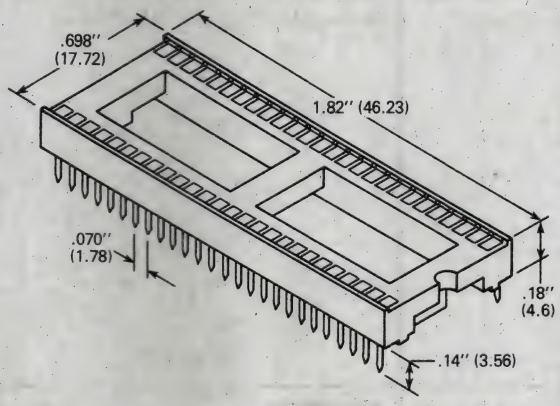
ECG435K30 Fig. AS36
30-Pin DIP, IC Socket, .070" Centers



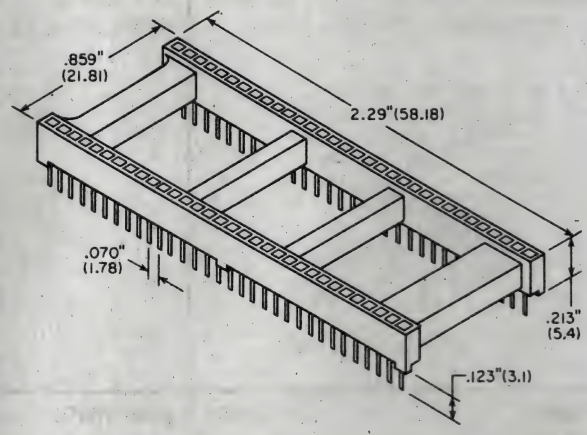
ECG435K42 Fig. AS37
42-Pin DIP, IC Socket, .070" Centers



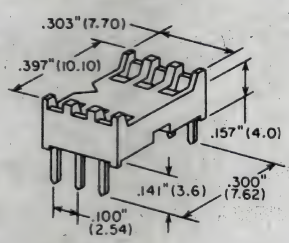
ECG435K52 Fig. AS39
52-Pin DIP, IC Socket, .070" Centers



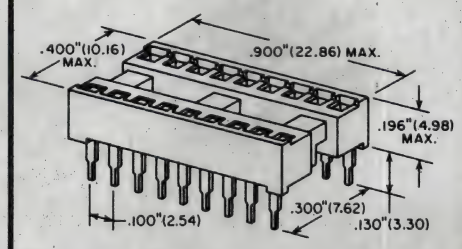
ECG435K64 Fig. AS38
64-Pin DIP, IC Socket, .070" Centers



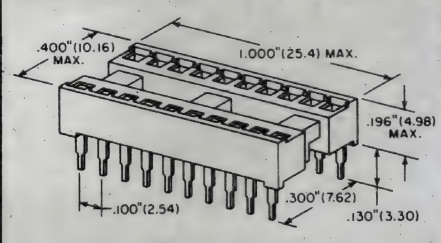
ECG435P6 Fig. AS12
6-Pin DIP, IC Socket



ECG435P18 Fig. AS16
18-Pin DIP, IC Socket



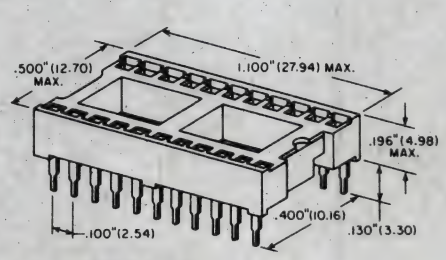
ECG435P20 Fig. AS17
20-Pin DIP, IC Socket



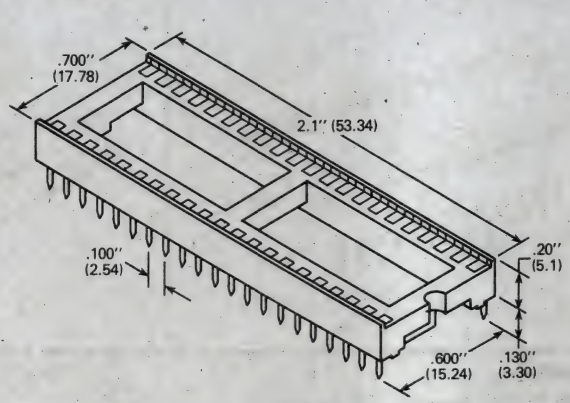
Q

Accessory Outlines (cont'd)
Sockets (cont'd)

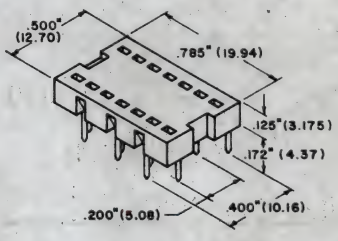
ECG435P22 Fig. AS18
22-Pin DIP, IC Socket



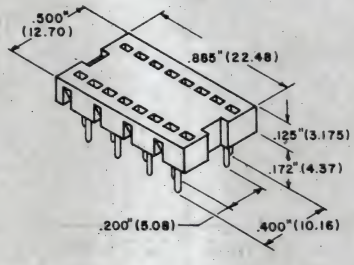
ECG435P42 Fig. AS40
42-Pin DIP, IC Socket



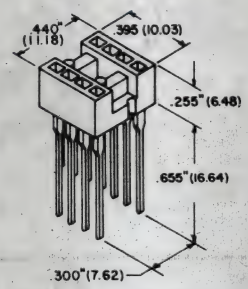
ECG435Q14 Fig. AS22
14-Pin DIP, IC Socket for PC Board with Staggered Holes



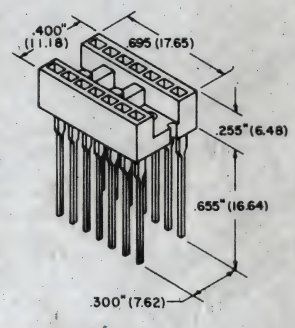
ECG435Q16 Fig. AS23
16-Pin DIP, IC Socket for PC Board with Staggered Holes



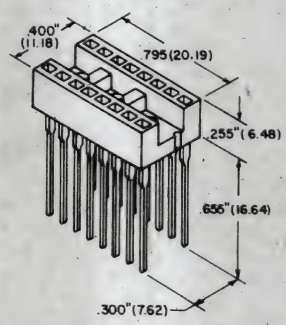
ECG436W8 Fig. AS24
8-Pin DIP, IC Socket, Wire Wrap Leads



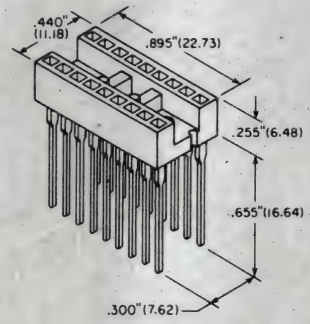
ECG436W14 Fig. AS25
14-Pin DIP, IC Socket, Wire Wrap Leads



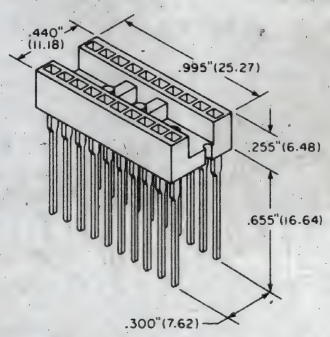
ECG436W16 Fig. AS26
16-Pin DIP, IC Socket, Wire Wrap Leads



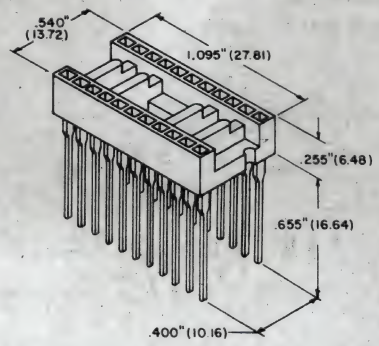
ECG436W18 Fig. AS27
18-Pin DIP, IC Socket, Wire Leads



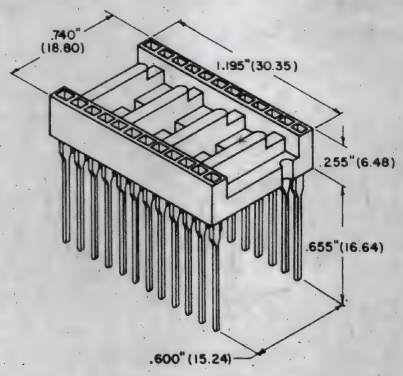
ECG436W20 Fig. AS28
20-Pin DIP, IC Socket, Wire Wrap Leads



ECG436W22 Fig. AS29
22-Pin DIP, IC Socket, Wire Wrap Leads



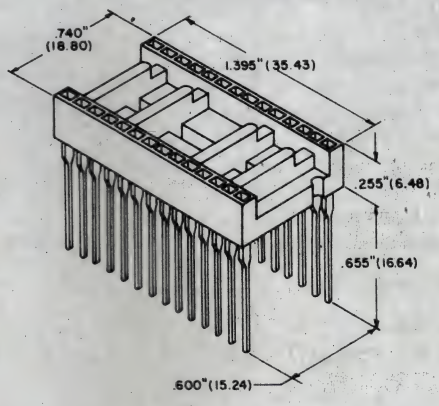
ECG436W24 Fig. AS30
24-Pin DIP, IC Socket, Wire Wrap Leads



Accessory Outlines (cont'd)
Sockets (cont'd)

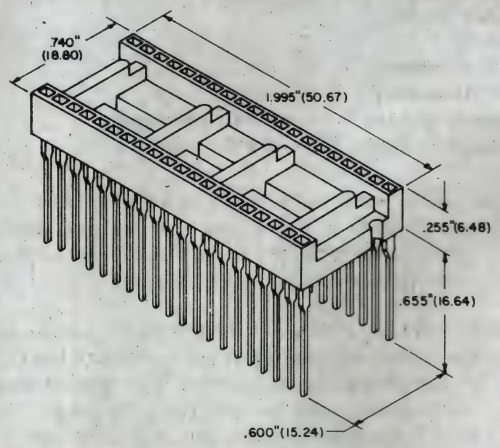
ECG436W28 Fig. AS31

28-Pin DIP, IC Socket, Wire Wrap Leads



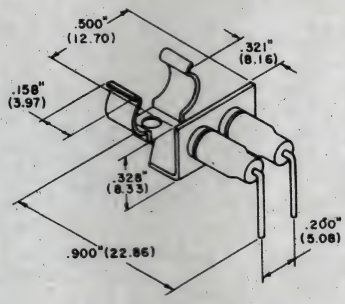
ECG436W40 Fig. AS32

40-Pin DIP, IC Socket, Wire Wrap Leads



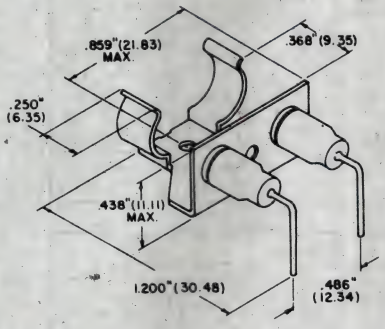
ECG437X18 Fig. AS33

Crystal Socket for HC-18 Case with .017" Diameter Cut Leads



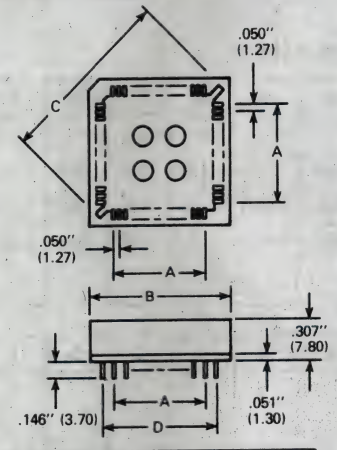
ECG437X33 Fig. AS34

Crystal Socket for HC-33 Case with .030" Diameter Cut Leads



ECG600L68 Fig. AS41

68-Pin PLCC Socket



Contacts	A	B
68	0.800 (20.32)	1.264 (32.10)

Contacts	C	D
68	1.563 (39.70)	1.000 (25.40)

Thermal Conductive Insulators

- **Thermal Grease or Mica Wafer Not Required**
- **Thermally Stable**
- **Non-Toxic**
- **Flame Retardant**
- **Solvent Resistant**
- **Withstands Solder Process Temperatures**
- **Mounting Pressure: 300-600 PSI Typ**

ECG thermal conductive insulators are made of a silicone rubber and fiberglass composite which is non-toxic and will resist cleaning agents. These flame retardant insulators are primarily used to electrically isolate power sources from heatsinks.

The surfaces of the ECG425 series insulators are pliable and allow complete surface contact to insure maximum heat conduction. They will not chip or fracture under high compressive stress and their thermal resistance improves the longer they are used. The ECG425 insulators have excellent cut-through resistance and contain no organic materials which will support fungal growth.

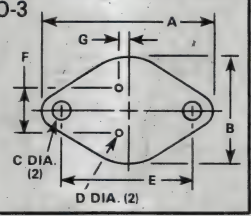
Characteristics (.009" Thickness)

Breaking Strength	100 Lbs./In.
Elongation	4%
Volume Resistance	
Normal	1.0×10^{13} Ω/Meter Min.
Moist	1.5×10^{10} Ω/Meter Min.
Breakdown Voltage	
Normal	5000 V Min.
Moist	2500 V Min.
Dielectric Constant (K)	5.5
Continuous Use Temperature	−60 to +180°C
Thermal Conductivity	$0.7 \frac{W}{m\text{-}k}$
Specific Gravity	2.0-2.1
Thermal Resistance (TO-3)	0.50°C/Watt

Dimensions

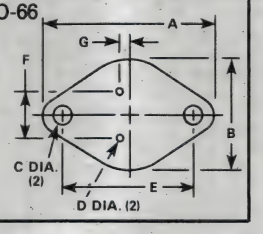
Type	A	B	C	D	E	F	G
ECG425A	1.650	1.140	.140	.093	1.187	.430	.072
ECG425B	1.650	1.140	.165	.062	1.187	.430	.072
ECG425C	1.650	1.140	.140	.046	1.187	.430	.072

TO-3

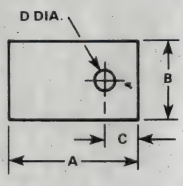


Type	A	B	C	D	E	F	G
ECG425D	1.312	.762	.140	.062	.960	.200	.100

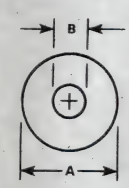
TO-66



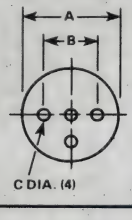
Type	A	B	C	D	Style
ECG425E	.750	.500	.187	.147	TO-220
ECG425F	.437	.312	.140	.093	TO-126



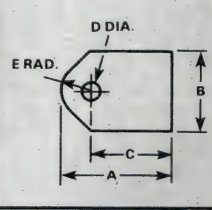
Type	A	B	Style
ECG425G	.510	.200	DO-4
ECG425H	.800	.260	DO-5



Type	A	B	C	D	Style
ECG425J	1.063	.690	.190	.190	TO-36



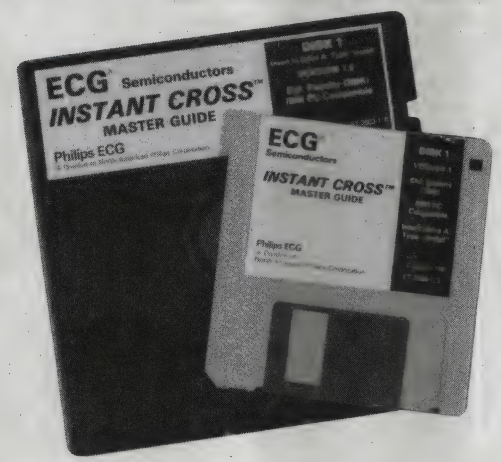
Type	A	B	C	D	E	Style
ECG425K	.865	.650	.650	.140	.205	TIP-36
ECG425L	1.260	.787	.984	.142	.205	TO-3P



Note: All dimensions are in inches.

Cross Reference

Industry's Largest Semiconductor Cross Reference *Now* on Disks!



New *INSTANT CROSS™* software gives ECG® replacement, description, case style, special notes instantly. Now over 275,00 industry part numbers and 4,000 ECG semiconductor products. For IBM-PCs and compatibles with MS-DOS, 640K RAM, hard drive and disk drive. At your local Philips ECG distributor.

R

Cross Reference Section — Special Notes

@ Same number is used for two different parts - check schematic or original part.

When replacing this part it is necessary to use the insulating hardware supplied.

◆ May not be an exact mechanical or electrical equivalent. However, it will provide an acceptable substitute in the majority of typical applications.

\+ The device being replaced has internal MOV transient protection. When using the ECG replacement, connect the recommended ECG MOV across output terminals 1 and 2 of the relay.

§ Type is obsolete and no longer available from Philips ECG. Cross reference is retained for information only.

‡ Original part had metric threads.

* **ECG539**

When replacing part numbers 530165-12, MH1011B01 and MH1031C01 with ECG539 cut "G" lead at surface of failed multiplier. Strip and connect to "G" terminal of replacement.

* **ECG779A**

Use of the ECG779A may require modification of external circuitry - see data packed with device.

* **ECG995 & ECG995M**

When replacing CS2907 or LM2907 a 470-ohm resistor must be added between the IC's V_{CC} and the actual supply voltage.

* **ECG1081A**

Following modifications are required in order to replace UPC563H by ECG1081A:

1. Remove 680-ohm resistor on pin #3 and #4 as well as SD46 or 1S953 diode.
2. Remove 10 K-ohm resistor on pin #9.
3. Change 220 pF capacitor between pin #4 and pin #5 to 47 pF to get same frequency response.
4. Ground heat sink fin.

The ECG1081A is a direct replacement for the UPC563H2 by grounding the heat sink fin.

* **ECG1086**

When replacing type UPC49C with ECG1086 pin #7 should be connected to nearest ground through a 3.3 K-ohm, 1/2 watt resistor.

* **ECG1089**

Devices marked ECG1089-3, when used to replace a UPC29C, may require the addition of a .01 μF capacitor between pins #13 and #17 for optimum performance.

* **ECG1091**

When using ECG1091 to replace UPC48C, ground pin #15 through a 5.6 K-ohm, 1/2 watt resistor.

* **ECG1140**

The ECG1140 is an improved replacement for type UPC575C. The following circuit changes must be made for proper operation.

1. Remove any resistor between pins #5 and #8 (typically this will be 22,000 ohms).
2. Remove any resistor between pin #8 and ground (typically this will be 8200 ohms).
3. By-pass pin #8 directly to ground through a 47 μF capacitor.

Note: No circuit modifications are necessary to replace type UPC575C2 with ECG1140.

* **ECG1640/MN3001**

When replacing ECG1640 or MN3001 with ECG1642, cut all circuit trace connections to pin #1. Solder a jumper between pin #1 and pin #7.

* **ECG1823**

When used to replace STK5481 or Zenith 905-1224 solder a jumper between pin #1 and pin #8.

* **13-17-6**

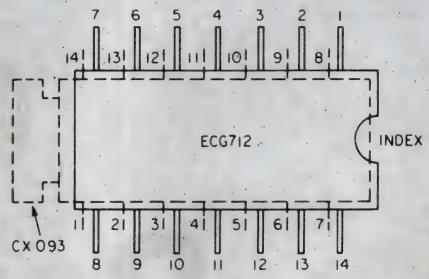
Use ECG123A plus 15 K-ohm resistor base to ground.

* **15-43251-1**

The Sylvania Integrated Circuit part number 15-43251-1 can be replaced with the ECG747. When installing the ECG747, a 470-ohm resistor should be connected in parallel with the existing 470-ohm resistor, between pins #5 and #6. This is to maintain the proper DC level at the output on pin #4 when measured with no signal output.

* **CX093**

When replacing CX093 with ECG712 insert as shown in diagram. No heatsinking is required. (ECG712 index is opposite of original part.)



* **HA11441**

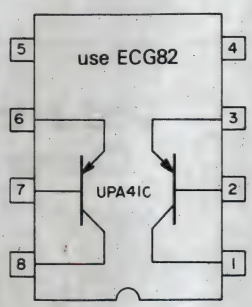
When replacing HA11441 with ECG1471, Pin #16 is to be grounded.

* **TBA810S-H**

When replacing TBA810S-H with ECG1115A connect 100-ohm, 1/4 watt resistor between pins #1 and #4.

* **UPA41C**

When replacing UPA41C, use ECG82 as illustrated below.



* **UPC1154H**

When replacing UPC1154H with ECG1194 the resistor connected to pin #5 must be eliminated and replaced by a jumper wire to prevent a loss in gain.

To Be Replaced	ECG Replacement
0000000FR2	116
0000000FRI	116
0000000MV4	600
0000000S15	552
0000000SD1	116
0000001N60	110A
00000010D1	552
000000DS17	116(2)
000000DS18	116(2)
000000DS38	116
000000SD1A	506
000000SD1AB	116
000000SD1AB‡(Boost)	506
000000SD1Y	116
000000SD46	109
000000SV31	158
000000SZT8	138A
000001S188	110A
000001S330	135A
000001S331	5070A
000001S334	139A
000001S990	177
000002SB22	102A
0000010DC1	116
00000DS13	199
00000DS18	116
00000DS131	116
00000DS410	177
00000FR202	116
00000MZ206	136A
00000S1B01	116
00000WZ090	139A
0000-00011-046	177
0000-00011-049	123A
0000-00011-050	184
0000-00011-053	220
0000-00011-054	312
0000-00011-055	312
0000-0070	187A
0000-0071	187A
0000-0100	290A
0000-0140	290A
0000-0141	290A
0000-0150	290A
0000-0300	290A
00001N60	110A
00001S188	110A
00001S188AM	110A
00001S334	139A
00001S446D	109
00001S1210	177
00001S1555	177
00001S1849	116(2)
00001S1849R	116(2)
00001S2078	177
00001S4460	109
00002S606	107
00002SA101	126A
00002SA202	102A
00002SA550	151A
00002SA609	159
00002SB22	102A
00002SB185	102A
00002SB185-0	102A
00002SB186	102A
00002SB186-0	102A
00002SB187	102A
00002SB303	102A
00002SB303-0	102A
00002SB405	158
00002SB435	153
00002SB460	107
00002SB474	226
00002SB481	131MP
00002SB492	176
00002SC373	123A
00002SC460	107
00002SC460A	108
00002SC460B	108
00002SC460C	108
00002SC461	108
00002SC492	176
00002SC535	107
00002SC536	199
00002SC537	123A
00002SC606	108
00002SC609	195A
00002SC644	199
00002SC668	108
00002SC735	123A
00002SC772	107
00002SC828	123A
00002SC829	107
00002SC838	123A
00002SC858	199
00002SC870	123A
00002SC870A	123A
00002SC870B	123A
00002SC870C	123A
00002SC929	199
00002SC930	199
00002SC945	289A
00002SC968	123
00002SD235	152
00002SD261	192§
00010DC1R	116(2)
000062	129
0000101	126A
0000102	126A
0000103	102A
0000104	102A
000071090	131
000071120	187
000071130	187A
000071131	187A
000071150	159
000071151	159
000072020	116
000072050	116
000072090	109
000072130	177
000072150	139A
000072160	109
000072180	5072A
000072190	139A
000073070	199
000073080	199
000073090	123A
000073100	123A
000073110	128
000073120	123A
000073130	123A
000073140	229
000073230	123A
000073231	123A
000073280	186
000073290	123A
000073300	192§
000073301	192§
000073302	192§
000073303	192§
000073305	192§
000073310	123A
000073320	186
000073332	123A
000073333	123A
000073350	199
000073351	199
000073360	199
000073361	199
000073373	199
000073374	199
000073380	186
000073381	186A
000073390	123A
000073391	123A
000074010	1006
000074020	1045
000074030	1142
0000DS410	177
0000DS410R	177
0000FR202	116
0000HA1306	1029
0000LA1201	1003
0000LA1201B	1003
0000LD3000	1015
0000SD1	109
0000SD46	109
0000WZ090	139A
000-04	123A
0001S49	116
0001S188	110A
0001S188AM	110A
0001S334	139A
0001S2144Z	177
0002G00010	3104
0002SB186-0	102A
0002SB187	102A
0002SB187(Red)	102A
0002SB303-0	102A
0002SB405	158
0002SB405R	158
0002SC373	123A
0002SC373W	199
0002SC458B	123A
0002SC458C	123A
0002SC531F	123A
0002SC537F	123A
0002SC644R	199
0002SC644S	199
0002SC668D	108
0002SC710B	123A
0002SC710C	123A
0002SC772C	107
0002SC828	123A
0002SC828H	123A
0002SC828Q	123A
0002SC930D	199
0002SC930E	199
0002SC945Q	199
0002SC968P	128
0002SC1023	107
0002SC1026	107
0002SC1026A	107
0002SC1026B	107
0002SC1026C	107
0002SC1032	107
0002SC1032A	107
0002SC1032B	107
0002SC1032C	107
0002SC1061	152
0002SC1061A	152
0002SC1061B	152
0002SC1061C	152
0002SC1317	123A
0002SC1383	128
0004-003500	116
000546-1	123A
000653	123A
000704	123A
0004201	102A
0004202	102A
0004203	131
000HA1306U	1029
000LA1201	1003
000LA1201B	1003
000LA3300	1005
000LA3301	1006
000LD1020A	1012
000RS1542	116
000SD-1AUF	177
000WG1010	177
00	199
00-004-893-148	6354
00-004-893-149	6034
00-004-997-444	6400B
00-004-997-904	5181A
00-004-999-888	159
001	6400B
001-0000-00	109
001-00	123A
001-0010-00	109
001-0020-00	110MP
001-0020-00(Germanium)	109
001-0020-00(Silicon)	177
001-0022-00	109
001-0036	720
001-0072-00	125
001-0077-00	116
001-0081	109
001-0081-00	5809
001-0082-00	5071A
001-0091	1140
001-0095-00	177
001-0095-02	519
001-0099-00	138A
001-0099-01	138A
001-0099-02	138A
001-02	159
001-03	159
001-04	159
001-028-000	909
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001-0112-00	519
001-0125-00	177
001-0127-00	140A
001-0130-00	613
001-0151-00	177
001-0151-01	177
001-0152-00	5072A
001-0153-00	116
001-0160-00	614
001-0161-00	5072A
001-0163-02	135A
001-0163-04	136A
001-0163-13	5072A
001-0163-15	139A
001-0176-00	614
001-0208-00	519
001-01101-0	101
001-01202-1	100
001-01203-1	100
001-01204-0	104
001-01205-0	104
001-01205-1	104
001-01206-0	102
001-01501-0	109
001-02010	158
001-02011	123
001-02020	123A
001-02101-0	123A
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001-02102-0	123A
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001-02104-0	123A
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001-02106-0	123A
001-02107-0	123A
001-02108-0	123A
001-02109-0	123A
001-02110-0	123A
001-02111-1	123A
001-02113-2	123A
001-02113-3	123A
001-02113-4	123A
001-02113-5	123A
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001-02116-0	124
001-02117-2	193
001-02119-0	128
001-02121-0	123A
001-02201-0	159
001-02303-0	135A
001-02303-3	137A
001-02303-4	145A
001-02405-0	116
001-02405-1	116
001-02405-2	116
001-02406-0	156
001-02406-1	156
001-02601-0	116
001-02603-0	116
001-011010	101
001-012010	102
001-012011	102
001-012020	100
001-012021	100
001-012030	100
001-012031	100
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001-012051	104
001-012052	104
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001-021011	289A
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001-021110	128
001-021111	128
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001-021221	225
001-021230	192A§
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001-021232	192A§
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001-021270	130
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001-021290	128
001-021300	154
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001-022114	159
001-023010	5174AK
001-023020	5182A
001-023021	5198A
001-023026	145A
001-023027	146A
001-023028	145A
001-023029	5074A
001-023030	135A
001-023031	5080A
001-023032	5079A
001-023033	137A
001-023034	145A
001-023035	140A
001-023036	5067A
001-023037	5069A
001-023038	5075A
001-023039	140A
001-023040	5141A
001-023041	5130A
001-023042	5121A
001-023045	5133A
001-023047	5129A
001-023060	135A
001-023061	5081A
001-024010	116
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001-024040	5986
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001-024051	116
001-024052	116
001-024060	5801
001-024061	5801
001-024070	5980
001-024080	289A
001-026010	177
001-026030	177
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001-026050	6402§
001-026060	519
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001-026100	3018
001-026110	116
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001-027020	326
001-027030	312
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001-044273-002	128
001-044274-002	291
001-044275-002	175
001-044276-002	384
001-044277-002	116
001-044672-001	102A
001-044673-001	102A
001-044674-001	289A
001-044676-001	177
001-044677-001	199
001-044678-1	289A
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001-533-00	159
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001-223026	145A
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001-223028	145A
001-223030	135A
001-223034	145A
001-223038	5075A
001-223040	5141A
001-223060	135A
001-226010	177
001-226060	519
001-226080	519
001-226110	116
001(McIntosh)	726
001B(McIntosh)	726
001UMI	8098
002-005100	102A
002-006300	126A
002-006500	123
002-006600	102A
002-006800	102A
002-006900	102A
002-007000	104
002-007100	160
002-007200	160
002-007300	102A
002-007400	160
002-008100	104
002-008400	102A
002-008800	121
002-009100	124
002-009500	123A
002-009501	123A
002-009502	123A
002-009600	108
002-009601	108
002-009701	121
002-009800	159
002-009900	123A
002-03	123A
002-0105-00	106
002-010100	121
002-010300	159
002-010300-6	129
002-010300A	159
002-010400	123A
002-010500	159
002-010500A	159
002-010600	128
002-010700	129
002-010800	123A
002-010900	159
002-010900A	159
002-011000	102A
002-011400	161
002-011500	161
002-011600	126A
002-011700	103A
002-011800	176
002-011900	102A
002-012000	123
002-012100	185
002-012200	184
002-012300	153
002-012400	152
002-012500	128
002-012600	129
002-012700	121
002-012700-12	127
002-012800	159
002-012800A	159
002-1(SYL)	196
002-2(SYL)	196
002-3(SYL)	241
002-4(SYL)	196
002-5(SYL)	241
002-104-000	199
002-9501	199
002-9502	199
002-9502-12	199
002-9601	108
002-9601-12	108
002-9700	121
002-9800-12	129
002-9800-A	159
002-11700	103A
002-11800	102A
002-11900	102A
002-12000	123A
002(McIntosh)	710
002D235RY	152
002SA203AA	126A
002SB185AA	102A
002SB435RY	153
002SB18500	102A
002SC1209C	297
002SC7350Y	289A
002SD235RY	152
002UMI	8115
003	110MP
003-00	229
003-001	116
003-00200	110MP
003-002200	113A
003-004200	110MP
003-005400	109
003-006700	108
003-007500	110MP
003-009000	109
003-009100	145A
003-009200	142A
003-009400	116
003-009700	142A
003-009900	116
003-009900(Airline)	506
003-01	229
003-02000	110MP
003-010000	142A
003-0(SYL)	5400
003-1(METAL)	128
003-1(SYL METAL)	128
003(McIntosh)	724
003-H03	102
003UMI	8125
004	1098
004-00	123A
004-001	179
004-002000	116
004-002700	116
004-002800	116
004-002900	113A
004-003000	116
004-003100	119
004-003200	118
004-003300	116
004-003400	116
004-003500	506
004-003600	116
004-003700	120
004-003900	116
004-004000	116
004-004100	116
004-00(Last IF)	233
004-03100	119
004-03200	118
004-03300	116
004-03500	116
004-03600	116
004-03700	116
004-1	189
004-1(NAP-SCR)	5452
004-1A(SYL)	185
004-2	152
004-2(NAP-SCR)	5452
004-2(SYL)	152
004-3(NAP-SCR)	5452
004-4(NAP-SCR)	5426
004-5(NAP-SCR)	5426
004-175-9-001	601
004-8000	121
004(McIntosh)	725
004(Toyota)	1098
004UMI	8125
005-02	123A
005-010400	522
005-010800	522
005-010900	522
005-011000	522
005-011200	522
005-012200	534
005-013500	532
005-013600	531
005-1	152
005-1(SYL)	291
005(McIntosh)	724
005UMI	8149
006-0000004	519
006-0000134	123A
006-0000135	159
006-0000146	7400
006-0000147	7410
006-0000151	7472
006-0000162	74107
006-0004270-001	909D
006-0004443	312
006-0004779	9109§
006-0004956	129
006-0005191	129
006-0005545	9112§
006-00055182	234
006-004400	563
006-02	159
006-6400902	519
006-6450032	123A
006B2M	722
007-00	171
007-0030	175
007-0040-00	130
007-0051	128
007-0074	175
007-0112	152
007-0112-03	152
007-0112-05	152
007-0149-00	357
007-0150-00	359
007-0214-00	312
007-0214-01	312
007-0378-00	471
007-0484-00	342
007-112-04	152
007-6016-00	519
007-6060-00	519
007-16687C1	911
007-25005-01	519
007-25013-01	519
007-25016-01	519
007-74004-01	159
007-74008-01	159
007-74655-02	123A
007-74655-06	123A
007-74659-01	128
007-74659-04	128
007-74659-06	128
007-74661-01	123A
007-166870i	911
007-1668601	910
007-1668602	910D
007-1669602	941M
007-1669901	923D
007-1681301	9112§
007-1695001	7400
007-1695101	7420
007-1695301	7404
007-1695701	7440
007-1695901	7410
007-1696001	7485
007-1696101	7414
007-1696201	7402
007-1696301	7437
007-1696701	7411
007-1696801	74145
007-1696901	7406
007-1697701	74180
007-1697801	7441
007-1698301	74192
007-1698401	74193
007-1698901	7450
007-1699201	7411
007-1699301	7408
007-1699401	7403
007-1699801	7474
007-7450301	130
007-7466101	123A
007UMI	8181
008-024-00	116

General Cross Reference Section Notes:

(1) Numbers in ( ) indicates the number of replacement devices required to replace original type.

(2) / numbers indicate more than one ECG type required for this application.

(3) (CP) — Complementary Pair.

(4) When a specific device part number is not listed in the directory, refer to the technical data for the ECG device of that type to find an equivalent replacement.

(5) OBS-NLA — ECG replacement for this part is obsolete and no known substitute is available.

(6) When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
009-000	165
009-00	165
009-1(SYL)	161
009-301003	102A
0010-0041	292
0010-0180	398
0012-911	116
0013-911	116
0014-911	177
0015-911	116
0019-003485	175
0020-0190	85
0020-0191	85
0020-0193	85
0020-0220	186A
0020-0221	186A
0020-0250	289A
0020-0271	289A
0020-0330	85
0020-0332	85
0020-0350	229
0020-0351	85
0020-0360	107
0020-0381	85
0020-0402	85
0020-0403	85
0020-0404	85
0020-0411	85
0020-0432	107
0020-0451	85
0020-0521	229
0020-0531	107
0020-0540	399
0020-0541	399
0020-0630	85
0020-0643	157
0020-0711	399
0020-0720	186A
0020-0761	198
0020-0800	198
0020-0801	198
0030-0060	152
0030-0150	2308
0030-0161	375
0030-0370	89
0036-001	159
0043-004793	722
0050-0011	109
0050-0020	5009A
0050-0021	110MP
0050-0031	109
0050-0032	109
0050-0050	600
0050-0070	519
0050-0080	506
0050-0090	552
0050-0170	519
0050-0250	519
0050-0300	519
0050-0301	519
0051-0010	116
0051-0040	156
0051-0070	558
0051-0100	552
0051-0110	552
0051-0130	552
0051-0160	116
0051-0170	506
0051-0290	116(2)
0051-0291	116(2)
0051-0340	552
0053-015-71100	5019A
0053-015-71330	5036A
0053-015-71629	5013A
0053-017-11002	116
0053-018-11001	519
0053-018-11002	519
0053-024-71001	519
0053-024-91519	5010T1
0053-024-91629	5013T1
0053-026-01002	580
0053-026-21001	125
0053-029-91002	587
0053-030-51003	580
0053-031-01001	580
0053-032-91439	5008A
0053-032-91629	5013T1
0053-033-71120	142A
0053-033-71330	5036A
0053-033-71479	5009A
0053-033-71629	5013A
0053-033-71919	5018A
0054-0050	5014A
0054-0060	5015A
0054-0110	5074A
0054-0115	5020A
0054-0152	5035A
0054-0191	5010A
0054-0240	5021A
0054-0611	5033A
0055	129
0061-015-80003	159
0061-022-40001	123AP
0061-022-49001	123AP
0061-043-49001	159
0061-043-49002	159
0061-043-49003	159
0061-043-59001	123AP
0061-043-59002	199
0061-044-30001	48
0061-049-99001	123AP
0061-050-70002	2406
0061-055-49001	399
0061-055-50002	2302
0061-058-50001	198
0061-058-70001	2331
0061-232-70001	1566
0061-247-90001	960
0061-257-40001	1797
0061-258-60003	1776
0061-258-60004	1777
0061-262-50001	1773
0064-030XX-XXBP	116
0064-130XX-XXJX	5019A
0064-131XX-XXJX	5020A
0064-133XX-XXJX	5021A
0065-085XX-XXCX	130
0065-105XX-XXHX	199
0065-213XX-XXCX	123AP
0065-215XX-XXCX	159
0065-342XX-XXCX	46
0065-379XX-XXDX	263
0065-385XX-XXDX	378
0065-388(BALLY)	331
0065-428XX-XXCX	123AP
0065-485XX-XXMX	152
0065-488XX-XXMX	153
0065-492XX-XXMX	261
0065-493XX-XXMX	262
0065-518XX-XXDX	5629
0065-560XX-XXBX	377
0065-563XX-XXDX	268
0066-004BX-XXAX	956
0066-012BX-XXAX	987
0066-020BX-XXAX	834
0066-022BX-XXAX	966
0066-034BX-XXAX	928M
0066-037BX-XXAX	990
0066-043DX-XXAX	1232
0066-050XX-XXAX	955M
0066-061AX-XXDX	74LS133
0066-065BX-XXAX	992
0066-068AX-XXCX	74LS138
0066-085XX-XXCX	130
0066-091BX-XXEX	4555B
0066-094BX-XXDX	829
0066-69AX-XXXX	74LS139
0066-100BX-XXDX	4024B
0066-104XX-XXAX	941M
0066-119XD-XXOD	2102
0066-124BX-XX2X	3880
0066-125XX-XXFX	2107
0066-131XE-XXAX	2114
0066-140AX-XXBX	74153
0066-141AX-XXHX	74LS153
0066-145AX-XXBX	74154
0066-160AX-XXBX	74157
0066-161AX-XXBX	74LS157
0066-166AX-XXHX	74LS158
0066-180AX-XXHX	74161
0066-183AX-XXHX	74LS161A
0066-193AX-XXCX	74LS163A
0066-196AX-XXDX	74LS164
0066-209XX-XXDX	4008B
0066-214XX-XXDX	4013B
0066-218XX-XXBX	4016B
0066-228XE-XXDX	2104
0066-240AX-XXBX	74174
0066-243AX-XXBX	74LS174
0066-248AX-XXCX	74LS175
0066-250BX-XXAX	953
0066-260BX-XXCX	2013
0066-275XX-XXEX	4066B
0066-277XX-XXDX	4068B
0066-301XX-XXDX	4078B
0066-304XX-XXDX	4081B
0066-311XX-XXEX	4099B
0066-320XX-XXDX	40174B
0066-322XX-XXDX	40175B
0066-331XX-XXDX	4516B
0066-335AX-XXAX	74193
0066-336XX-XXDX	4539B
0066-412XX-XXBX(Midway)	6810
0066-417AX-XXBX	74LS194A
0066-450XX-XXBX	7400
0066-453XX-XXAX	74LS00
0066-460XX-XXBX	7402
0066-463XX-XXXX	74LS02
0066-464AX-XXHX	74LS241
0066-467AX-XXHX	74LS244
0066-468AX-XXCX	74LS245
0066-470XX-XXBX	7404
0066-473XX-XXXX	74LS04
0066-480XX-XXBX	7406
0066-490XX-XXAX	7408
0066-493XX-XXXX	74LS08
0066-500XX-XXBX	7410
0066-502XX-XXBX	74LS10
0066-520XX-XXAX	7414
0066-521XX-XXAX	74LS14
0066-530XX-XXCX	7416
0066-550XX-XXBX	7420
0066-553XX-XXCX	74LS20
0066-575XX-XXAX	7425
0066-583AX-XXCX(Midway)	74LS253
0066-585XX-XXAX	7427
0066-600XX-XXAX	7430
0066-603XX-XXHX	74LS30
0066-610XX-XXHX	7432
0066-611XX-XXXX	74LS32
0066-643AX-XXDX	74LS259
0066-645AX-XXDX	74LS273
0066-648AX-XXAX	74LS283
0066-660XX-XXBX(Midway)	7442
0066-661XX-XXCX	74LS42
0066-690XX-XXBX(Midway)	7448
0066-700AX-XXBX	74LS367
0066-701AX-XXNX	74LS368
0066-717AX-XXBX	74LS374
0066-720AX-XXBX	74LS377
0066-730AX-XXCX	74LS393
0066-792AX-XXCX(Midway)	9662
0066-801AX-XXBX	961
0066-804AX-XXFX	8080A
0066-820XX-XXAX	7474
0066-821XX-XXCX	74S74
0066-823XX-XXDX	74LS74A
0066-827XX-XXNX(Midway)	74LS75
0066-880XX-XXBX	7486
0066-883XX-XXDX	74LS86
0066-895XX-XX1X	7489
0066-915XX-XXBX	7493A
0066-985XX-XXBX	74107
0066-986XX-XXAX	74LS107
0069-131XX-XXGX	3047
0070-0120	1278
0070-0210	1616
0070-0500	1751
0071-0030	1466
0073-0010	1003
0073-0020	615A
0073-0050	1440§
0073-0180	1413
0079-0030	1550
0079-0250	1297
0079-0510	1538
0081-0050	605A
0081-0090	605A
0086	148A
0087	146A
0088-001(RCA)	112
0088-1(RCA)	112
0098-0710	2114
0099-1030	116
0099-1040	519
00101	1019
00106	1332§
00234-B	175
00415	159
00-875-121-286	125
00-875-121-294	116
00-875-121-319	5485§
00-875-121-369	5487§
001422	123A
003002	109
003007	116
003008	177
003012	116
003016	109
003017	519
003023	116
003026	116
003102	139A
003111	139A
003113	139A
003404	294
003429	85
003430	123AP
003431	85
003435	299§
003449	229
003460	199
003461	199
003462	107
003463	229
003465	199
003473	236
003501	1003
003506	1194§
003515	801
003516	1217
003522	1052
003524	1160
003526	1170
003536	1194§
003542	7403
004567	116
004746	159
004763	177
004781	197
004792	107
004795	726
004887	142A
005575	181
006115	1206
007130	1234
007205	1155
007312	1523
0011193	5072A
0012060	109
0015107	506
0022481	131
0023645	107
0023828	123A
0023829	107
0033111	5018A
0099201-325	5081A
0099202-128	147A
0099203-005	116
0099203-007	116
00130041	89
00200118	116
00351980	128
00352080	123A
00444028-010	123A
00444028-014	123A
004440028-002	123A
004440028-006	123A
004440028-007	123A
004440028-008	123A
004440028-010	123A
004440028-014	123A
0021151050	3024
0021520010	3025
0021520060	3007
0031013007(EBC)	229
0031013010	123AP
0031013017	187A
0031013019	193
0031013022	123AP
0031013024	294
0031013026	192§
0031013027	287
0031013028	123AP
0031013029	108
0031013031	159
0031013045	123AP
0031013047	198
0031013048	287
0031013049	123AP
0031013050	159
0031013051	123AP
0031013052	159
0031013053	108
0031013056	123AP
0031013063	123AP
0031013064	187A
0031013065	193
0031013066	379
0031013067	186A
0031014003	552
0031014007	552
0031014008	116
0031014009	5015A
0031014013	519
0031014014	5010A
0031014021	109
0031014022	177
0031014024	552
0031014029	519
0031014030	552
0031015010	712
0031015012	712
0063050118	116
00310013044	376
006123300330	7115
006123300422	7115
006190000120	2505
006190002750	2505
006192080420	7115
006192100390	1854M
0061206000003	2501
00HA1306P-U	1029
00S08	1232
00S34	4011B
00S35	941M
00S36	4030B
0-008	128
0-008(Ampex)	129
0-009	129
0.5Z5.1U	5010A
01	159
01-080U40	221
01-0301-031383383	293
01-010377	294
01-010473	153
01-010495	290A
01-010509	290A
01-010562	290A
01-010564	234
01-010628	159
01-010640	234
01-010673	290A
01-010719	290A
01-010733	290A
01-010844	159
01-010950	159
01-010952	290A
01-017190	290A
01-020562	294
01-020564	294
01-020566	197
01-020642	290A
01-021674	107
01-030372	123AP
01-030373	199
01-030380	229
01-030388	233
01-030394	229
01-030454	289A
01-030458	123A
01-030460	233
01-030473	153
01-030495	295
01-030508	175
01-030509	289A
01-030535	229
01-030536	199
01-030668	107
01-030682	161
01-030710	85
01-030711	199
01-030719	290A
01-030732	199
01-030733	159
01-030734	128
01-030735	289A
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01-030784	229
01-030785	229
01-030828	85
01-030829	123AP
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01-030930	107
01-030941	289A
01-030945	85
01-030983	287
01-031018	299§
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07B2B	708
07B2Z	788
07B3B	708
07B3C	708
07B3D	708
07B3M	708
07B3Z	708
07B27	708
07B(Zener)	5014A
07D	5015A
07DK201	1V130
07DK241	1V150
07DK391	1V250
07M6(Zener)	5014A
07SD-1S1555	177
07SD-1S1887(AU)	116
07ST-2SC383W	85
07SZ-UZP-11B	5074A
08	139A
08-0821	116
08-08111	109
08-08112	110MP
08-08117	177
08-08119	177
08-08120	145A
08-08122	116
08-08125	139A
08A	5015A
08A159-001	605A
08A159-007	177
08A159-009	601
08A161-001	HiDiv-1
08A161-002	HiDiv-1
08A161-003	HiDiv-1
08A165-001	177
08A8300-2	123A
08B1M	725
08B2D	725
08B2M	725
08D(Diode)	156
08P-2	102A
08P-2-12-7	102A
08P-12-12	102A
08SD-1K34A	109
08ST-2SC945Q(AU)E	85
08ST-2SC945R(AU)E	85
08ST-JE9015C	159
09-000-302-002-0	6400B
09-000-303-002-1	290A
09-000-303-009-0	294
09-000-304-007-2	85
09-000-304-008-2	107
09-000-304-014-1	107
09-000-304-016-2	85
09-000-304-024-0	85
09-000-304-024-1	85
09-000-304-029-0	152
09-000-304-031-0	85
09-000-304-040-0	85
09-000-304-048-0	229
09-000-304-049-0	85
09-000-305-002-0	116
09-000-305-003-0	109
09-000-305-005-0	177
09-000-305-008-0	611
09-000-305-009-0	519
09-000-305-018-0	109
09-000-306-003-0	611
09-000-306-004-0	613
09-000-307-001-0	139A
09-000-307-005-0	5012A
09-000-307-012-0	5073A
09-000-307-015-0	5018A
09-000-312-001-0	1170
09-000-312-007-0	1248◆
09-000-312-008-0	930
09-000-312-033-0	1100
09-000-312-052-0	1226
09-000-312-055-0	1194§
09-000-312-058-0	1217
09-000-312-066-0	1166
09-004	718
09-005	703
09-006	703
09-007	750§
09-002012	123A
09-010	746
09-011	720
09-017	722
09-018	788
09-033006	103A
09-306-083	116
09-683	159
09-820-555	1292§
09-3470-0	102A
09-3472-0	121MP
09-3473-0	5018A
09-3557-0	159
09-5414-0	116
09-5503-0	116
09-5506-0	104
09-5507-0	126A
09-5508-0	102A
09-5509-0	104
09-5605-0	143A
09-5606-0	5030A
09-5961-0	123A
09-5962-0	123A
09-5963-0	6401
09-6515-0	5801
09-6516-0	100
09-6517-0	121
09-6627-0	5096A
09-7016-0	102A
09-7311-0	5016A
09-7313-0	116(4)
09-7407-0	289A
09-7426-0	159
09-7442-0	138A
09-7444-0	5801
09-7502-0	5801
09-7554-0	102A
09-7555-0	5191A
09-7556-0	5801
09-8168-0	177
09-8224-0	5017A
09-8225-0	5015A
09-30063	159
09-30104B	102A
09-30126	102A
09-30313	102A
09-30318	152
09-30319	192§
09-30501	199
09-30636	110MP
09-30864	1006
09-32124	108
09-300002	126A
09-300005	158
09-300006	126A
09-300007	126A
09-300011	126A
09-300012	126A
09-300015	126A
09-300016	126A
09-300017	102A
09-300021	160
09-300024	160
09-300026	234
09-300027	126A
09-300028	160
09-300029	126A
09-300036	234
09-300037	159
09-300037A	121
09-300043	129
09-300059	159
09-300061	159
09-300062	159
09-300063	159
09-300064	290A
09-300067	187
09-300068	187
09-300070	290A
09-300071	294
09-300072	193
09-300073	187A
09-300074	159
09-300076	294
09-300077	159
09-300078	126A
09-300079	126A
09-300080	290A
09-300081	290A
09-300090	153
09-300307	159
09-301001	102A
09-301002	102A
09-301002-6	102A
09-301003	102A
09-301004	102A
09-301005	102A
09-301006	102A
09-301007	102A
09-301008	158
09-301008-18	102A
09-301009	102A
09-301010	104
09-301014	158
09-301015	176
09-301016	102A
09-301019	158
09-301020	102A
09-301022	158
09-301023	102A
09-301024	131
09-301025	102A
09-301025-6	102A
09-301026	102A
09-301027	158
09-301030	226MP
09-301031	176
09-301032	102A
09-301034	131
09-301036	102A
09-301048	102A
09-301050	288
09-301052	121
09-301054	158
09-301056	102A
09-301066	158
09-301071	127
09-301072	102A
09-301073	127
09-301074	102A
09-301075	131
09-301077	153
09-301079	127
09-301081	292
09-302002	229
09-302003	229
09-302004	233
09-302005	108
09-302006	229
09-302007	123A
09-302009	108
09-302010	108
09-302012	123A
09-302014	107
09-302015	195A
09-302016	233
09-302017	108
09-302020	289A
09-302030	195A
09-302032	107
09-302033	123A
09-302034	123A
09-302035	195A
09-302036	229
09-302037	229
09-302037(IC)	1006
09-302037(Transistor)	229
09-302038	199
09-302039	123A
09-302040	289A
09-302044	107
09-302045	123A
09-302045-12	123A
09-302046	300
09-302050	237
09-302051	237
09-302053	199
09-302054	123A
09-302055	195A
09-302056	237
09-302058	123A
09-302060	108
09-302061	316
09-302062	123A
09-302063	107
09-302068	195A
09-302072	107
09-302073	107
09-302074	123A
09-302075	192§
09-302078	123A
09-302079	107
09-302080	186A
09-302081	195A
09-302082	195A
09-302083	152
09-302085	199
09-302086	199
09-302090	128
09-302090(Diode)	177
09-302092	107
09-302093	199
09-302095	229
09-302097	199
09-302099	154
09-302101	123A
09-302102	299§
09-302106	123A
09-302107	199
09-302113	186
09-302114	107
09-302115	108
09-302116	192§
09-302117	237
09-302118	123A
09-302119	235
09-302121	186A
09-302122	130
09-302123	186A
09-302124	123A
09-302125	199
09-302126	186A
09-302127	199
09-302128	161
09-302129	107
09-302130	194
09-302131	123A
09-302132	152
09-302135	299§
09-302136	295
09-302138	107
09-302139	199
09-302140	123A
09-302141	108
09-302142	107
09-302143	107
09-302146	124
09-302148	123A
09-302149	108
09-302150	287
09-302151	107
09-302152	107
09-302153	123A
09-302155	293
09-302156	124
09-302157	164
09-302158	163A
09-302159	162
09-302160	124
09-302161	193
09-302162	108
09-302164	152
09-302165	123A
09-302166	2347
09-302169	237
09-302170	187
09-302171	128
09-302172	123A
09-302173	289A
09-302175	123A
09-302176	163A
09-302177	163A
09-302185	124
09-302186	198
09-302187	165
09-302188	286
09-302189	123A
09-302190	108
09-302192	236
09-302193	236
09-302194	199
09-302200	233
09-302201	161
09-302202	315
09-302203	107
09-302204	123A
09-302206	229
09-302207	229
09-302212	295
09-302215	123A
09-302216	107
09-302218	175
09-302219	302
09-302220	107
09-302222	297
09-302224	229
09-302225	229
09-302226	192§
09-302227	123A
09-302236	152
09-302237	198
09-302238	238
09-302240	161
09-302241	108
09-302242	229
09-302243	171
09-302245	238
09-302246	165
09-303005	175
09-303006	103A
09-303012	103A
09-303013	103A
09-303018	152
09-303019	192§
09-303021	196
09-303022	152
09-303023	103A
09-303025	123A
09-303028	124
09-303029	198
09-303030	103A
09-303031	152
09-303032	152
09-303033	152
09-303034	291
09-303036	287
09-304011	160
09-304012	159
09-304017	312
09-304042	229
09-304043	229
09-304044	123A
09-304044(Last IF)	233
09-304045	123A
09-304046	171
09-304047	159
09-304049	159
09-304050	159
09-304051	159
09-304052	191
09-304055	182§
09-304056	165
09-304057	164
09-304058	123A
09-304140	152
09-305006	161
09-305011	161
09-305014	312
09-305021	312
09-305023	312
09-305024	159
09-305031	312
09-305032	312
09-305033	107
09-305034	123A
09-305040	222
09-305041	107
09-305048	199
09-305049	300
09-305050	229
09-305051	229
09-305052	199
09-305058	234
09-305062	123A
09-305063	123A
09-305064	123A
09-305065	123A
09-305066	123A
09-305067	123A
09-305068	123A
09-305069	108
09-305070	108
09-305071	108
09-305072	108
09-305073	159
09-305074	108
09-305075	129
09-305076	128
09-305077	123A
09-305091	237
09-305092	297
09-305093	229
09-305094	229
09-305095	235
09-305096	229
09-305123	199
09-305126	199
09-305131	102A
09-305132	161
09-305133	312
09-305134	129
09-305135	312
09-305136	235
09-305137	236
09-305138	390
09-305139	123A
09-305140	152
09-305148	123A
09-305149	159
09-305150	287
09-305151	288
09-305152	123A
09-306002	109
09-306009	109
09-306010	109
09-306012	109
09-306019	110MP
09-306020	109
09-306024	109
09-306024(Zener)	145A
09-306030	506
09-306031	506
09-306033	116
09-306034	116
09-306036	109
09-306037	109
09-306040	109
09-306042(Rectifier)	116
09-306042(ZENER)	5072A
09-306046	116
09-306047	109
09-306049	109
09-306050	116
09-306051	109
09-306052	5014A
09-306053	156
09-306054	116
09-306055	137A
09-306057	110MP
09-306059	116
09-306060	177
09-306061	109
09-306062	177
09-306063	116
09-306064	109
09-306073	5070A
09-306077	112

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
09-306088	116
09-306089	112
09-306091	109
09-306093	109
09-306100	116
09-306101	113A
09-306103	116
09-306104	116
09-306106	139A
09-306107	109
09-306108	109
09-306109	136A
09-306110	177
09-306110(Zener)	145A
09-306111	177
09-306112	116
09-306113	177
09-306114	116
09-306115	116
09-306119	116
09-306124	139A
09-306125	116
09-306127	143A
09-306129	177
09-306134	177
09-306135	519
09-306138	116
09-306141	506
09-306144	506
09-306145	177
09-306148	177
09-306149	116
09-306151	177
09-306154	177
09-306157	116
09-306158	139A
09-306159	177
09-306160	116
09-306161	177
09-306162	116
09-306163	177
09-306165	139A
09-306168	178MP
09-306169	116
09-306170	177
09-306171	177
09-306172	116
09-306173	5022A
09-306176	116
09-306177	116
09-306178	177
09-306179	142A
09-306180	139A
09-306181	138A
09-306183	137A
09-306191	5010A
09-306192	116
09-306193	113A
09-306194	139A
09-306195	177
09-306196	5072A
09-306197	138A
09-306198	177
09-306199	177
09-306202	177
09-306205	116
09-306206	177
09-306208	5070A
09-306209	112
09-306210	112
09-306211	177
09-306211(ZENER)	5015A
09-306212(Rectifier)	125
09-306212(Zener)	5015A
09-306213	116
09-306214	116
09-306215	5071A
09-306216	112
09-306219	177
09-306220	177
09-306221	177
09-306222	109
09-306223	177
09-306224	116
09-306226	125
09-306227	156
09-306228	140A
09-306229	110MP
09-306231	177
09-306232	139A
09-306233	177
09-306235	140A
09-306236	177
09-306237	506
09-306238	5072A
09-306239	139A
09-306241	139A
09-306242	5072A
09-306243	5075A
09-306244	519
09-306245	116
09-306247	139A
09-306248	177
09-306249	116
09-306250	116
09-306254	116
09-306255	116
09-306260	506
09-306263	116
09-306264	116
09-306266	177
09-306268	5075A
09-306274	125
09-306275	139A
09-306276	177
09-306278	144A
09-306283	177
09-306285	116
09-306287	139A
09-306288	177
09-306289	5068A
09-306290	109
09-306291	177
09-306300	116
09-306303	116
09-306309	177
09-306310	505
09-306311	125
09-306312	116
09-306313	177
09-306314	5072A
09-306315	116
09-306323	116
09-306324	5075A
09-306325	5071A
09-306326	177
09-306327	139A
09-306330	109
09-306331	109
09-306332	139A
09-306333	116
09-306334	109
09-306335	110MP
09-306336	109
09-306339	109
09-306341	116
09-306349	109
09-306350	116
09-306351	139A
09-306353	116
09-306354	5072A
09-306355	5077A
09-306356	5072A
09-306359	611
09-306365	116
09-306367	145A
09-306368	177
09-306370	109
09-306373	177
09-306375	139A
09-306376	116
09-306377	137A
09-306378	5072A
09-306379	156
09-306380	5067A
09-306381	5072A
09-306382	139A
09-306383	5070A
09-306384	116
09-306389	116
09-306390	177
09-306391	142A
09-306392	506
09-306393	504
09-306394	116
09-306401	139A
09-306417	116
09-306418	506
09-306419	5071A
09-306421	116
09-306422	116
09-306423	506
09-306424	125
09-306425	506
09-306426	177
09-306427	116
09-306428	5074A
09-306429	5074A
09-306430	503
09-306432	116
09-306433	116
09-307039	177
09-307043	116
09-307045	177
09-307055	177
09-307056	601
09-307075	177
09-307080	177
09-307081	177
09-307082	138A
09-307083	177
09-307084	116
09-307085	177
09-307088	5071A
09-307089	177
09-308002	724
09-308003	724
09-308004	703
09-308008	1003
09-308009	1046
09-308010	726
09-308011	1054
09-308013	703
09-308017	704
09-308019	703
09-308021	9946
09-308022	7400
09-308023	1004
09-308024	1021
09-308025	1076
09-308026	1091*
09-308027	1047
09-308028	1077
09-308029	1086
09-308030	1089*
09-308031	1048
09-308033	1045
09-308034	1006
09-308036	1103
09-308037	1029
09-308038	1142
09-308039	704
09-308041	1100
09-308043	1103
09-308044	1120
09-308045	715
09-308046	715
09-308047	713
09-308048	713
09-308049	1019
09-308050	1002
09-308051	1113
09-308052	1082
09-308053	1075A
09-308058	1005
09-308059	1100
09-308061	1097
09-308062	1135
09-308063	1003
09-308064	1006
09-308065	1016
09-308066	1106
09-308067	1107
09-308069	1047
09-308070	1108
09-308071	720
09-308074	4011B
09-308076	1052
09-308077	1012
09-308078	804
09-308079	714
09-308080	1155
09-308083	1049
09-308084	1127
09-308086	1153§
09-308089	1004
09-308090	749
09-308094	1243
09-308095	1087
09-308096	1092
09-308098	712
09-308099	791
09-308100	712
09-308102	1049
09-309006	123A
09-309007	108
09-309012	123A
09-309013	108
09-309023	123A
09-309024	108
09-309027	108
09-309028	108
09-309029	172A
09-309030	193
09-309031	192§
09-309032	108
09-309038	159
09-309042	159
09-309049	123A
09-309050	123A
09-309059	199
09-309061	289A
09-309062	195A
09-309063	297
09-309064	123A
09-309065	229
09-309069	107
09-309070	199
09-309071	186A
09-309072	107
09-309073	108
09-309074	312
09-309075	103A
09-309076	123A
09-309672	107
09-3002006	229
09A02	146
09A04	74LS193
09A05	4020B
09A07	787
09A08	1239
09AO7	787
09C5(Zener)	5018A
09D(Zener)	5018A
09L-4	102A
09L-4-12	102A
09L-4-12-7	102A
09N1	123A
09ST-2SA755C	153
09ST-BF459	157
010	173BP§
010-001	912
010-0101-01	5073A
010-694(Ampex)	154
010-6742	173BP§
010-6744	173BP§
011-00	191
011-H01	100
011UMI	8098
012-00	182§
012-0121-001	177
012-1	123A
012-1-12	123A
012-1-12-7	123A
012-1020-005	177
012-1022-002	114
012-1023-007	136A
012-1024-001	177
012-1024-001(Scott)	125
012-1024-013(Scott)	125
012-1025-002	156
012-103002	152
012E	123A
012-H02	100
012UMI	8115
0-13-008	254
013-005002-06	OBS-NLA
013-005005	761§
013-005005-6	761§
013-005007	761§
013-005007-6	761§
013-005009-6	767§
013-1/2(SYL)	159
013-1(MAG-SCR)	5351A
013-2(MAG-SCR)	5351A
013-2(SYL)	229
013-3(MAG-SCR)	5351A
013-3(SYL)	113A
013-4(SYL)	108
013-5(SYL)	161
013-6(SYL)	116
013-7(EBC-MAG)	229
013-9(SYL)	159
013-10(SYL)	123AP
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029-LP	5198A
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086X0116-001	171
086X0117-001	385
086X0118-001	165
086X0121-001	123AP
086X0123-001	130
086X0124-001	219
086X0125-001	188
086X0126-001	189
086X0127-001	108
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087	104
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087-2(SYL)	123A
088-2	125
088B	160
088B-12	160
088B-12-7	160
088C	100
088C-12	100
088C-12-7	100
089-214	108
089-215	108
089-216	108
089-220	126A
089-222	102A
089-223	123A
089-226	123A
089-231	158
089-233	103
089-236	109
089-241	177
089-248	109
089-252	5809
089-293	109
090A64-1	109
091-1(NAP-IC)	7412
092-1	105
092-1-12	105
092-1(NAP-IC)	7474
093-1(NAP-IC)	74123
094	714
094-007	5159
094-010	116
094-011	125
094-012	506
094-013	121
094-014	109
094-1	714
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094-2(MAG)	123AP
094-3(EBC-MAG)	199
094-3(MAG)	47
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094A(Packard Bell)	714
095	715
095-1	715
095(SONY)	1308
095A	715
095A(Packard Bell)	715
095A(SONY)	1308
095C(SONY)	1308
096	713
096-1	713
096A	713
096A(Packard Bell)	790
097	780
097-1	783§
097A	780
097A(Packard Bell)	780
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098GI219	125
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099-1(Philco)	152
099-1(SYL)	152
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099-2(SYL)	196
099-3(SYL)	196
099-24-1456	289A
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0101	177
0101-0034	126A
0101-0060A	108
0101-0222	126A
0101-0439	193
0101-0448	187
0101-0448A	187
0101-0466	187
0101-0491	123A
0101-0531	108
0101-0540	123A
0101-439	129
0102	116
0102-0371	102A
0103-0014	123A
0103-0014/4460	123A
0103-0014R	128
0103-0014S	128
0103-0051	128
0103-0060	108
0103-0060B	108
0103-0088	123A
0103-0088/4460	199
0103-0088/5462	199
0103-0088H	123A
0103-0088R	123A
0103-0088S	123A
0103-0191	108
0103-0389	108
0103-0419	186
0103-0419A	186
0103-0473	123A
0103-0482	123A
0103-0491	123A
0103-0491/4460	123A
0103-0491/5462	199
0103-0492	199
0103-0503	128
0103-0503/5462	289A
0103-0503S	128
0103-0504	123A
0103-0521	108
0103-0521B	108
0103-0531	108
0103-0531/4460	107
0103-0531/5462	123A
0103-0540	123A
0103-0568	107
0103-0568/4460	107
0103-0568/5462	107
0103-0607	128
0103-0616	128
0103-90	116
0103-93	199
0103-94	123A
0103-95	158
0103-389	108
0103-512M	186
0103-9531/4460	108
0104-0013	128
0105-0012	312
0110	116
0110-0011	116
0110-0141	116
0110-0141/4460	116
0110-0141/5462	116
0110-0209	116
0111	116
0112	116
0112-0019	109
0112-0026	109
0112-0028	109
0112-0028/4460	109
0112-0028/5462	109
0112-0037	109
0112-0046	109
0112-0073	109
0112-0082	109
0114-0017	139A
0114-0026/4460	5014A
0114-0090	139A
0114-0260	5071A
0114-0260-5462	5071A
0117-02	221
0121	123A
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0122-0062	613
0122-0245	610
0122-0246	610
0122-0247	611
0122-0248	611
0122-0249	612
0122-0250	612
0122-0255	613
0122-0256	613
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0123(WARDS)	185
0124	184
0124(Hoffman)	184
0124(Knight)	159
0124(WARDS)	184
0124A	159
0125	123A
0126	123A
0126(Wards)	189
0127	123A
0128	123A
0130	128
0131	123A
0131-000100	102A
0131-000101	102A
0131-000102	102A
0131-000192	121
0131-000335	159
0131-000336	121
0131-000337	121
0131-000418	160
0131-000419	160
0131-000473	123A
0131-000498	160
0131-000561	128
0131-000562	121
0131-000563	102A
0131-000704	123A
0131-000802	160
0131-000859	160
0131-000862	160
0131-000863	160
0131-0026	116
0131-0035	116
0131-0044	116
0131-0053	116
0131-001050	158
0131-001056	158
0131-001182	160
0131-001314	160
0131-001328	159
0131-001329	159
0131-001332	160
0131-001417	123A
0131-001418	123A
0131-001419	102A
0131-001420	159
0131-001421	123A
0131-001422	123A
0131-001423	123A
0131-001424	123A
0131-001425	121
0131-001426	102A
0131-001427	129
0131-001428	129
0131-001429	128
0131-001430	128
0131-001433	160
0131-001434	160
0131-001435	160
0131-001436	160
0131-001438	106
0131-001439	159
0131-001464	123A
0131-001597	130
0131-001697	160
0131-001864	123A
0131-002049	153
0131-002068	130
0131-002656	102A
0131-003029	160
0131-004323	123A
0131-004367	130
0131-004746	159
0131-004792	199
0131-005347	199
0131-005348	199
0131-005349	199
0131-005350	199
0131-005351	159
0131-005352	152
0131-005353	153
0131-026	116
0131-053	116
0131-04560	175
0131-4328	159
0132	130
0133	159
0133.0008T	159
0133.1003T	159
0134	123A
0135-1	5801
0137	219
0140-5	199
0140-6	123A
0140-7	186
0140-8	116
0140-9	116
0142	108
0154	5642
0159	116
0161-46G	198
0190AG	110A
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0201	5944
0205	722
0205(Dynaco)	722
0210	5944
0211	5944
0220	5944
0221	5944
0234	116
0243	5838
0243-001	175
0244	116
0245	5842
0246	5847
0248	156
0277.5A	138A
0300	116
0301	116
0301-3055-00	130
0302	116
0304	116
0307	125
0310	116
0311	116
0312	116
0314	116
0317	125
0320	116
0321	116
0322	116
0324	116
0327	125
0400	116
0401	116
0402	116
0410	116
0411	116
0412	116
0418	121MP
0418(Harmon Kardon)	121MP
0450	116
0460	116
0486-2(RCA)	5141A
0500	177
0505-0314	109
0514-030963	5966
0514-031162	5966
0514-052189	524V25
0514-052689	5967
0514-058337	5463
0514-060260	2042§
0514-064032	2040§
0514-100547	2042§
0514-101088	74LS12
0514-101098	74LS197
0514-101100	2102
0514-102578	6508
0557-010	116
0575-005	109
0602	5878
0604	5882
0606	5890
0648R	5071A
0700	116
0701	116
0701(TRANSISTOR)	108
0702	116
0703	108
0704	116
0707	125
0710	116
0727-50	116
0731	128
0770	185
0772	184
0773	185
0776-0160	123A
0776-0195	159
0831	234
0847T0R402	15020
0847TR2501	15019
0991-002P	129
0991-003N	123A
01045	139A
01057-1	182§
01058-5	182§
01064-5A	247
01122-0073	109
01339	116
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02057-3	183§
02057-4	183§
02058-1	183§
02058-5	183§
02060-7	185
02062-1	159
02062-6	159
02064-5	248
02064-5A	248
02064-6	248
02064-7	248
02064-8	248
02201OOF	5542
02201OOL	5517
02201OON	5562
02202OOF	5543
02202OOL	5517
02202ON	5562
02203OOF	5545
02203OOL	5518
02203OON	5564
02204OOF	5545
02204OOL	5518
02204OON	5564
02205OOF	5547
02205OOL	5519
02205OON	5566
02206OOF	5547
02206OOL	5519
02206OON	5566
02301OOF	5542
02301OOL	5517
02301OON	5562
02302OOF	5543
02302OOL	5517
02302OON	5562
02303OOF	5545
02303OOL	5518
02303OON	5564
02304OOF	5545
02304OOL	5518
02304OON	5564
02305OOF	5547
02305OOL	5519
02305OON	5566
02306OOF	5547
02306OOL	5519
02306OON	5566
02375-A	175
02566	5815
03008-1	123A
03500	109
03571	109
04049B	116
04053	234
04170	166
04770	109
04970	125
05001OOF	5567
05002GOF	5567
05002OOF	5567
05003GOF	5568
05003OOF	5568
05004GOF	5568
05004OOF	5568
05005GOF	5568
05005OOF	5568
05006GOF	5568
05006OOF	5568
05007GOF	5569
05007OOF	5569
05008GOF	5569
05008OOF	5569
05009GOF	5569
05009OOF	5569
05010GOF	5569
05010OOF	5569
05011GOF	5569
05011OOF	5569
05012GOF	5569
05012OOF	5569
05025GOA	5572
05201G0A	5570
05201G0B	5570
05201G0D	5575
05201GOA	5570
05201GOB	5570
05201GOD	5575
05202G0A	5570
05202G0B	5570
05202G0D	5575
05202GOA	5570
05202GOB	5570
05202GOD	5575
05203G0A	5572
05203G0D	5577
05203GOA	5572
05203GOB	5572
05203GOD	5577
05204G0A	5572
05204G0B	5572
05204G0D	5577
05204GOA	5572
05204GOB	5572
05204GOD	5577
05205G0A	5572
05205G0B	5572
05205G0D	5577
05205GOB	5572
05205GOD	5577
05206-00	199
05206G0A	5572
05206G0B	5572
05206G0D	5577
05206GOA	5572
05206GOB	5572
05206GOD	5577
05253	121
05470	138A
06005	1090§
06006	9400§
06008	1027
06011	941M
06015	992
06016	778A
06021	941M
06026	4022B
06027	4051B
06028	4069
06031	4070B
06032	4081B
06039	4011B
06041	941M
06042	4013B
06043	4019B
06044	778A
06049	4085B
06050	4527B
06051	4050B
06053	4072B
06054	4520B
06057	4030B
06058	4012B
06059	4025B
06060	4027B
06063	966
06064	4073B
06065	4075B
06072	345
06073	1327
06074	968
06075	969
06077	778A
06080	4049
06081	4002B
06082	972
06083	969
06096	902
06101	199
06102	234
06103	128
06104	199
06105	289A
06106	153
06107	290A
06108	152
06109	102A
06110	234
06111	102A
06112	103A
06113	289A
06115	196
06116	280
06117	427/128
06118	129/400
06119	280
06120	291
06121	159
06122	129
06124	158
06125	102A
06126	293
06127	199
06129	102A
06131	234
06139	382
06246-00	123A
06301	519
06304	125(2)
06305	125(2)
06306	506
06318	156
06501	138A
06502	140A
06503	139A
06504	5026A
06505	5035A
06506	5029A
06507	142A
06508	5073A
06509	5025A
06510	145A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
06511	312
06512	312
06516	312
06541	5081A
06543	5076A
06544	5010A
07101G0A	5570
07101G0B	5570
07101G0D	5575
07101G0A	5570
07101G0B	5570
07101G0D	5575
07102G0A	5570
07102G0B	5570
07102G0D	5575
07102G0A	5570
07102G0B	5570
07102G0D	5575
07103G0A	5572
07103G0B	5572
07103G0D	5577
07103G0A	5572
07103G0B	5572
07103G0D	5577
07104G0A	5572
07104G0B	5572
07104G0D	5577
07104G0A	5572
07104G0B	5572
07104G0D	5577
07105G0A	5572
07105G0B	5572
07105G0D	5577
07105G0A	5572
07105G0B	5572
07105G0D	5577
07106G0A	5572
07106G0B	5572
07106G0D	5577
07106G0A	5572
07106G0B	5572
07106G0D	5577
07812(IC)	966
08001G0A	5570
08001G0B	5570
08001G0D	5575
08001G0A	5570
08001G0B	5570
08001G0D	5575
08002G0A	5570
08002G0B	5570
08002G0D	5575
08002G0A	5570
08002G0B	5570
08002G0D	5575
08003G0A	5572
08003G0B	5572
08003G0D	5575
08003G0A	5572
08003G0B	5572
08003G0D	5577
08004G0A	5572
08004G0B	5572
08004G0D	5575
08004G0A	5572
08004G0B	5572
08004G0D	5577
08005G0A	5572
08005G0B	5572
08005G0D	5575
08005G0A	5572
08005G0B	5572
08005G0D	5577
08006G0A	5572
08006G0B	5572
08006G0D	5575
08006G0A	5572
08006G0B	5572
08006G0D	5577
08047L1	159
08050	116
08470R2501	15019
09004	718
09005	703
09006	703
09007	750§
09010	746
09011	720
09017	722
09018	788
09500	199
09501	199
09502	199
09502-8	123A
09800	159
09800-12	129
011119	110MP
011950	519
011956	519
012013-1	123A
012015	128
012085	175
012099-1	129
013339	5809
013339(Rectifier)	125
014002-1	177
014007-1	519
014007-2	519
014024	519
014382	121
014558	154
014944	289A
015040/7	7404
018069	129
018077	128
020156	100
020425-3	196
020426-3	197
020844	921
021154	116
022939	396
023606	312
023754	384
023762	130
025026	116
025056	116
025072	125
026237	123AP
030010	123A
030010-1	123A
030011	128
030011-1	128
030011-2	128
030254	289A
030387	5455
030512-1	123A
030512-2	123A
030515	123A
030515-4	123A
030527	123A
030531-1	105
030536	123A
030537	123A
030537-1	123A
030537-2	123A
030538	123A
030539-1	130
030542	123A
030542-1	123A
030543	123A
030543-1	123A
030543-2	123A
030812-1	103A
031033	109
031034	116
031040	109
031450	5802
031997	5457
033563	326
033571	129
033571(ELECTRO)	193A
033589	193A
036001	703
037077	175(2)
037085	130
040001	107
040934	130
041616	177
043001	108
044883	284
046127	100
053492	123A
055210	5809
055210H	116
055228	125
055228H	125
055269	125(4)
057001	109
057001H	109
057005	109
057005H	109
057040	104
057293	177
059395	109
059452	192A§
061366	289A
067561	5635
071818	129
072065A	5360
075005	109
080001	126A
080003	102A
080004	102A
080006	108
080021	108
080022	108
080023	108
080026	160
080027	160
080028	160
080040	116
080041	108
080042	108
080043	102A
080047	102A
080048	121
080050	116
080052	102A
080059	108
080060	108
080061	160
080071	160
080072	126A
080073	102A
080114	160
080206	126A
080224	126A
080225	126A
080228	126A
080236	126A
080244	160
080245	160
080253	126A
080258	160
080266	160
080267	160
080269	160
080274	126A
080275	126A
080276	126A
080277	126A
081001	102A
081018	102A
081019	102A
081026	158
081027	158
081029	158
081038	102A
081042	131MP
081046	102A
081047	102A
081048	102A
081049	102A
081050	102A
081056	102A
081059	158
082006	123A
082019	123A
082020	233
082022	195A
082025	237
082028	289A
082029	237
082033	195A
084001	159
084001C	121
084700R402	15020
084700R802	15022
085002	109
085003	177
085004	109
085005	110MP
085006	109
085016	109
085026	110MP
087003	102A
094013	121
0112945(Elgin)	166
0170301	177
0201201	1003
0207046	1108
0207120	1087
0207205	1155
0220100N	5562
0220200L	5517
0220200N	5562
0220300L	5518
0220300N	5564
0220400L	5518
0220400N	5564
0220500L	5519
0220500N	5566
0220600L	5519
0220600N	5566
0230100N	5562
0230200L	5517
0230200N	5562
0230300L	5518
0230300N	5564
0230400L	5518
0230400N	5564
0230500L	5519
0230500N	5566
0230600L	5519
0230600N	5566
0300510	290A
0300511	290A
0301090	91
0301091	91
0301201	1003
0305951	85
0305952	85
0305953	85
0306341	107
0306342	107
0306740	90
0306741	90
0308391	196
0308392	196
0308393	196
0310340	116
0311160	519
0311700	5304◆
0316390	5013A
0316400	5013A
0320031	123A
0320051	154
0320064	289A
0330302	142A
0340120	605A
0340150	605A
0360510	1227
0360680	1482
0360770	778A
0360800	1214
0360930	1488
0404011-001	9937
0404012-001	9949
0440002-003	128
0-450210-5	65101
0455000	289A
0510006	116
0510079	160
0510079H	160
0517022	109
0517132	177
0517133	177
0517550-3	116
0517750	116
0517750H	116
0517826	109
0517828	109
0517829	109
0518926	177
0525002	109
0525002H	109
0526224	109
0526232	177
0535001	109
0535005	109
0537640	116
0537820	109
0551029	166
0551029H	166
0552005	506
0552006	116
0552006H	116
0552007	506
0552007H	5809
0552010	116
0552010H	116
0563012H	102A
0570519	109
0572480	85
0573001	102A
0573001-14	102A
0573001H	102A
0573003	102A
0573003H	102A
0573004	102A
0573005	102A
0573005-14	102A
0573005H	102A
0573011	102A
0573012	102A
0573012H	102A
0573018	102A
0573018H	102A
0573022	102A
0573022H	102A
0573023	102A
0573023A	102A
0573023H	102A
0573024	102A
0573024-14	102A
0573025	102A
0573030	131
0573030-14	131
0573031	131MP
0573034	102A
0573036	102A
0573036H	102A
0573037	103A
0573037H	103A
0573040	121
0573055	158
0573056	102A
0573066	123A
0573103	102
0573114	102A
0573114H	102A
0573117	102A
0573117-14	102A
0573119	102A
0573125	102A
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¼LZ3.0D10	5004A
¼LZ3.3D	5005A
¼LZ3.3D5	5005A
¼LZ3.3D10	5005A
¼LZ3.6D	5006A
¼LZ3.6D5	5006A
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¼LZ3.9D	5007A
¼LZ3.9D5	5007A
¼LZ3.9D10	5007A
¼LZ4.3D	5008A
¼LZ4.3D5	5008A
¼LZ4.3D10	5008A
¼LZ4.7D	5009A
¼LZ4.7D5	5009A
¼LZ4.7D10	5009A
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¼LZ5.1D5	5010A
¼LZ5.1D10	5010A
¼LZ5.6D	5011A
¼LZ5.6D5	136A
¼LZ5.6D10	5011A
¼LZ6.2D	5013A
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¼LZ6.8D	5014A
¼LZ6.8D5	5014A
¼LZ6.8D10	5014A
¼M2.4AZ	5000A
¼M2.4AZ5	5000A
¼M2.4AZ10	5000A
¼M2.7AZ	5002A
¼M2.7AZ5	5002A
¼M2.7AZ10	5002A
¼M3.0AZ	5004A
¼M3.0AZ5	5004A
¼M3.0AZ10	5004A
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¼M3.6AZ10	5006A
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¼M3.9AZ5	5007A
¼M3.9AZ10	5007A
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¼M4.3AZ5	5008A
¼M4.3AZ10	5008A
¼M4.7AZ	5009A
¼M4.7AZ5	5009A
¼M4.7AZ10	5009A
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¼M5.1AZ1	5010T1
¼M5.1AZ2	5010T1
¼M5.1AZ5	5010A
¼M5.1AZ10	5010A
¼M5.6AZ	5011A
¼M5.6AZ1	5011T1
¼M5.6AZ2	5011T1
¼M5.6AZ5	5011A
¼M5.6AZ10	5011A
¼M6.2AZ	5013A
¼M6.2AZ1	5013T1
¼M6.2AZ2	5013T1
¼M6.2AZ5	5013A
¼M6.2AZ10	5013A
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¼M6.8AZ10	5014A
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¼M8.2Z10	5016A
¼M8.2Z	5016A
¼M9.1Z	5018A
¼M9.1Z5	5018A
¼M9.1Z10	5018A
¼M10Z	5019A
¼M10Z1	5019T1
¼M10Z2	5019T1
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¼M10Z10	5019A
¼M11Z	5020A
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¼Z7.5D10	5015A
¼Z8.2D	5016A
¼Z8.2D5	5016A
¼Z8.2D10	5016A
¼Z9.1D	5018A
¼Z9.1D5	5018A
¼Z9.1D10	5018A
¼Z10D	5019A
¼Z10D5	5019A
¼Z10D10	5019A
¼Z11D	5020A
¼Z11D5	5020A
¼Z11D10	5020A
¼Z12D	5021A
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¼Z36D10	5037A
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¼Z75D10	5046A
¼Z82D	5047A
¼Z82D5	5047A
¼Z82D10	5047A
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¼Z140D	5054A
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¼Z140D10	5054A
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¼Z160D5	5056A
¼Z160D10	5056A
¼Z180D	5058A
¼Z180D5	5058A
¼Z180D10	5058A
¼Z200D	5060A
¼Z200D5	5060A
¼Z200D10	5060A
¼Z220D	5029A
½Z3.3T5	5005A
½Z3.6T5	5006A
½Z3.9T5	5007A
½Z4.3T5	5008A
½Z4.7T5	5009A
½Z5.1T5	5010A
½Z5.6T5	5011A
½Z6.2T5	5013A
½Z6.8T5	5014A
½Z7.5T5	5015A
½Z8.2T5	5016A
½Z9.1T5	5018A
½Z10T5	5019A
½Z11T5	5020A
½Z12T5	5021A
½Z13T5	5022A
½Z15T5	5024A
½Z16T5	5025A
½Z18T5	5027A
½Z20T5	5029A
½Z22T5	5030A
½Z24T5	5031A
½Z27T5	5033A
½Z30T5	5035A
½Z33T5	5036A
½Z36T5	5037A
½Z39T5	5038A
½Z43T5	5039A
½Z47T5	5040A
½Z51T5	5041A
½Z56T5	5042A
½Z62T5	5044A
½Z68T5	5045A
½Z75T5	5046A
½Z82T5	5047A
½Z91T5	5049A
½Z100T5	5050A
¾Z12D5	142A
¾Z12D10	142A
.25N6.8	5014A
.25N7.5	5015A
.25N8.2	5016A
.25N9.1	5018A
.25N10	5019A
.25N11	5020A
.25N12	5021A
.25N13	5022A
.25N14	5023A
.25N15	5024A
.25N16	5025A
.25N17	5026A
.25N18	5027A
.25N19	5028A
.25N20	5029A
.25N22	5030A
.25N24	5031A
.25N25	5032A
.25N27	5033A
.25N30	5035A
.25N33	5036A
.25N36	5037A
.25N39	5038A
.25N43	5039A
.25N47	5040A
.25N50	5041A
.25N52	5041A
.25N56	5042A
.25N62	5044A
.25N68	5045A
.25N75	5046A
.25N82	5047A
.25N91	5049A
.25N100	5050A
.25N110	5051A
.25N120	5052A
.25N130	5053A
.25N140	5054A
.25N150	5055A
.25N200	5060A
.25T5.6	5011A
.25T5.6A	5011A
.25T5.6B	5011A
.25T6.2	5013A
.25T6.2A	5013A
.25T6.2B	5013A
.25T6.8	5014A
.25T6.8A	5014A
.25T6.8B	5014A
.25T7.5	5015A
.25T7.5A	5015A
.25T7.5B	5015A
.25T8.2	5016A
.25T8.2A	5016A
.25T8.2B	5016A
.25T8.7	5017A
.25T8.7A	5017A
.25T8.7B	5017A
.25T9.1	5018A
.25T9.1A	5018A
.25T9.1B	5018A
.25T10	5019A
.25T10A	5019A
.25T10B	5019A
.25T11	5020A
.25T11A	5020A
.25T11B	5020A
.25T12	5021A
.25T12A	5021A
.25T12B	5021A
.25T13	5022A
.25T13A	5022A
.25T13B	5022A
.25T14A	144A
.25T15	5024A
.25T15A	5024A
.25T15B	5024A
.25T16	5025A
.25T16A	5025A
.25T16B	5025A
.25T18	5027A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
.25T18A	.5027A
.25T18B	.5027A
.25T20	.5029A
.25T20A	.5029A
.25T20B	.5029A
.25T22	.5030A
.25T22A	.5030A
.25T22B	.5030A
.25T24	.5031A
.25T24A	.5031A
.25T24B	.5031A
.25T27	.5033A
.25T27A	.5033A
.25T27B	.5033A
.25T30	.5035A
.25T30A	.5035A
.25T30B	.5035A
.25T33	.5036A
.25T33A	.5036A
.25T33B	.5036A
.25T36	.5037A
.25T36A	.5037A
.25T36B	.5037A
.25T39	.5038A
.25T39A	.5038A
.25T39B	.5038A
.25T43	.5039A
.25T43A	.5039A
.25T43B	.5039A
.25T47	.5040A
.25T47A	.5040A
.25T47B	.5040A
.25T51	.5041A
.25T51A	.5041A
.25T51B	.5041A
.25T56	.5042A
.25T56A	.5042A
.25T56B	.5042A
.25T62	.5044A
.25T62A	.5044A
.25T62B	.5044A
.25T68	.5045A
.25T68A	.5045A
.25T69B	.5045A
.25T75	.5046A
.25T75A	.5046A
.25T75B	.5046A
.25T82	.5047A
.25T82A	.5047A
.25T82B	.5047A
.25T87	.5048A
.25T87A	.5048A
.25T87B	.5048A
.25T91	.5049A
.25T91A	.5049A
.25T91B	.5049A
.25T100	.5050A
.25T100A	.5050A
.25T100B	.5050A
.25T110	.5051A
.25T110A	.5051A
.25T110B	.5051A
.25T120	.5052A
.25T120A	.5052A
.25T120B	.5052A
.25T130	.5053A
.25T130A	.5053A
.25T130B	.5053A
.25T150	.5055A
.25T150A	.5055A
.25T150B	.5055A
.25T160	.5056A
.25T160A	.5056A
.25T160B	.5056A
.25T180	.5058A
.25T180A	.5058A
.25T180B	.5058A
.25T200	.5060A
.25T200A	.5060A
.25T200B	.5060A
.4M2.4AZ5	.5000A
.4M2.4AZ10	.5000A
.4M2.7AZ5	.5002A
.4M2.7AZ10	.5002A
.4M3.0AZ5	.5004A
.4M3.0AZ10	.5004A
.4M3.0ZA10	.5004A
.4M3.3AZ5	.5005A
.4M3.3AZ10	.5005A
.4M3.6AZ5	.5006A
.4M3.6AZ10	.5006A
.4M3.9AZ5	.5007A
.4M3.9AZ10	.5007A
.4M4.3AZ5	.5008A
.4M4.3AZ10	.5008A
.4M4.3Z5	.5008A
.4M4.7AZ5	.5009A
.4M4.7AZ10	.5009A
.4M5.1AZ1	.5010T1
.4M5.1AZ2	.5010T1
.4M5.1AZ5	.5010A
.4M5.1AZ10	.5010A
.4M5.6AZ1	.5011T1
.4M5.6AZ2	.5011T1
.4M5.6AZ5	.5011A
.4M5.6AZ10	.5011A
.4M6.2AZ1	.5013T1
.4M6.2AZ2	.5013T1
.4M6.2AZ5	.5013A
.4M6.2AZ10	.5013A
.4M6.8AZ5	.5014A
.4M6.8AZ10	.5014A
.4M6.8Z	.5014A
.4M6.8Z5	.5014A
.4M7.5AZ5	.5015A
.4M7.5AZ10	.5015A
.4M7.5Z	.5015A
.4M7.5Z5	.5015A
.4M8.2AZ5	.5016A
.4M8.2AZ10	.5016A
.4M8.2Z	.5016A
.4M8.2Z5	.5016A
.4M9.1AZ5	.5018A
.4M9.1AZ10	.5018A
.4M9.1Z	.5018A
.4M9.1Z5	.5018A
.4M10AZ1	.5019T1
.4M10AZ2	.5019T1
.4M10AZ5	.5019A
.4M10AZ10	.5019A
.4M10Z	.5019A
.4M10Z5	.5019A
.4M11Z	.5020A
.4M11Z5	.5020A
.4M12AZ1	.5021T1
.4M12AZ2	.5021T1
.4M12AZ5	.5021A
.4M12AZ10	.5021A
.4M12Z	.5021A
.4M12Z5	.5021A
.4M13Z	.5022A
.4M13Z5	.5022A
.4M15Z	.5024A
.4M15Z5	.5024A
.4M16Z	.5025A
.4M16Z5	.5075A
.4M18Z	.5027A
.4M18Z5	.5027A
.4M20Z	.5029A
.4M20Z5	.5029A
.4M22Z	.5030A
.4M22Z5	.5030A
.4M24Z	.5031A
.4M24Z5	.5031A
.4M27Z	.5033A
.4M27Z5	.5033A
.4M30Z	.5034A
.4M30Z5	.5035A
.4M33Z	.5036A
.4M33Z5	.5036A
.4M36Z	.5037A
.4M36Z5	.5037A
.4M39Z	.5038A
.4M39Z5	.5038A
.4M43Z	.5039A
.4M43Z5	.5039A
.4M47Z	.5040A
.4M47Z5	.5040A
.4M51Z	.5041A
.4M51Z5	.5041A
.4M56Z	.5042A
.4M56Z5	.5042A
.4M62Z	.5044A
.4M62Z5	.5044A
.4M68Z	.5045A
.4M68Z5	.5045A
.4M75Z	.5046A
.4M75Z5	.5046A
.4M82Z	.5047A
.4M82Z5	.5047A
.4M91Z	.5049A
.4M91Z5	.5049A
.4M100Z	.5050A
.4M100Z5	.5050A
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.4M110Z5	.5051A
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.4M130Z	.5053A
.4M130Z5	.5053A
.4M150Z	.5055A
.4M150Z5	.5055A
.4M160Z	.5056A
.4M160Z5	.5056A
.4M180Z	.5058A
.4M180Z5	.5058A
.4M200Z	.5060A
.4M200Z5	.5060A
.4T5.6	.5011A
.4T5.6A	.5011A
.4T5.6B	.5011A
.4T6.2	.5013A
.4T6.2A	.5013A
.4T6.2B	.5013A
.4T6.8	.5014A
.4T6.8A	.5014A
.4T6.8B	.5014A
.4T7.5	.5015A
.4T7.5A	.5015A
.4T7.5B	.5015A
.4T8.2	.5016A
.4T8.2A	.5016A
.4T8.2B	.5016A
.4T9.1	.5018A
.4T9.1A	.5018A
.4T9.1B	.5018A
.4T10	.5019A
.4T10A	.5019A
.4T10B	.5012A
.4T11	.5020A
.4T11A	.5020A
.4T11B	.5020A
.4T12	.5021A
.4T12A	.5021A
.4T12B	.5021A
.4T13	.5022A
.4T13A	.5022A
.4T13B	.5022A
.4T15	.5024A
.4T15A	.5024A
.4T15B	.5024A
.4T16	.5025A
.4T16A	.5025A
.4T16B	.5025A
.4T18	.5027A
.4T18A	.5027A
.4T18B	.5027A
.4T20	.5029A
.4T20A	.5029A
.4T20B	.5029A
.4T22	.5030A
.4T22A	.5030A
.4T22B	.5030A
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1-21-107	102A
1-21-120	102A
1-21-128	100
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1-21-137	160
1-21-138	126A
1-21-139	160
1-21-148	102A
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1-21-157	160
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1-21-186	100
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1-21-225	102A
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1EZ91D5	5095A
1EZ91D10	5095A
1EZ100D	5096A
1EZ100D5	5096A
1EZ100D10	5096A
1EZ110D	151A
1EZ110D5	151A
1EZ110D10	151A
1EZ120D	5097A
1EZ120D5	5097A
1EZ120D10	5097A
1EZ130D	5098A
1EZ130D5	5098A
1EZ130D10	5098A
1EZ140D	5099A
1EZ140D5	5099A
1EZ140D10	5099A
1EZ150D	5100A
1EZ150D5	5100A
1EZ150D10	5100A
1EZ160D	5101A
1EZ160D5	5101A
1EZ160D10	5101A
1EZ170D	5102A
1EZ170D5	5102A
1EZ170D10	5102A
1EZ180D	5103A
1EZ180D5	5103A
1EZ180D10	5103A
1EZ190D	5104A
1EZ190D5	5104A
1EZ190D10	5104A
1EZ200D	5105A
1EZ200D5	5105A
1EZ200D10	5105A
1F00001	312
1F00004	177
1F0004	109
1F0006	519
1F0007	519
1F00010	137A
1F00012	5081A
1F00013	177
1F00017	138A
1F00019	139A
1F00028	5080A
1F00030	137A
1F00032	137A
1F00035	143A
1F00037	142A
1F00042	136A
1F00043	5071A
1F00046	177
1F00060	109
1F00063	5080A
1F00065	5025A
1F00078	145A
1F00085	5074A
1F00086	5011A
1F00088	135A
1F05	116
1F1	587
1F2	587
1F3	587
1F8	125
1F14A	116
1F98001	138A
1FM2	116
1FWJ42	585
1FWJ43	585
1G001240	4011B
1G002380	4023B
1G02	109
1G028200	1327
1G028500	1150
1G038300	1337
1G2C1	116
1G2Z1	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1G4B1	5304
1G4B41	168
1G4B42	5332
1G8	125
1G100	105
1GA	116
1GD2	109
1GD2H	109
1GD4	109
1GD6	109
1GH62	552
1GU42	552◆
1GWJ42	585
1GWJ43	585
1GZ61	116
1H00001	519
1H00003	116
1H00004	116
1H00005	156(2)
1H00006	116
1H00013	156(2)
1H00014	116
1H00015	116
1H00016	116(4)
1H00024	116
1H00031	5883
1H00036	5882
1H00039	5324
1H00049	116
1H00052	6026
1H98002	156
1H98003	116(4)
1H98004	116
1H98005	109
1HN60P	110MP
1HY40	116
1HY50	116
1HY80	125
1HY100	125
1J1	123A
1J1ST	451
1J4B1	5305
1J4B41	169
1J4B42	5332
1JH62	552
1JU42	552◆
1JX61	116
1JZ6	116
1JZ61	125
1K2	5802
1K34A	109
1K34A-TA	109
1K60	110A
1K60A	110A
1K60P	110A
1K60R	110A
1K60RF	110A
1K110	109
1K188	110A
1K188FH	110A
1K261	110A
1K261FU	110A
1K261UE	110A
1KAB10	5304◆
1KAB20	5304◆
1KAB40	5304
1KAB60	5305
1KAB80	5306
1KAB100	5307
1L5.6U	5011A
1L74	3084
1L201	3041
1L202	3041
1L-250	3089
1L501	3041
1L505	3041
1L512	3041
1L530	3084◆
1L555	3083◆
1LA30	3084
1LA55	3083
1LCA2-30	3084◆
1LCA2-55	3083◆
1LCA230	3084◆
1LCA255	3083◆
1L-CT6	3086
1LD74	3086
1LD-506	3086
1LE11	156
1LF11	156
1LZ61	125
1M3.3AZ3	5066A◆
1M3.3AZ5	5066A
1M3.3AZ10	5066A
1M3.3Z	5066A
1M3.3Z5	5066A
1M3.3Z10	5066A
1M3.3ZS5	5066A
1M3.3ZS10	5066A
1M3.6AZ3	134A◆
1M3.6Z	134A
1M3.6Z5	134A
1M3.6Z10	134A
1M3.6ZS	134A
1M3.6ZS5	134A
1M3.6ZS10	134A
1M3.9Z	5067A
1M3.9Z5	5067A
1M3.9Z10	5067A
1M3.9ZS5	5067A
1M3.9ZS10	5067A
1M4.3AZ5	5068A
1M4.3Z	5068A
1M4.3Z5	5068A
1M4.3Z10	5068A
1M4.3ZS5	5068A
1M4.3ZS10	5068A
1M4.7Z	5069A
1M4.7Z5	5069A
1M4.7Z10	5069A
1M4.7ZS5	5069A
1M4.7ZS10	5069A
1M5.1AZ3	135A◆
1M5.1AZ5	135A
1M5.1Z	135A
1M5.1Z5	135A
1M5.1Z10	135A
1M5.1ZS5	135A
1M5.1ZS10	135A
1M5.6AZ5	136A
1M5.6Z	136A
1M5.6Z5	136A
1M5.6Z10	136A
1M5.6ZS5	136A
1M5.6ZS10	136A
1M6.2AZ5	137A
1M6.2Z	137A
1M6.2Z5	137A
1M6.2Z10	137A
1M6.2ZS5	137A
1M6.2ZS10	137A
1M6.8AZ5	5071A
1M6.8Z	5071A
1M6.8Z5	5071A
1M6.8Z10	5071A
1M6.8ZS5	5071A
1M6.8ZS10	5071A
1M7.5AZ5	138A
1M7.5Z	138A
1M7.5Z5	138A
1M7.5Z10	138A
1M7.5ZS5	138A
1M7.5ZS10	138A
1M8.2Z	5072A
1M8.2Z5	5072A
1M8.2Z10	5072A
1M8.2ZS5	5072A
1M8.2ZS10	5072A
1M9.1Z	139A
1M9.1Z5	139A
1M9.1Z10	139A
1M9.1ZS5	139A
1M9.1ZS10	139A
1M10Z	140A
1M10Z5	140A
1M10Z10	140A
1M10ZS5	140A
1M10ZS10	140A
1M11Z	5074A
1M11Z5	5074A
1M11Z10	5074A
1M11ZS5	5074A
1M11ZS10	5074A
1M12Z	142A
1M12Z5	142A
1M12Z10	142A
1M12ZS5	142A
1M12ZS10	142A
1M13Z	143A
1M13Z5	143A
1M13Z10	143A
1M13ZS5	143A
1M13ZS10	143A
1M14Z	144A
1M14Z5	144A
1M14Z10	144A
1M14ZS5	144A
1M14ZS10	144A
1M15Z	145A
1M15Z5	145A
1M15Z10	145A
1M15ZS5	145A
1M15ZS10	145A
1M16Z	5075A
1M16Z5	5075A
1M16Z10	5075A
1M16ZS5	5075A
1M16ZS10	5075A
1M17Z	5076A
1M17Z5	5076A
1M17Z10	5076A
1M17ZS5	5076A
1M17ZS10	5076A
1M18Z	5077A
1M18Z5	5077A
1M18Z10	5077A
1M18ZS5	5077A
1M18ZS10	5077A
1M19Z	5078A
1M19Z5	5078A
1M19Z10	5078A
1M19ZS5	5078A
1M19ZS10	5078A
1M20Z	5079A
1M20Z3	5079A◆
1M20Z5	5079A
1M20Z10	5079A
1M20ZS5	5097A
1M20ZS10	5079A
1M22Z	5080A
1M22Z5	5080A
1M22Z10	5080A
1M22ZS5	5080A
1M22ZS10	5080A
1M24Z	5081A
1M24Z5	5081A
1M24Z10	5081A
1M24ZS5	5081A
1M24ZS10	5081A
1M25Z	5082A
1M25Z5	5082A
1M25Z10	5082A
1M25ZS5	5082A
1M25ZS10	5082A
1M27Z	146A
1M27Z5	146A
1M27Z10	146A
1M27ZS5	146A
1M27ZS10	146A
1M28-6-Z-55	146A
1M30Z	5084A
1M30Z5	5084A
1M30Z10	5084A
1M30ZS5	5084A
1M30ZS10	5084A
1M33Z	147A
1M33Z5	147A
1M33Z10	147A
1M33ZS5	147A
1M33ZS10	147A
1M36Z	5085A
1M36Z5	5085A
1M36Z10	5085A
1M36ZS5	5085A
1M36ZS10	5085A
1M39Z	5086A
1M39Z5	5086A
1M39Z10	5086A
1M39ZS5	5086A
1M39ZS10	5086A
1M43Z	5087A
1M43Z5	5087A
1M43Z10	5087A
1M43ZS5	5087A
1M43ZS10	5087A
1M47Z	5088A
1M47Z5	5088A
1M47Z10	5088A
1M47ZS5	5088A
1M47ZS10	5088A
1M51Z	5089A
1M51Z5	5089A
1M51Z10	5089A
1M51ZS5	5089A
1M51ZS10	5089A
1M56Z	5090A
1M56Z5	5090A
1M56Z10	5090A
1M56ZS5	5090A
1M56ZS10	5090A
1M62Z	149A
1M62Z5	149A
1M62Z10	149A
1M62ZS5	149A
1M62ZS10	149A
1M68Z	5092A
1M68Z3	5092A◆
1M68Z5	5092A
1M68Z10	5092A
1M68ZS5	5092A
1M68ZS10	5092A
1M75Z	5093A
1M75Z3	5093A◆
1M75Z5	5093A
1M75Z10	5093A
1M75ZS5	5093A
1M75ZS10	5093A
1M82Z	150A
1M82Z5	150A
1M82Z10	150A
1M82ZS5	150A
1M82ZS10	150A
1M91Z	5095A
1M91Z3	5095A◆
1M91Z5	5095A
1M91Z10	5095A
1M91ZS5	5095A
1M91ZS10	5095A
1M100Z	5096A
1M100Z5	5096A
1M100Z10	5096A
1M100ZS5	5096A
1M100ZS10	5096A
1M110Z	151A
1M110Z3	151A◆
1M110Z5	151A
1M110Z10	151A
1M110ZS5	151A
1M110ZS10	151A
1M120Z	5097A
1M120Z3	5097A◆
1M120Z5	5097A
1M120Z10	5097A
1M120ZS5	5097A
1M120ZS10	5097A
1M130Z	5098A
1M130Z3	5098A◆
1M130Z5	5098A
1M130Z10	5098A
1M130ZS5	5098A
1M130ZS10	5098A
1M140Z	5099A
1M140Z5	5099A
1M140Z10	5099A
1M140ZS5	5099A
1M140ZS10	5099A
1M150Z	5100A
1M150Z3	5100A◆
1M150Z5	5100A
1M150Z10	5100A
1M150ZS5	5100A
1M150ZS10	5100A
1M160Z	5101A
1M160Z3	5101A◆
1M160Z5	5101A
1M160Z10	5101A
1M160ZS5	5101A
1M160ZS10	5101A
1M180Z	5103A
1M180Z3	5103A◆
1M180Z5	5103A
1M180Z10	5103A
1M180ZS5	5103A
1M180ZS10	5103A
1M200Z	5105A
1M200Z3	5105A◆
1M200Z5	5105A
1M200Z10	5105A
1M200ZS5	5105A
1M200ZS10	5105A
1M753A	137A
1M5600	74S188
1M5600CDE	74S188
1M5600CJE	74S188
1M5600CPE	74S188
1M5603	74S387
1M5603CDE	74S387
1M5603CJE	74S387
1M5603CPE	74S387
1M5604	74S570
1M5604CDE	74S570
1M5604CJE	74S570
1M5604CPE	74S570
1M5605	74S475
1M5605CDG	74S475
1M5605CJG	74S475
1M5606	74S572
1M5606CDN	74S572
1M5606CJN	74S572
1M5610	74S288
1M5610CDE	74S288
1M5610CJE	74S288
1M5610CPE	74S288
1M5623	74S287
1M5623CDE	74S287
1M5623CJE	74S287
1M5623CPE	74S287
1M5624	74S571
1M5624CDE	74S571
1M5624CJE	74S571
1M5624CPE	74S571
1M5625	74S474
1M5625CDG	74S474
1M5625CJG	74S474
1M5626CDN	74S573
1M5626CJN	74S573
1M8513A	116
1MZ10	5075A
1MZ110Z5	151A
1N1A13MA	143A
1N7O1	140A
1N10	109
1N10D-4F	116
1N21A	1N416C
1N21B	1N416C
1N21C	1N416C
1N21D	1N416E
1N21E	1N416E
1N21WE	1N416E
1N22	110A
1N23A	1N415C
1N23B	1N415C
1N23C	1N415C
1N23D	1N415E
1N23E	1N415E
1N23WE	1N415E
1N25A	177
1N31A	109
1N34	109
1N34(TV)	109
1N34A	109
1N34A(MP)	110MP
1N34AM	109
1N34AS	109
1N34A-T	109
1N34A-TFI	109
1N34A-Z	109
1N34G	109
1N34GA	109
1N34M	110MP
1N34R	109
1N35	109
1N36	109
1N38	109
1N38A	109◆
1N38B	109◆
1N40	110A
1N41	110A
1N43	109
1N44	109◆
1N45	109
1N45A	109
1N46	109
1N46A	109
1N47	109◆
1N48	109
1N48A	109
1N50	109
1N51	109
1N52	109
1N52A	109
1N54	109
1N54A	109
1N54G	109
1N54GA	109
1N56	109
1N56A	109
1N57	109
1N57A	109
1N58	109◆
1N58A	109◆
1N60	110A
1N60/0112-0028-6438	110A
1N60-5	110MP
1N60/3490	110A
1N60/4454C	110A
1N60/7825B	110MP
1N60(TV)	110A
1N60(TV)(FA-1)	110A
1N60A	110A
1N60AM	110A
1N60C	110A
1N60C1	110A
1N60D	110A
1N60F	110A
1N60FD1	110A
1N60FM	110A
1N60FM1	110A
1N60FMX	110A
1N60G	110A
1N60GA	110A
1N60GB	110A
1N60M	110A
1N60-M3	110A
1N60MP	110MP
1N60-MPX-B	110A
1N60N	110A
1N60NMP	110MP
1N60P	110A
1N60P-1	110MP(6)
1N60S	110A
1N60SD60	110A
1N60-T	110A
1N60-TF1	110A
1N60-TFI	110A
1N60TFI	110A
1N60TV	110A
1N60TVGL	110A
1N60TV-TDGL	110A
1N60TV-TPGL	110A
1N60-Z	110A
1N62	109◆
1N63	109
1N63A	109
1N64	110A
1N64A	110A
1N64B	110A
1N64G	110A
1N64GA	110A
1N65	109
1N65A	109
1N66	109
1N66A	109
1N67	109
1N67A	109
1N68	109
1N68A	109
1N69	109
1N69A	109
1N70	109◆
1N70A	109◆
1N71	110A
1N72	109
1N72G	109
1N73	109
1N74	109
1N75A	109◆
1N76	110A
1N76A	110A
1N76C	110A
1N76G	110A
1N81	109
1N81A	109
1N82	112
1N82A	112
1N82AG	112
1N82D	112
1N82G	112
1N84	109
1N86	109
1N86AG	109
1N87	110A
1N87A	110A
1N87G	110A
1N87GA	110A
1N87S	110A
1N87T	110A
1N88	109
1N89	109
1N90	109
1N90G	109
1N90GA	109
1N91	116
1N92	116
1N93	116
1N93A	116
1N95	109
1N96	109
1N96A	109
1N97	109
1N97A	109
1N98	109
1N98A	109
1N99	109◆
1N99A	109◆
1N100	109
1N100A	109
1N103	110A
1N104	110A
1N107	110A
1N108	109
1N109	110A
1N110	112
1N111	109
1N112	109
1N113	109
1N114	109
1N115	109
1N116	109
1N116A	109
1N117	109
1N117A	109
1N118	109
1N118A	109
1N119	109
1N119A	109
1N120	109
1N120A	109
1N124	112
1N124A	112
1N125	109
1N126	109
1N126A	109
1N128	110A
1N128A	110A
1N132	110A
1N133	110A
1N134	109
1N135	177
1N137A	177
1N137B	177
1N138	177
1N138A	177
1N138B	177
1N139	110A
1N140	109
1N142	109
1N143	109
1N144	110A
1N145	110A
1N147	112
1N147A	112
1N148	109
1N151	116
1N152	116
1N153	116
1N158	116
1N169	116
1N172	112
1N173	112
1N191	109
1N192	109
1N193	177
1N194	519
1N194A	177
1N195	177
1N196	177
1N198	109
1N198A	109
1N198B	109
1N200	177
1N201	178MP
1N202	177
1N203	177
1N203CA	140A
1N204	177
1N204-2	5179A
1N205	177
1N206	178MP
1N207	178MP
1N208	177
1N209	178MP
1N210	177
1N211	177
1N212	177
1N213	177
1N214	177
1N215	5862
1N216	177
1N217	177
1N218	177
1N248	5980
1N248A	5980
1N248AR	5981
1N248B	5980
1N248BR	5981
1N248C	5986
1N248CR	5987
1N248R	5981
1N248RC	5981
1N249	5986
1N249A	5982
1N249AR	5983
1N249B	5982
1N249BR	5983
1N249C	5982
1N249CR	5983
1N249R	5987
1N250	5944
1N250A	5986
1N250AR	5987
1N250B	5986
1N250BR	5987
1N250C	5990
1N250CR	5991
1N250R	5945
1N250RA	5987
1N250RB	5987
1N250RC	5991
1N251	177
1N251A	177
1N252	177
1N252A	177
1N253	5834
1N254	5834
1N255	5838
1N256	5842
1N265	109
1N266	109
1N267	110A
1N268	110A
1N270	109
1N273	110A
1N276	109
1N277	109
1N278	110A
1N279	110A
1N281	109
1N282	110A
1N283	110A
1N285	110A
1N287	109
1N288	109
1N289	109
1N290	109◆
1N292	109
1N294	109
1N294A	109
1N295	110A
1N295A	110A
1N296S	110A
1N295X	110A
1N296	110A
1N297	109
1N297A	109
1N298	109
1N298A	109
1N299	112
1N299B	112
1N300	177
1N300A	177
1N300B	177
1N301	177
1N301A	177
1N301B	177
1N303	177
1N303A	177
1N303B	177
1N304	109
1N305	109
1N306	109
1N307	109◆
1N308	110A
1N309	110A
1N310	109◆
1N312	109
1N314	109
1N315	116
1N315A	116
1N316	116
1N316A	116
1N317	116
1N317A	116
1N318	116
1N318A	116
1N319	116
1N319A	116
1N320	116
1N320A	116
1N321	116
1N321A	125
1N322	125
1N322A	125
1N323	116
1N323A	116
1N324	116
1N324A	116
1N325	116
1N325A	116
1N326	116
1N326A	116
1N327	116
1N327A	116
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1N1062R	5859
1N1063	5858
1N1063R	5859
1N1064	5850
1N1064R	5851
1N1065	5854
1N1065R	5855
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1N1067	5854
1N1068	5858
1N1078	5944
1N1080	5948
1N1081	116
1N1081A	116
1N1082	116
1N1083	116
1N1084	116
1N1093	110A
1N1095	116
1N1096	116
1N1100	116
1N1101	116
1N1102	116
1N1103	116
1N1104	116
1N1104R	5987
1N1105	116
1N1115	5834
1N1115R	5835
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1N1118	5838
1N1118R	5839
1N1119	5842
1N1119R	5843
1N1120	5842
1N1120R	5843
1N1122A	116
1N1124	5834
1N1124A	5858
1N1124AR	5855
1N1124R	5835
1N1124RA	5859
1N1125	5838
1N1125A	5858
1N1125AR	5859
1N1125R	5839
1N1125RA	5859
1N1126	5838
1N1126A	5862
1N1126AR	5859
1N1126R	5839
1N1126RA	5863
1N1127	5842
1N1127A	5862
1N1127AR	5863
1N1127R	5843
1N1127RA	5863
1N1128	5842
1N1128A	5866
1N1128AR	5863
1N1128R	5843
1N1128RA	5867
1N1169	116
1N1169A	116
1N1183	5980
1N1183A	5980
1N1183AR	5981
1N1183R	5981
1N1183RA	5981
1N1183T	5980
1N1183TM	5980
1N1183TMR	5981
1N1183TR	5981
1N1184	5982
1N1184A	5982
1N1184AR	5987
1N1184R	5983
1N1184RA	5987
1N1184T	5982
1N1184TM	5982
1N1184TMR	5983
1N1184TR	5983
1N1185	5986
1N1185A	5986
1N1185AR	5987

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N1185R	5987
1N1185RA	5987
1N1186	5986
1N1186A	5986
1N1186AR	5987
1N1186R	5987
1N1186RA	5987
1N1186T	5986
1N1186TM	5986
1N1186TMR	5987
1N1186TR	5987
1N1187	5990
1N1187A	5988
1N1187AR	5991
1N1187R	5989
1N1187RA	5989
1N1187T	5988
1N1187TM	5988
1N1187TMR	5989
1N1187TR	5989
1N1188	5990
1N1188A	5990
1N1188AR	5991
1N1188R	5991
1N1188RA	5991
1N1188T	5990
1N1188TM	5990
1N1188TMR	5991
1N1188TR	5991
1N1189	5992
1N1189A	5992
1N1189AR	5995
1N1189R	5993
1N1189RA	5993
1N1189T	5992
1N1189TM	5992
1N1189TMR	5993
1N1189TR	5993
1N1190	5994
1N1190A	5994
1N1190AR	5995
1N1190R	5995
1N1190RA	5995
1N1190T	5994
1N1190TM	5994
1N1190TMR	5595
1N1190TR	5995
1N1191	5980
1N1191A	5980
1N1191AR	5981
1N1191R	5981
1N1191RA	5981
1N1192	5982
1N1192A	5982
1N1192AR	5987
1N1192R	5983
1N1192RA	5987
1N1193	5986
1N1193A	5986
1N1193AR	5987
1N1193R	5987
1N1193RA	5987
1N1194	5986
1N1194A	5986
1N1194AR	5987
1N1194R	5987
1N1194RA	5987
1N1195	5988
1N1195A	5988
1N1195AR	5991
1N1195R	5989
1N1195RA	5991
1N1196	5990
1N1196A	5990
1N1196AR	5991
1N1196R	5991
1N1196RA	5991
1N1197	5992
1N1197A	5992
1N1197AR	5995
1N1197R	5993
1N1197RA	5995
1N1198	5994
1N1198A	5994
1N1198AR	5995
1N1198R	5995
1N1198RA	5995
1N1199	5870
1N1199A	5870
1N1199AR	5871
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1N1200B	5874
1N1200BR	5875
1N1200R	5875
1N1200RA	5875
1N1200RB	5875
1N1201	5874
1N1201A	5874
1N1201AR	5875
1N1201B	5874
1N1201BR	5875
1N1201R	5875
1N1201RA	5875
1N1201RB	5875
1N1202	5874
1N1202A	5874
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1N1204AR	5879
1N1204B	5878
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1N1204R	5879
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1N1205AR	5883
1N1205B	5882
1N1205BR	5883
1N1205R	5883
1N1205RA	5883
1N1205RB	5883
1N1206	5882
1N1206A	5882
1N1206AR	5883
1N1206B	5882
1N1206BR	5883
1N1206R	5883
1N1206RA	5883
1N1206RB	5883
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1N1217B	5800
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1N1218A	5801
1N1218B	5801
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1N1219B	5802
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1N1222	5804
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1N1222B	5809
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1N1223B	5806
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1N1224B	5806
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1N1225A	125
1N1225B	156
1N1226	125
1N1226A	125
1N1226B	156
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1N1227B	5830
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1N1227RB	5831
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1N1228B	5834
1N1228BR	5835
1N1228R	5835
1N1228RA	5835
1N1228RB	5835
1N1229	5834
1N1229A	5834
1N1229B	5834
1N1229R	5835
1N1229RA	5835
1N1229RB	5835
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1N1231AR	5839
1N1231B	5838
1N1231BR	5839
1N1231R	5839
1N1231RA	5839
1N1231RB	5839
1N1232	5838
1N1232A	5838
1N1232AR	5839
1N1232B	5838
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1N1232R	5839
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1N1233AR	5843
1N1233B	5842
1N1233BR	5843
1N1233R	5843
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1N1234A	5842
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1N1251	116
1N1252	116
1N1253	116
1N1254	116
1N1254(West)	5980
1N1255	116
1N1255(WEST)	5982
1N1255A	116
1N1256	116
1N1256(West)	5986
1N1257	116
1N1257(WEST)	5988
1N1258	125
1N1258(West)	5990
1N1259	125
1N1259(WEST)	5992
1N1260	125
1N1260(West)	5994
1N1261	125
1N1301	5980
1N1302	5982
1N1304	5986
1N1306	5988
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1N1315A	5022A
1N1316	5025A
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1N1317A	5028A
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1N1318A	5031A
1N1319	5034A
1N1319A	5034A
1N1320	5036A
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1N1322A	5040A
1N1323	5043A
1N1323A	5043A
1N1325	5048A
1N1325A	5048A
1N1327	5053A
1N1327A	5053A
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1N1341A	5850
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1N1341B	5850
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1N1342B	5854
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1N1343B	5854
1N1343BR	5855
1N1343R	5855
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1N1344B	5854
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1N1345B	5858
1N1345BR	5859
1N1345R	5859
1N1345RA	5859
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1N1346A	5858
1N1346AR	5859
1N1346B	5858
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1N1346R	5859
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1N1347A	5862
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1N1347B	5863
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1N1347R	5863
1N1347RA	5863
1N1347RB	5863
1N1348	5862
1N1348A	5862
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1N1348B	5862
1N1348BR	5863
1N1348R	5863
1N1348RA	5863
1N1348RB	5863
1N1351	5186A
1N1351A	5186A
1N1351B	5186A
1N1351C	5186A
1N1351R	5186AK
1N1351RA	5186AK
1N1351RB	5186AK
1N1352	5187A
1N1352A	5187A
1N1352B	5187A
1N1352C	5187A
1N1352R	5187AK
1N1352RA	5187AK
1N1352RB	5187AK
1N1353	5188A
1N1353A	5188A
1N1353B	5188A
1N1353C	5188A
1N1353R	5188AK
1N1353RA	5188AK
1N1353RB	5188AK
1N1354	5189A
1N1354A	5189A
1N1354B	5189A
1N1354C	5189A
1N1354R	5189AK
1N1354RA	5189AK
1N1354RB	5189AK
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1N1355A	5191A
1N1355B	5191A
1N1355C	5191A
1N1355R	5191AK
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1N1355RB	5191AK
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1N1356B	5192A
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1N1356R	5192AK
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1N1357	5194A
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1N1357B	5194A
1N1357R	5194AK
1N1357RA	5194AK
1N1357RB	5194AK
1N1358	5196A
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1N1358B	5196A
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1N1362A	5202A
1N1362B	5202A
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1N1362RB	5202AK
1N1363	5203A
1N1363A	5203A
1N1363B	5203A
1N1363R	5203AK
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1N1373A	5217A
1N1373B	5217A
1N1373R	5217AK
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1N1373RB	5217AK
1N1374	5219A
1N1374A	5219A
1N1374B	5219A
1N1374R	5219AK
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1N1374RB	5219AK
1N1375	5220A
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1N1402	6156
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1N1431	5092A
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1N1516	5080A
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1N1526	5077A
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1N1527	5080A
1N1527A	5080A
1N1528	146A
1N1528A	146A
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1N1544	5842
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1N1558	5804
1N1559	5804
1N1560	5806
1N1561	110A
1N1562	109
1N1563	5801
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1N1564	5802
1N1564A	116
1N1565	5804
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1N1566	5804
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1N1567	5806
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1N1584	5838
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1N1585	5838
1N1585R	5839
1N1586	5842
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1N1587	5842
1N1587R	5843
1N1588	5174AK
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1N1589	5176AK
1N1589A	5176AK
1N1590	5178AK
1N1590A	5178AK
1N1591	5181AK
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1N1592	5183AK
1N1592A	5183AK
1N1593	5186AK
1N1593A	5186AK
1N1594	5188AK
1N1594A	5188AK
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1N2230A	5854
1N2230R	5855
1N2230RA	5855
1N2231	5854◆
1N2231A	5854
1N2231R	5855
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1N2232	5858
1N2232A	5858
1N2232R	5859
1N2232RA	5859
1N2233	5858◆
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1N2233R	5859
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1N2234R	5859
1N2234RA	5859
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1N2236	5862
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1N2236R	5863
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1N2237R	5863
1N2237RA	5863
1N2238	5862
1N2238A	5862
1N2238R	5863
1N2238RA	5863
1N2239R	5863
1N2239RA	5863
1N2240	5866
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1N2240R	5867
1N2240RA	5867
1N2241R	5867
1N2241RA	5867
1N2242	5868
1N2242A	5868
1N2242R	5869
1N2242RA	5869
1N2243R	5869
1N2243RA	5869
1N2246	5870
1N2246A	5870
1N2246R	5871
1N2246RA	5871
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1N2248A	5874
1N2248R	5875
1N2248RA	5875
1N2249R	5875
1N2249RA	5875
1N2250	5874
1N2250A	5874
1N2250R	5875
1N2250RA	5875
1N2251R	5875
1N2251RA	5875
1N2252	5878
1N2252A	5878
1N2252R	5879
1N2252RA	5879
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1N2253RA	5879
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1N2255RA	5879
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1N2257RA	5883
1N2258	5882
1N2258A	5882
1N2258R	5883
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1N2259R	5883
1N2259RA	5883
1N2260	5886
1N2260A	5886
1N2260R	5887
1N2260RA	5887
1N2261R	5887
1N2261RA	5887
1N2262	5890
1N2262A	5890
1N2262R	5891
1N2262RA	5891
1N2263R	5891
1N2263RA	5891
1N2266	5830
1N2266R	5831
1N2268	5842
1N2268R	5843
1N2270	5842
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1N2273	5944
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1N2274	5944
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1N2275	5948
1N2275R	5949
1N2276	5948
1N2276R	5949
1N2277	5952
1N2277R	5953
1N2278	5952
1N2278R	5953
1N2279	5998
1N2279R	5999
1N2280	6002
1N2280R	6003
1N2282	5988
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1N2285	5994
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1N2287	6002
1N2287R	6003
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1N2290	5830
1N2290A	5830
1N2290RA	5831
1N2291A	5838
1N2291AR	5839
1N2291R	5839
1N2291RA	5839
1N2292A	5838
1N2292AR	5839
1N2292R	5839
1N2292RA	5839
1N2293A	5838
1N2293AR	5839
1N2293R	5839
1N2293RA	5839
1N2323	116
1N2326	OBS-NLA
1N2327	506
1N2348	5830
1N2348R	5831
1N2349	5834
1N2349R	5835
1N2350	5834
1N2350R	5835
1N2357	506
1N2372	5848
1N2373	125
1N2374	125
1N2387	5084A
1N2390	5800
1N2391	5801
1N2392	5802
1N2393	5804
1N2394	5804
1N2395	5806
1N2396	5806
1N2397	5808
1N2398	5808
1N2399	5800
1N2400	5801
1N2401	5802
1N2402	5804
1N2403	5804
1N2404	5806
1N2405	5806
1N2406	5808
1N2407	5808
1N2408	5800
1N2409	5801
1N2410	5802
1N2411	5804
1N2412	5804
1N2413	5806
1N2414	5806
1N2415	5808
1N2416	5808
1N2426	6154
1N2426R	6155
1N2427	6154
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1N2428	6154
1N2428R	6155
1N2429	6154
1N2429R	6155
1N2430	6154
1N2430R	6155
1N2431	6154
1N2431R	6155
1N2432	6154
1N2432R	6155
1N2433	6154
1N2433R	6155
1N2434	6156
1N2434R	6157
1N2435	6156
1N2435R	6157
1N2436	6154
1N2436R	6155
1N2437	6154
1N2437R	6155
1N2438	6154
1N2438R	6155
1N2439	6154
1N2439R	6155
1N2440	6154
1N2440R	6155
1N2441	6154
1N2441R	6155
1N2442	6154
1N2442R	6155
1N2443	6154
1N2443R	6155
1N2444	6156

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N2444R	6157
1N2445	6156
1N2445R	6157
1N2446	6020
1N2446R	6021
1N2447	6022
1N2447R	6023
1N2448	6026
1N2448R	6027
1N2449	6026
1N2450	6034
1N2450R	6035
1N2451	6034
1N2451R	6035
1N2452	6034
1N2452R	6035
1N2453	6034
1N2453R	6035
1N2454	6040
1N2454R	6041
1N2455	6040
1N2455R	6041
1N2456	6042
1N2456R	6043
1N2457	6042
1N2457R	6043
1N2458	6020
1N2458R	6021
1N2459	6022
1N2459R	6023
1N2460	6026
1N2460R	6027
1N2461	6026
1N2461R	6027
1N2462	6034
1N2462R	6035
1N2463	6034
1N2463R	6035
1N2464	6034
1N2464R	6035
1N2465	6034
1N2465R	6035
1N2466	6040
1N2466R	6041
1N2467	6040
1N2467R	6041
1N2468	6042
1N2468R	6043
1N2469	6042
1N2469R	6043
1N2473	177
1N2482	116
1N2483	116
1N2484	116
1N2485	116
1N2486	116
1N2487	116
1N2488	116
1N2489	116
1N2491	5850
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1N2492R	5855
1N2493	5854
1N2493R	5855
1N2494	5858
1N2494R	5859
1N2495	5858
1N2495R	5859
1N2496	5862
1N2496R	5863
1N2497	5862
1N2497R	5863
1N2498	5186A
1N2498A	5186A
1N2498R	5186AK
1N2498RA	5186AK
1N2499	5187A
1N2499A	5187A
1N2499AR	5187AK
1N2499R	5187AK
1N2499RA	5187AK
1N2500	5188A
1N2500A	5188A
1N2500AR	5188AK
1N2500R	5188AK
1N2500RA	5188AK
1N2501	525
1N2502	525
1N2503	525
1N2504	525
1N2505	525
1N2506	525
1N2507	525
1N2508	525
1N2512	5834
1N2512R	5835
1N2513	5834
1N2513R	5835
1N2514	5838
1N2514R	5839
1N2515	5838
1N2515R	5839
1N2516	5842
1N2516R	5843
1N2517	5842
1N2517R	5843
1N2519	5834◆
1N2520	5838◆
1N2521	5838◆
1N2522	5842◆
1N2523	5842◆
1N2524	5830◆
1N2525	5834◆
1N2529	5842◆
1N2530	5842◆
1N2531	5846◆
1N2532	5846◆
1N2533	5848◆
1N2534	5848◆
1N2535	5830◆
1N2536	5834◆
1N2537	5834◆
1N2538	5838◆
1N2539	5838◆
1N2540	5842◆
1N2541	5842◆
1N2542	5846◆
1N2543	5846◆
1N2544	5848◆
1N2545	5848◆
1N2546	5830◆
1N2547	5834◆
1N2548	5834◆
1N2549	5838◆
1N2550	5838◆
1N2551	5842◆
1N2552	5842◆
1N2553	5846◆
1N2554	5846◆
1N2555	5848◆
1N2556	5848◆
1N2557	5866◆
1N2558	5866◆
1N2559	5868◆
1N2560	5868◆
1N2561	5866
1N2562	5866◆
1N2563	5868◆
1N2564	5868◆
1N2565	5850◆
1N2566	5854◆
1N2567	5854◆
1N2568	5858◆
1N2569	5858◆
1N2570	5862◆
1N2571	5862◆
1N2572	5866◆
1N2573	5866◆
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1N2575	5868◆
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1N2580	5878◆
1N2581	5882◆
1N2582	5882◆
1N2583	5886◆
1N2584	5886◆
1N2585	5890◆
1N2586	5890◆
1N2587	5870◆
1N2588	5874◆
1N2589	5874◆
1N2590	5878◆
1N2591	5878◆
1N2592	5882◆
1N2593	5882◆
1N2594	5886◆
1N2595	5886◆
1N2596	5890◆
1N2597	5890◆
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1N2601	5878◆
1N2602	5878◆
1N2603	5882◆
1N2604	5882◆
1N2605	5886◆
1N2606	5886◆
1N2607	5890◆
1N2608	5890◆
1N2609	116
1N2610	116
1N2611	116
1N2612	116
1N2613	116
1N2614	116
1N2615	116
1N2616	125
1N2617	125
1N2618	506
1N2619	506
1N2702	5834
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1N2799R	5949
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1N2800R	5949
1N2801	110A
1N2847	5834◆
1N2848	5834◆
1N2849	5838◆
1N2850	5838◆
1N2851	5842◆
1N2852	5842◆
1N2858	116
1N2858A	116
1N2859	116
1N2859A	116
1N2860	116
1N2860A	116
1N2861	116
1N2861A	116
1N2862	116
1N2862A	116
1N2863	116
1N2863A	116
1N2864	116
1N2864A	116
1N2865	525
1N2866	525
1N2867	5808
1N2868	5809
1N2878	125
1N2879	125
1N2880	125
1N2881	125
1N2882	125
1N2883	125
1N2884	506
1N2885	506
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1N2970B	5181A
1N2970BR	5181AK
1N2970R	5181AK
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1N2970RB	5181AK
1N2971	5182A
1N2971A	5182A
1N2971AR	5182AK
1N2971B	5182A
1N2971BR	5182AK
1N2971R	5182AK
1N2971RA	5182AK
1N2971RB	5182AK
1N2972	5183A
1N2972A	5183A
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1N2972B	5183A
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1N2972RA	5183AK
1N2972RB	5183AK
1N2973	5185A
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1N2973AR	5185AK
1N2973B	5185A
1N2973BR	5185AK
1N2973R	5185AK
1N2973RA	5185AK
1N2973RB	5185AK
1N2974	5186A
1N2974A	5186A
1N2974B	5186A
1N2974R	5186AK
1N2974RA	5186AK
1N2975	5187A
1N2975A	5187A
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1N2975RA	5187AK
1N2975RB	5187AK
1N2976	5188A
1N2976A	5188A
1N2976AR	5188AK
1N2976B	5188A
1N2976BR	5188AK
1N2976R	5188AK
1N2976RA	5188AK
1N2976RB	5188AK
1N2977	5189A
1N2977A	5189A
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1N2977B	5189A
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1N2977R	5189AK
1N2977RA	5189AK
1N2977RB	5189AK
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1N2980B	5192A
1N2980BR	5192AK
1N2980R	5192AK
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1N2980RB	5192AK
1N2981	5193A
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1N2981BR	5193AK
1N2981R	5193AK
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1N2986RB	5198AK
1N2987	5199A
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1N2987AR	5198AK
1N2987B	5199A
1N2987BR	5199AK
1N2987R	5199AK
1N2987RA	5199AK
1N2987RB	5199AK
1N2988	5200A
1N2988A	5200A
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1N2989AR	5202AK
1N2989B	5202A
1N2989BR	5202AK
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1N2990A	5203A
1N2990AR	5203AK
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1N2990BR	5203AK
1N2990R	5203AK
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1N2990RB	5203AK
1N2991	5204A
1N2991A	5204A
1N2991AR	5204AK
1N2991B	5204A
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1N2992RB	5205AK
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1N2993B	5206A
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1N2994RB	5207AK
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1N2995R	5208AK
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1N2995RB	5208AK
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1N2996B	5209A
1N2996BR	5210AK
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1N2998RB	5211AK
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1N2999AR	5212AK
1N2999B	5212A
1N2999BR	5212AK
1N2999R	5212AK
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1N2999RB	5212AK
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1N3000B	5214A
1N3000BR	5214AK
1N3000R	5214AK
1N3000RA	5214AK
1N3000RB	5214AK
1N3001	5215A
1N3001A	5215A
1N3001AR	5215AK
1N3001B	5215A
1N3001BR	5215AK
1N3001R	5215AK
1N3001RA	5215AK
1N3001RB	5215AK
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1N3002A	5216A
1N3002AR	5216AK
1N3002B	5216A
1N3002BR	5216AK
1N3002R	5216AK
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1N3002RB	5216AK
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1N3003B	5217A
1N3003BR	5217AK
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1N3003RB	5217AK
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1N3004RB	5219AK
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1N3005A	5220A
1N3005AR	5220AK
1N3005B	5220A
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1N3725	506
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1N3729	552
1N3731	177
1N3732	135A
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1N3790B	5126A
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1N3807B	5148A
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1N3814A	5157A
1N3814B	5157A
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1N3815A	5158A
1N3815B	5158A
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1N3818A	5162A
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1N3822A	134A
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1N3868	5806
1N3869	5809
1N3870	525
1N3872	177
1N3873	177
1N3874	507
1N3879	5818
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1N3879M	5818
1N3879MR	5819
1N3879R	5819
1N3880	5818
1N3880A	5818
1N3880AR	5819

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1N3880M	5818
1N3880MR	5819
1N3880R	5819
1N3880RA	5819
1N3881	5818
1N3881A	5818
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1N3881M	5818
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1N3881RA	5819
1N3882	5820
1N3882A	5820
1N3882AR	5821
1N3882M	5820
1N3882MR	5821
1N3882R	5821
1N3882RA	5821
1N3883	5820
1N3883A	5820
1N3883AR	5821
1N3883M	5820
1N3883MR	5821
1N3883R	5821
1N3883RA	5821
1N3889	5818
1N3889A	5818
1N3889AR	5819
1N3889M	5818
1N3889MR	5819
1N3889R	5819
1N3889RA	5819
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1N3890A	5818
1N3890AR	5819
1N3890M	5818
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1N3890R	5819
1N3890RA	5819
1N3891	5818
1N3891A	5818
1N3891AR	5819
1N3891M	5818
1N3891MR	5819
1N3891R	5819
1N3891RA	5819
1N3892	5820
1N3892A	5820
1N3892AR	5821
1N3892M	5820
1N3892MR	5821
1N3892R	5821
1N3892RA	5821
1N3893	5820
1N3893A	5820
1N3893AR	5821
1N3893M	5822
1N3893MR	5823
1N3893R	5821
1N3893RA	5821
1N3895	116
1N3897RA	5819
1N3899	6006
1N3899M	6006
1N3899MR	6007
1N3899R	6007
1N3900	6006
1N3900M	6006
1N3900MR	6007
1N3900R	6007
1N3901	6006
1N3901M	6006
1N3901MR	6007
1N3901R	6007
1N3902	6008
1N3902M	6008
1N3902MR	6009
1N3902R	6009
1N3903	6008
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1N3911R	6007
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1N3912R	6009
1N3913	6008
1N3913M	6008
1N3913MR	6009
1N3913R	6009
1N3914	507
1N3915	506
1N3919	5868
1N3919R	5869
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1N3950	5135A
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1N3956	177
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1N3984	5178AK
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1N3985A	5179AK
1N3986	5180AK
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1N3994AR	5175A
1N3994R	5175A
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1N3995R	5176A
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1N3996AR	5177A
1N3996R	5177A
1N3997	5178AK
1N3997A	5178AK
1N3997AR	5178A
1N3997R	5178A
1N3998	5180AK
1N3998A	5180AK
1N3998AR	5180A
1N3998R	5180A
1N3999	5181AK
1N3999A	5181AK
1N3999AR	5181A
1N3999R	5181A
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1N4000A	5182AK
1N4000AR	5182A
1N4000R	5182A
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1N4002GP	116
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1N4002TA	116
1N4003	116
1N4003G	116
1N4003GP	116
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1N4003RL	116
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1N4160	5072A
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1N5228B	5007A
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1N5229B	5008A
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1N5339B	5117A
1N5340	5118A
1N5340A	5118A
1N5340B	5118A
1N5341	5119A
1N5341A	5119A
1N5341B	5119A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
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1N5342B	5120A
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1N5344A	5122A
1N5344B	5122A
1N5345	5123A
1N5345A	5123A
1N5345B	5123A
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1N5346A	5124A
1N5346B	5124A
1N5347	5125A
1N5347A	5125A
1N5347B	5125A
1N5348	5126A
1N5348A	5126A
1N5348B	5126A
1N5349	5127A
1N5349A	5127A
1N5349B	5127A
1N5350	5128A
1N5350A	5128A
1N5350B	5128A
1N5351	5129A
1N5351A	5129A
1N5351B	5129A
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1N5352B	5130A
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1N5355B	5133A
1N5356	5134A
1N5356A	5134A
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1N5360B	5138A
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1N7002	116
1N7002P1	116
1N7002P2	116
1N7002P3	116
1N7003	116
1N7003P1	116
1N7003P2	116
1N7003P3	116
1N7004	116
1N7004P1	116
1N7004P2	116
1N7004P3	116
1N7005	116
1N7005P1	116
1N7005P2	116
1N7005P3	116
1N7006	125
1N7006P1	125
1N7006P2	125
1N7006P3	125
1N7007	125
1N7007P1	125
1N7007P2	125
1N7007P3	125
1N8001	116
1N8001P1	116
1N8001P2	116
1N8001P3	116
1N8002	116
1N8002P1	116
1N8002P2	116
1N8002P3	116
1N8003	116
1N8003P1	116
1N8003P2	116
1N8003P3	116
1N8004	116
1N8004P1	116
1N8004P2	116
1N8004P3	116
1N8005	116
1N8005P2	116
1N8005P3	116
1N8006	125
1N8006P1	125
1N8006P2	125
1N8006P3	125
1N8007	125
1N8007P1	125
1N8007P2	125
1N8007P3	125
1N9001	116
1N9001P1	116
1N9001P2	116
1N9001P3	116
1N9002	116
1N9002P1	116
1N9002P2	116
1N9002P3	116
1N9003	116
1N9003P1	116
1N9003P2	116
1N9003P3	116
1N9004	116
1N9004P1	116
1N9004P2	116
1N9004P3	116
1N9005	116
1N9005P1	116
1N9005P2	116
1N9005P3	116
1N9006	125
1N9006P1	125
1N9006P2	125
1N9006P3	125
1N9007	125
1N9007P1	125
1N9007P2	125
1N9007P3	125
1N9491B	998
1N33548	116
1N40021D	116
1NA4	109
1NA4G	109
1NC61684	116
1NE11	156
1NH62	558
1NJ27	125
1NJ33233	109
1NJ60284	109
1NJ61224	109
1NJ61225	136A
1NJ61433	177
1NJ61675	109
1NJ61676	116
1NJ61677	177
1NJ61725	177
1NJ61726	116
1NJ70972	113A
1NJ70973	109
1NJ70976	506
1NJ70980	177
1NJ71126	507
1NJ71185	109
1NJ71186	507
1NJ71224	177
1NUPC1373H	1714S
1NZ61	125
1P100	5400
1P101	5401
1P102	5402
1P103	5404
1P104	5404
1P541	109
1P542	109
1P640	1232
1P643	552
1P644	552
1P645	552
1P646	552
1P647	552
1P648	552
1P649	552
1P720	5897
1R0	177
1R01	116
1R1D	116
1R1K	116
1R1P	177
1R2	177
1R2A	116
1R2D	116
1R2E	116
1R3A	177
1R3B	506
1R3D	116
1R3G	116
1R3J	116
1R3P04	1671
1R4	177
1R5A	116
1R5B	116
1R5BL41	588
1R5BZ41	125
1R5BZ61	125
1R5CL41	588
1R5DL41	588
1R5DU41	588
1R5DZ41	125
1R5DZ61	125
1R5G	116
1R5GU41	576◆
1R5GZ41	125
1R5GZ61	125
1R5GZ61FA-1	125
1R5GZ61-FA1	125
1R5H	116
1R5JU41	577
1R5JZ41	125
1R5JZ61	125
1R5LZ41	125
1R5NZ41	125
1R5TH61	558
1R8.2	5072A
1R8.2A	5072A
1R8.2B	5072A
1R9	116
1R9H	116
1R9I	116
1R9J	116
1R9.1	131
1R9.1A	139A
1R9.1B	139A
1R10	140A
1R10(SCR)	5454
1R10A	140A
1R10B	140A
1R10D3K	177
1R10D3L	506
1R10E	116
1R11	5074A
1R11A	5074A
1R11B	5074A
1R12	142A
1R12A	142A
1R12B	142A
1R13	143A
1R13A	143A
1R13B	143A
1R13OB	5098A
1R14OB	5099A
1R15	145A
1R15A	145A
1R15B	145A
1R15OB	5100A
1R16	5075A
1R16A	5075A
1R16B	5075A
1R18	5077A
1R18A	5077A
1R18B	5077A
1R20	5079A
1R20(SCR)	5455
1R20A	5079A
1R20B	5079A
1R22	5080A
1R22A	5080A
1R22B	5080A
1R24	5081A
1R24A	5081A
1R24B	5081A
1R27	146A
1R27A	146A
1R27B	146A
1R30	5084A
1R30(SCR)	5457
1R30A	5084A
1R30B	5084A
1R31	506
1R33	147A
1R33A	147A
1R33B	147A
1R36	5085A
1R36A	5085A
1R36B	5085A
1R39	5085A
1R39A	5086A
1R39B	5086A
1R43	5087A
1R43A	5087A
1R43B	5087A
1R47	5088A
1R47A	5088A
1R47B	5088A
1R51	5089A
1R51A	5089A
1R51B	5089A
1R56	5090A
1R56A	5090A
1R56B	5090A
1R62	149A
1R62A	149A
1R62B	149A
1R68	5092A
1R68A	5092A
1R68B	5092A
1R75	5093A
1R75A	5093A
1R75B	5093A
1R82	150A
1R82A	150A
1R82B	150A
1R90	116
1R91	5095A
1R91A	5095A
1R91B	5095A
1R96	125
1R100	5096A
1R100A	5096A
1R100B	5096A
1R110	151A
1R110A	151A
1R110B	151A
1R120	5097A
1R120A	5097A
1R120B	5097A
1R122A1	5462
1R122B1	5463
1R122C1	5465
1R122D1	5465
1R122E1	5466
1R122F1	5461
1R122M1	5466
1R130	5098A
1R130A	5098A
1R130B	5098A
1R140	5099A
1R140A	5099A
1R140B	5099A
1R150	5100A
1R150A	5100A
1R150B	5100A
1R160	5101A
1R160A	5101A
1R160B	5101A
1r161R16B	5075A
1R180	5103A
1R180A	5103A
1R180B	5103A
1R200	5105A
1R200A	5105A
1R200B	5105A
1R801	389
1R1600	5483§
1R1601	5483§
1R1602	5483§
1R1771	5483§
1R1772	5483§
1R1774	5483§
1R1977	184
1R2790	613
1R5000	98
1R5001	98
1R5002	98
1R5060	98
1R5061	98
1R5062	98
1R5063	98
1R5251	97
1R5252	97
1R5253	97
1RC5	5453
1RC10	5454
1RC20	5455
1RC30	5457
1RC40	5457
1RD3899	6006
1RD3899R	6007
1RD3900	6006
1RD3900R	6007
1RD3901	6006
1RD3901R	6007
1RD3902	6008
1RD3902R	6009
1RD3903	6008
1RD3903R	6009
1RD3909	6006
1RD3909R	6007
1RD3910	6006
1RD3910R	6007
1RD3911	6006
1RD3911R	6007
1RD3912	6008
1RD3912R	6009
1RD3913	6008
1RD3913R	6009
1-RE-004	116
1RLD	166
1ROE	177
1ROF	116
1ROH	116
1S005	116
1S010	5550
1S020	5801
1S020(Rect)	5801
1S020(SCR)	5550
1S021	5802
1S023	5804
1S025	5806
1S027	5808
1S030	5800
1S031	5801
1S032	5802
1S034	5804
1S036	5806
1S038	5808
1S1-0336-00-A	130
1S1Z09	116
1S12	177
1S13	109
1S15	109
1S15O0	610
1S17	177
1S17D1	109
1S18	177
1S20	110A
1S32	109
1S33	109◆
1S34	109
1S34(TV)	109
1S34A	109
1S34S	109
1S34TV	109
1S35	110A
1S37	5070A
1S38	177
1S40	5801
1S41	116
1S42	5804
1S43	5804
1S44	5806
1S45	5806
1S46	5808
1S47	125
1S48	612
1S48A	613
1S50	110MP
1S54	5809
1S58	5809
1S60	110MP
1S60P	109
1S70	110A
1S71	116
1S72	109◆
1S73	109
1S74	109
1S75	110A
1S76	109
1S78	110A
1S79	110A
1S80	110A
1S81	116
1S82	109
1S83	116
1S84	177
1S85	612
1S85H	612
1S86	612
1S88	110A
1S89	177
1S90	116
1S91	116
1S92	116
1S93	116
1S93/SGJ	116
1S94	116
1S95	116
1S96	125
1S97	125
1S98	125
1S99	125
1S99A	177
1S100	116
1S101	116
1S102	116
1S103	116
1S104	116
1S105	116
1S106	116
1S106A	116
1S107	125
1S108	125
1S109	125
1S110	116
1S110(Rect)	116
1S110(SCR)	5552
1S110A	116
1S111	116
1S112	116
1S113	116
1S113A	116
1S114	116
1S115	116
1S116	116
1S117	125
1S119	116
1S120	116
1S120(Rect)	116
1S120(SCR)	5552
1S121	116
1S121(RECT)	116
1S122	116
1S123	116
1S124	116
1S125	116
1S126	116
1S127	109
1S128FM	110MP
1S130	177
1S130(ZENER)	139A
1S131	177
1S132	177
1S134	116
1S135	141A
1S136	116
1S136(Zener)	137A
1S137	145A
1S138	125
1S145	611
1S146	5834
1S147	116
1S148	116
1S149	116
1S150	116
1S155	177
1S155-1	177
1S158	109◆
1S160	5870
1S161	5874
1S162	5874
1S163	5878
1S164	5878
1S165	5882
1S166	5882
1S170	5912
1S171	5916
1S172	5916
1S173	5920
1S174	5920
1S175	5924
1S176	5924
1S180	177
1S180/5GB	116
1S181	177
1S182	177
1S183	116
1S185	110A
1S185OR	116
1S186	109
1S186(FM)	109
1S186FM	110MP
1S187	110A
1S187S	109
1S188	110A
1S188A	110A
1S188A/FM	110A
1S188AFM	110A
1S188AM	110A
1S188EM	110A
1S188F	110MP
1S188FM	110A
1S188FM1	110A
1S188FM1A	110A
1S188FM2	110A
1S188FMA	110A
1S188FMI	110MP
1S188G	110A
1S188MPX	110MP
1S188P	110MP
1S188PM	110A
1S188S	110A
1S188TV	110A
1S188-TV-M	110A
1S189	109
1S189FM	110MP
1S190	5010A
1S191	5012A
1S192	5014A
1S193	5072A
1S194	5018A
1S195	140A
1S196	5074A
1S197	142A
1S198	144A
1S199	5077A
1S204	116
1S205	116
1S206	116
1S207	116
1S207SK	177
1S208	116
1S208/2SJ2A	5809
1S209	116
1S209/2SJ4A	5809
1S210	125
1S210/2SJ6A	125
1S210(Rect)	125
1S210(SCR)	5552
1S211	125
1S211/2SJ8A	125
1S211A	136A
1S215	140A
1S216	140A
1S220	5068A
1S220(SCR)	5552
1S220(Zener)	5068A
1S221	136A
1S222	5071A
1S223	138A
1S224	5073A
1S225	140A
1S226	5074A
1S227	142A
1S228	143A
1S229	144A
1S230	145A
1S231	5075A
1S232	5076A
1S233	5077A
1S234	5078A
1S235	5079A
1S236	5080A
1S237	5081A
1S238	5082A
1S239	146A
1S240	5084A
1S241	147A
1S242	5085A
1S243	5086A
1S244	5087A
1S246	5088A
1S247	5089A
1S248	5089A
1S249	5090A
1S250	149A
1S251	5092A
1S252	5093A
1S253	150A
1S254	5095A
1S255	5096A
1S257	151A
1S258	5097A
1S259	5098A
1S260	5099A
1S261	5100A
1S262	5176AK
1S263	5178AK
1S264	5181AK
1S265	5182AK
1S266	5184AK
1S267	5186AK
1S268	5187AK
1S269	5188AK
1S270	5189AK
1S271	5190AK
1S272	5191AK
1S273	5192AK
1S274	5193AK
1S275	5194AK
1S276	5195AK
1S277	5196AK
1S278	5197AK
1S279	5198AK
1S280	5199AK
1S281	5200AK
1S282	5202AK
1S283	5203AK
1S284	5204AK
1S285	5205AK
1S286	5206AK
1S287	5208AK
1S288	5208AK
1S289	5209AK
1S290	5211AK
1S291	5212AK
1S292	5214AK
1S293	5215AK
1S294	5216AK
1S295	5217AK
1S296	5219AK
1S297	5220AK
1S298	5221A
1S299	5222AK
1S300	5223AK
1S301	5224AK
1S301.5	145A
1S302	5225AK
1S303	5226AK
1S306	177
1S307	177
1S309	116
1S310	116
1S310(Rect)	116
1S310(SCR)	5554
1S311	5809
1S312	116
1S312(Hitachi)	506
1S313	116
1S314	116
1S315	116
1S315(Hitachi)	506
1S318	109
1S320	135A
1S320(Rect)	135A
1S320(SCR)	5554
1S322	177
1S330	5010A
1S330A	5010A
1S330A1	135A
1S331	137A
1S331A	137A
1S331AZ	137A
1S332	138A
1S332M	5071A
1S333	5072A
1S333Y	5072A
1S334	139A
1S334K	139A
1S334N	139A
1S335	140A
1S335S	5019A
1S336	5074A
1S337	142A
1S337A	142A
1S337E	142A
1S337Y	142A
1S338	5023A
1S338Q	143A
1S338U	144A
1S339	5027A
1S347	5070A
1S351B	612
1S351M	611
1S351R	613
1S351S	611
1S352	612
1S352M	612
1S352N	612
1S353	613
1S353M	614
1S354	109
1S355	110A
1S357	109
1S358	116
1S358N	177
1S358S	116
1S395	116
1S396	116
1S397	125
1S398	125
1S399	116
1S400	116
1S401	125
1S402	125
1S410	5834
1S410(RECT)	5834
1S410(SCR)	5554
1S411	5834
1S413	5838
1S415	5842
1S417	5846
1S419	5848
1S420	5874
1S420(RECT)	5874
1S420(SCR)	5554
1S421	5874
1S423	5878
1S425	5882
1S426	109
1S426FM	109
1S426G	110A
1S427	5886
1S428	109
1S430	5800
1S431	5801
1S432	5802
1S434	5804
1S436	5806
1S438	5808
1S441	110A
1S441(RECT)	5830
1S442	110A
1S442(RECT)	5830
1S443(RECT)	5830
1S444	177
1S444(RECT)	5834
1S445(RECT)	5834
1S446	109
1S446(RECT)	5834
1S446D	109
1S447	109
1S447P	109
1S448	109
1S449	109
1S451	109
1S452	109
1S453	109
1S454	110A
1S455	110A
1S456	116
1S457	116
1S458	116
1S459	116
1S466	110A
1S467R	109
1S470	5012A
1S471	5014A
1S472	5018A
1S473	5020A
1S473H	142A
1S474	5023A
1S475	5027A
1S476	5030A
1S477	5034A
1S478	5037A
1S479	5040A
1S480	5070A
1S481	5071A
1S482	139A
1S483	5074A
1S484	144A
1S485	5077A
1S487	5083A
1S488	5085A
1S489	5088A
1S490	5179AK
1S491	5120A
1S492	5185AK
1S493	5126A
1S494	5190A
1S495	5194AK
1S496	5197A
1S497	5201AK
1S498	5204AK
1S499	5146A
1S510	5556
1S520	5558
1S543	112
1S544	5886
1S545	5890
1S546	5928
1S547	6002
1S552	519
1S553	613
1S553T	613
1S554	614
1S554T	614
1S555	613
1S556	614
1S557	125
1S558	116
1S559	116
1S560	177
1S568	177
1S588	116
1S610	5556

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1S642	177
1S685	116
1S686	125
1S687	125
1S688EA	613
1S692	136A
1S696	142A
1S697	145A
1S700	146A
1S710	5558
1S720	5558
1S750	112
1S750GR	112
1S752	5002A
1S753	5006A
1S754	5008A
1S755	5009A
1S756	5011A
1S757	5014A
1S757A	139A
1S758	5017A
1S758GS	139A
1S759	5019A
1S760	5022A
1S761	5025A
1S762	5028A
1S763	5031A
1S764	5033A
1S766	611
1S767	611
1S767A	611
1S769	611
1S777	127/209
1S788	109
1S810	5558
1S820	5558
1S844	116
1S846	116
1S848	125
1S849	116
1S849R	116(2)
1S850	125
1S885	116
1S891	611
1S892	612
1S893	613
1S920	177
1S921	177
1S921(RECT)	5802
1S922(DIODE)	177
1S922(RECT)	5804
1S923	177
1S923(RECT)	5806
1S924	5808
1S925	5809
1S926	5874
1S926G	109◆
1S927	5878
1S928	5882
1S929	5886
1S930	5890
1S931	6154
1S932	6156
1S933	6158
1S934	6158
1S935	6158
1S936	5986
1S939	6158
1S940	6158/432◆
1S941	177
1S941/4454C	116
1S942	177
1S945	177
1S951	177
1S952	177
1S953	552
1S953(DIODE)	519
1S954	519
1S954(2)	519
1S955	177
1S963	5809
1S966	5987◆
1S966R	5986◆
1S967	5991◆
1S967R	5990◆
1S968	5995◆
1S968R	5994◆
1S969	5999◆
1S969R	5998◆
1S983	177
1S990	177
1S990A	177
1S990-AM	177
1S990AM	109
1S990S	145A
1S990S(Diode)	177
1S990S(Zener)	145A
1S993	5004A
1S994	5067A
1S994A	177
1S994S	5069A
1S994Y	138A
1S995	611
1S1000	112
1S1000A	112
1S1001	177
1S1004	116
1S1007	109
1S1007S	109
1S1029	601
1S1033	6354‡
1S1034	6354‡
1S1035	6354‡
1S1036	6356‡
1S1037	6358‡
1S1038	6358‡
1S1052	177
1S1053	177
1S1061	116
1S1062	116
1S1063	116
1S1064	116
1S1065	125
1S1066	125
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1S6008A	5183A
1S6009A	5185A
1S6010	5186A
1S6010A	5186A
1S6011	5187A
1S6011A	5187A
1S6012	5188A
1S6012A	5188A
1S6013	5189A
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1S6022	5197A
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1S6024	5198A
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1S6030	5202A
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1S6033	5203A
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1S6036	5204A
1S6036A	5204A
1S6039	5205A
1S6039A	5205A
1S6043	5206A
1S6043A	5206A
1S6047	5208A
1S6047A	5208A
1S6051	5210A
1S6051A	5210A
1S6056	5212A
1S6056A	5212A
1S6062	5214A
1S6062A	5214A
1S6068	5215A
1S6068A	5215A
1S6075	5216A
1S6075A	5216A
1S6082	5217A
1S6082A	5217A
1S6091	5219A
1S6091A	5219A
1S6100	5220A
1S6100A	5220A
1S6110	5222A
1S6110A	5222A
1S6120	5223A
1S6120A	5223A
1S6130	5224A
1S6130A	5224A
1S6150	5226A
1S6150A	5226A
1S6160	5227A
1S6160A	5227A
1S6180	5230A
1S6180A	5230A
1S6200	5232A
1S6200A	5232A
1S7030A	5004A
1S7033	5005A
1S7033A	5005A
1S7033B	5005A
1S7036	5006A
1S7036A	5006A
1S7036B	5006A
1S7039	5007A
1S7039A	5007A
1S7039B	5007A
1S7043	5008A
1S7043A	5008A
1S7043B	5008A
1S7047	5009A
1S7047A	5009A
1S7047B	5009A
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1S7051A	5010A
1S7051B	5010A
1S7056	5011A
1S7056A	5011A
1S7056B	5011A
1S7062	5013A
1S7062A	5013A
1S7062B	5013A
1S7068	5014A
1S7068A	5014A
1S7068B	5014A
1S7075	5015A
1S7075A	5015A
1S7075B	5015A
1S7082	5016A
1S7082A	5016A
1S7082B	5016A
1S7091	5018A
1S7091A	5018A
1S7091B	5018A
1S7100	5019A
1S7100A	5019A
1S7100B	5019A
1S7110	5020A
1S7110A	5020A
1S7110B	5020A
1S7120	5021A
1S7120A	5021A
1S7120B	5021A
1S7130	5022A
1S7130A	5022A
1S7130B	5022A
1S7150	5024A
1S7150A	5024A
1S7150B	5024A
1S7160A	5025A
1S9413	116
1S11941	177
1S15551	177
1S16009	5185A
1S16009A	5185A
1S17176	138A
1S19413	116
1S20751C	177
1SB01-02	116
1SB50S	614
1SB69-06	612
1SC2367	177
1SD2	116
1SF1	5818
1SF1R	5819
1SF2	5818
1SF2R	5819
1SF4	5820
1SF4R	5821
1SIZ09	116
1SL2	601
1SL1885	116
1S-M2511-8010S-035B	519
1SO30	116
1SO31	116
1SO32	116
1SO34	116
1SO36	116
1SO38	125
1SO54	116
1SO58	125
1SR1K	116
1SR30-200	116
1SR30-400	116
1SR30-600	116
1SR31-800	125
1SR31-1000	125
1SR32-1200	506
1SR32-1400	506
1SR34-100	5802
1SR34-200	116
1SR35-10	116
1SR35-20	116
1SR35-100	116
1SR35-100A	116
1SR35-100A-Y	116
1SR35-100-F	116
1SR35-100-HT	116
1SR35-100-Z	116
1SR35-200	116
1SR35-200A	116
1SR35-400	558
1SR35-400A	116
1SR71-30	6084
1SR71-40	6084
1SR72-30	6094
1SR72-40	6094
1SR73-30	6094
1SR73-40	6094
1SR77-200	569◆
1SR77-400	569◆
1SR77-600	569◆
1SR91-100	580
1SR91-200	580
1SR91-400	580
1SR100-200	116
1SR100-400	116
1SR100-600	116
1SR100-800	525
1SR100-1200	525
1SR100-1500	525
1SR123-100	558
1SR123-200	558
1SR123-400	558
1SR124-100	552
1SR124-100A	552
1SR124-200	552
1SR124-200A	552
1SR124-400	552
1SR124-400A	552
1SR124-400V-Z	552
1SR124-400-Z	552
1SR139-100	116◆
1SR139-200	116◆
1SR139-400	116◆
1SR139-600	116◆
1SR149	588
1SR150	588
1SR151	576
1SR153-100	116◆
1SR153-200	116◆
1SR153-400	116◆
1SS16	112
1SS19	112
1SS41	519
1SS43	112
1SS53	177
1SS54	519
1SS54-T4	519
1SS54TP	177
1SS55	519
1SS81	177
1SS81-Y	177
1SS82	177◆
1SS83	177◆
1SS85	553
1SS86	112
1SS90	112
1SS97	584
1SS98	112
1SS99	112
1SS101	583
1SS103	555A
1SS104	177
1SS104FA	177
1SS106	519
1SS110	553
1SS110Y	553
1SS116	519
1SS118	515
1SS119	519
1SS119-041T	519
1SS119-14	519
1SS119TD	519
1SS119TG	519
1SS120	519
1SS130	519
1SS131	519
1SS131T-77	519
1SS131Y	519
1SS132	519
1SS132T	519
1SS132T-77	519
1SS133	519
1SS133T	519
1SS133-Y	519
1SS134	519
1SS135	519
1SS136	519◆
1SS137	519◆
1SS138	519◆
1SS139	587
1SS140	587
1SS141	587
1SS142	552
1SS143	552
1SS144	587
1SS145	552◆
1SS146	552◆
1SS146-Y	552
1SS147	552◆
1SS148	519
1SS151	112
1SS153	594
1SS155	555A
1SS176	519
1SS176FA	519
1SS177	519
1SS178	519
1SS178FA	519
1SS178-Y	519
1SS181	596
1SS184	595
1SS184TE85L	595
1SS198	584◆
1SS200	591
1SS201	590
1SS216	553
1SS220	593
1SS227	519(2)
1SS229	590
1SS230	590
1SS231	591
1SS232	591
1SS233	590
1SS233F	590
1SS234	590
1SS235	591
1SS236	591
1SS241	553◆
1SS244	177◆
1SS250	592
1SS254	519
1SS268	595
1SS269	596
1SS270	519
1SS270TA	519
1SS290	587◆
1SS291	587◆
1SS292	587◆
1SS294	593
1SS355	519
1SS1555TP3	177
1SV50	614
1SV50-K	614
1SV53	614
1SV53A	614
1SV55	614
1SV58	616
1SV59	616
1SV68	614
1SV68-04	614
1SV68-08	614
1SV69	616
1SV69-03	611
1SV69-06	612
1SV69-07	616
1SV70	616
1SV70-06	616
1SV77	611
1SV84	616
1SV89	612
1SV89A	612
1SV90A	618
1SV91	618
1SV97	613
1SV104	617
1SV109	617
1SV111	616
1SV111-06	616
1SV124	613
1SZ56-12	5127A
1SZ56-13	5128A
1SZ56-15	5130A
1SZ56-16	5131A
1SZ56-18	5133A
1SZ56-20	5135A
1SZ56-22	5136A
1SZ56-27	5139A
1SZ56-30	5141A
1SZ56-33	5142A
1T06	5645
1T08	5645
1T010	5645
1T015	56004#
1T1(SOT-23)	2407
1T2C1	116(2)
1T2Z1	116(2)
1T5.6	136A
1T5.6B	136A
1T6.2	137A
1T6.2B	137A
1T7.5	138A
1T7.5B	138A
1T9.1	139A
1T9.1B	139A
1T10	5645
1T10B	140A
1T11.5	141A
1T11.5B	141A
1T12	142A
1T12B	142A
1T12.8	143A
1T12.8B	143A
1T13	112
1T13A	112
1T13B	112
1T14	144A
1T14B	144A
1T15	145A
1T15B	145A
1T16	5645
1T18	5645
1T18(DIODE)	610
1T18(TRIAC)	5645
1T19-15B	145A
1T19-15D	145A
1T22	109
1T22A	109
1T22AJ	109
1T22AM	109
1T22B	109
1T22G	109
1T22M	109
1T23	110A
1T23A	110A
1T23B	110A
1T23C	110A
1T23G	110A
1T23J	110A
1T23M	110A
1T23S	110MP
1T25	612
1T26	5645
1T26-2	109
1T26(Diode)	109
1T26(Triac)	5645
1T27	146A
1T27B	146A
1T28	5645
1T33(Zener)	147A
1T33B	147A
1T36	5645
1T38	5645
1T40	177
1T46	5645
1T48	5645
1T55	148A
1T55B	148A
1T56	5645
1T58	5645
1T62	149A
1T62B	149A
1T66	5645
1T68	5645
1T76	56010#
1T78	56010#
1T82	150A
1T82B	150A
1T86	56010#
1T88	56010#
1T110	5645
1T110(Triac)	5645
1T110(Zener)	151A
1T110B	151A
1T115	56004#
1T188	109
1T210	5645
1T213	109
1T215	56004#
1T231	109
1T236	109
1T240	109
1T240A	109
1T243	177
1T243M	139A
1T261	109
1T261(MP)	110MP
1T261T	110MP
1T262	109
1T262J	109
1T263	5089A
1T264	5089A
1T310	5645
1T315	56006#
1T378	116
1T410	5645
1T415	56006#
1T495	158
1T501	116
1T502	116
1T503	116
1T504	116
1T505	116
1T506	116
1T507	125
1T508	125
1T509	125
1T510	5645
1T510(Diode)	125
1T510(Rectifier)	125
1T510(Triac)	5645
1T515	56008#
1T610	5645
1T615	56008#
1T710	56010#
1T715	56010#
1T810	56010#
1T815	56010#
1T1331	110MP
1T2011	116
1T2012	116
1T2013	116
1T2014	116
1T2015	116
1T2016	116
1TA5.6	136A
1TA5.6A	136A
1TA5.6B	136A
1TA6.2	137A
1TA6.2A	137A
1TA6.2B	137A
1TA6.8	5071A
1TA6.8A	5071A
1TA6.8B	5071A
1TA7.5	138A
1TA7.5A	138A
1TA7.5B	138A
1TA8.2	5072A
1TA8.2A	5072A
1TA8.2B	5072A
1TA9.1	139A
1TA9.1A	139A
1TA9.1B	139A
1TA10	140A
1TA10A	140A
1TA10B	140A
1TA11	5074A
1TA11A	5074A
1TA11B	5074A
1TA11.5	141A
1TA11.5A	141A
1TA12	142A
1TA12A	142A
1TA12.8	143A
1TA12.8A	143A
1TA13	143A
1TA13A	143A
1TA13B	143A
1TA14	144A
1TA14A	144A
1TA15	145A
1TA15A	145A
1TA16	5075A
1TA16A	5075A
1TA16B	5075A
1TA18	5077A
1TA18A	5077A
1TA18B	5077A
1TA20	5079A
1TA20A	5079A
1TA20B	5079A
1TA22	5080A
1TA22A	5080A
1TA22B	5080A
1TA24	5081A
1TA24A	5081A
1TA24B	5081A
1TA27	146A
1TA27A	146A
1TA27B	146A
1TA30	5084A
1TA30A	5084A
1TA30B	5084A
1TA33	147A
1TA33A	147A
1TA33B	147A
1TA36	5085A
1TA36A	5085A
1TA36B	5085A
1TA39	5086A
1TA39A	5086A
1TA39B	5086A
1TA43	5087A
1TA43A	5087A
1TA43B	5087A
1TA47	5088A
1TA47A	5088A
1TA47B	5088A
1TA51	5089A
1TA51A	5089A
1TA51B	5089A
1TA55	148A
1TA55A	148A
1TA56	5090A
1TA56A	5090A
1TA56B	5090A
1TA62	149A
1TA62A	149A
1TA62B	149A
1TA68	5092A
1TA68A	5092A
1TA68B	5092A
1TA75	5093A
1TA75A	5093A
1TA75B	5093A
1TA82	150A
1TA82A	150A
1TA82B	150A
1TA91	5095A
1TA91A	5095A
1TA91B	5095A
1TA100	5096A
1TA100A	5096A
1TA100B	5096A
1TA110	151A
1TA110A	151A
1TA110B	151A
1TA120	5097A
1TA120A	5097A
1TA120B	5097A
1TA130	5098A
1TA130A	5098A
1TA130B	5098A
1TA150	5100A
1TA150A	5100A
1TA150B	5100A
1TA160	5101A
1TA160A	5101A
1TA160B	5101A
1TA180	5103A
1TA180A	5103A
1TA180B	5103A
1TA200	5105A
1TA200A	5105A
1TA200B	5105A
1TB06	116
1TH61	558
1TH62	558
1-TR-046	108
1-TR-048	107
1-TR-111	102A
1-TR-112	103A
1TS05	116
1TT310	614
1TT1330	747
1TT1352	749
1TT1358	712
1TT1364	783§
1TT3064(D.I.P.)	783§
1TT3064(Metalcan)	780
1TT3064C	780
1TT3064P	783§
1TT3065	712
1TT3065P	712
1TT9112	9112§
1TV24237	120
1U585F	123A
1U585F/7825B	123A
1V3074A20	116
1V3074A21	116
1V9002	109
1V68611A47	159
1V68611A47A	159
1V(SOT-23)	2412
1VA10	116
1W01-08J	5074A
1W1632	289A
1W8358	123A
1W8537	159
1W8995A	128
1W9148	159
1W9179	177
1W9640	159
1W9640A	159
1W9723	123A
1W9728	159
1W9728A	159
1W9782	159
1W9782A	159
1W9787	123A
1W9810	159
1W9810A	159
1W9810S	159
1W9810SA	159
1W11700	159
1W11700A	159
1W11702	159
1W11702A	159
1W11706	312
1W11708-1	123A
1W11708-2	123A
1W11711	159
1W(SOT-23)	2413
1WM6	116
1WS1	156
1WS2	156
1WS4	5804
1WS6	5806
1WS8	156
1WS10	156
1X0001PA	1187
1X00017TA	712
1X0017TAZZ	712
1X0037CE	615A
1X0087TA	1515
1X0137CE	1751
1X0213CE	1616
1X0214CE	1576
1X0223CE	1572§
1X0224CE	1570
1X0243CE	1539
1X0275CE	1572§
1X0276CE	1570
1X0450CE	1835
1X0487CE	1794
1X0488CE	1217
1X0499CE	1795
1X0633CE	7014
1X60	109
1X1190CE	7010
1X1712CE	7010
1X8055	177
1X9179	177
1X9805	177
1X9809	177
1X(SOT-23)	2412
1Y(SOT-23)	2413
1Z3.3	5065A
1Z3.3A	5066A
1Z3.3T5	5066A
1Z3.3T10.5	5066A
1Z3.6	134A
1Z3.6A	134A
1Z3.6T5	134A
1Z3.9	5067A
1Z3.9A	5067A
1Z3.9T5	5067A
1Z4.3	5068A
1Z4.3A	5068A
1Z4.3T5	5068A
1Z4.7	5069A
1Z4.7A	5069A
1Z4.7T5	5069A
1Z5.1	135A
1Z5.1A	135A
1Z5.1T5	5116A
1Z5.1T10	135A
1Z5.6	136A
1Z5.6A	136A
1Z5.6T5	136A
1Z6.2	137A
1Z6.2A	137A
1Z6.2T5	137A
1Z6.2T10	137A
1Z6.8	5071A
1Z6.8A	5071A
1Z6.8T5	5071A
1Z7.5	138A
1Z7.5A	138A
1Z7.5T5	138A
1Z8.2	5072A
1Z8.2A	5072A
1Z8.2T5	5072A
1Z8.2T10	5072A
1Z8.2T20	5072A
1Z9	139A
1Z9.1	139A
1Z9.1A	139A
1Z9.1B	139A
1Z9.1C	139A
1Z9.1D5	139A
1Z9.1D10	139A
1Z9.1T5	139A
1Z9.1T10	139A
1Z9.1T20	139A
1Z10	140A
1Z10A	140A
1Z10T5	140A
1Z10T10	140A
1Z10T20	140A
1Z11	5074A
1Z11A	5074A
1Z11T5	5074A
1Z11T10	5074A
1Z11T20	5074A
1Z12	142A
1Z12A	142A
1Z12B	142A
1Z12C	142A
1Z12T5	142A
1Z12T10	142A
1Z12T20	142A
1Z13	143A
1Z13A	143A
1Z13T5	143A
1Z13T10	143A
1Z13T20	143A
1Z15	145A
1Z15A	145A
1Z15B	145A
1Z15C	145A
1Z15D	145A
1Z15D5	145A
1Z15D10	145A
1Z15T5	145A
1Z15T10	145A
1Z15T20	145A
1Z16	5075A
1Z16A	5075A
1Z16T5	5075A
1Z16T10	5075A
1Z16T20	5075A
1Z18	5077A
1Z18A	5077A
1Z18T5	5077A
1Z18T10	5077A
1Z18T20	5077A
1Z20	5079A
1Z20A	5079A
1Z20T5	5079A
1Z20T10	5079A
1Z20T20	5079A
1Z22	5080A
1Z22A	5080A
1Z22T5	5080A
1Z22T10	5080A
1Z22T20	5080A
1Z24	5081A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1Z24A	5081A
1Z24T5	5081A
1Z24T10	5081A
1Z24T20	5081A
1Z27	146A
1Z27A	146A
1Z27B	146A
1Z27C	146A
1Z27D	146A
1Z27D5	146A
1Z27D10	146A
1Z27T5	146A
1Z27T10	146A
1Z27T20	146A
1Z30	5084A
1Z30A	5084A
1Z30T5	5084A
1Z30T10	5084A
1Z30T20	5084A
1Z33	147A
1Z33A	147A
1Z33B	147A
1Z33C	147A
1Z33D	147A
1Z33D5	147A
1Z33D10	147A
1Z33T5	147A
1Z33T10	147A
1Z33T20	147A
1Z33.6A	134A
1Z36	5085A
1Z36A	5085A
1Z39	5086A
1Z39A	5086A
1Z43	5087A
1Z43A	5087A
1Z47	5088A
1Z47A	5088A
1Z51	5089A
1Z51A	5089A
1Z55	148A
1Z55A	148A
1Z55B	148A
1Z56	5090A
1Z56A	5090A
1Z62	149A
1Z62A	149A
1Z62B	149A
1Z62C	149A
1Z62D	149A
1Z62D5	149A
1Z62D10	149A
1Z68	5092A
1Z68A	5092A
1Z72	5093A
1Z75	5093A
1Z75A	5093A
1Z75FA	5093A
1Z82	150A
1Z82A	150A
1Z82B	150A
1Z82C	150A
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1Z82D5	150A
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1.5R140	5160A
1.5R140A	5160A
1.5R140B	5160A
1.5R150	5161A
1.5R150A	5161A
1.5R150B	5161A
1.5R160	5162A
1.5R160A	5162A
1.5R160B	5162A
1.5R180	5164A
1.5R180A	5164A
1.5R180B	5164A
1.5R200	5166A
1.5R200A	5166A
1.5R200B	5166A
1.5R120B	5158A
1.5SE6.8	4902
1.5SE6.8A	4902
1.5SE6.8C	4903
1.5SE6.8CA	4903
1.5SE13	4918
1.5SE13A	4918
1.5SE13C	4919
1.5SE13CA	4919
1.5SE18	4926
1.5SE18A	4926
1.5SE18C	4927
1.5SE18CA	4927
1.5SE20	4928
1.5SE20A	4928
1.5SE20C	4929
1.5SE20CA	4929
1.5SE27	4934
1.5SE27A	4934
1.5SE27C	4935
1.5SE27CA	4935
1.5SE51	4950
1.5SE51A	4950
1.5SE51C	4951
1.5SE51CA	4951
1.5SE68	4958
1.5SE68A	4958
1.5SE68C	4959
1.5SE68CA	4959
1.5SE200	4988
1.5SE200A	4988
1.5SE200C	4989
1.5SE200CA	4989
1.5Z6.8	5120A
1.5Z6.8A	5120A
1.5Z6.8B	5120A
1.5Z6.8C	5120A
1.5Z7.5	5121A
1.5Z7.5A	5121A
1.5Z7.5B	5121A
1.5Z7.5C	5121A
1.5Z7.5D	5121A
1.5Z8.2	5122A
1.5Z8.2A	5122A
1.5Z8.2B	5122A
1.5Z8.2C	5122A
1.5Z8.2D	5122A
1.5Z9.1	5124A
1.5Z9.1A	5124A
1.5Z9.1B	5124A
1.5Z9.1C	5124A
1.5Z9.1D	5124A
1.5Z10	5125A
1.5Z10A	5125A
1.5Z10B	5125A
1.5Z10C	5125A
1.5Z10D	5125A
1.5Z11	5126A
1.5Z11A	5126A
1.5Z11B	5126A
1.5Z11C	5126A
1.5Z11D	5126A
1.5Z12	5127A
1.5Z12A	5127A
1.5Z12B	5127A
1.5Z12C	5127A
1.5Z12D	5127A
1.5Z13	5128A
1.5Z13A	5128A
1.5Z13B	5128A
1.5Z13C	5128A
1.5Z13D	5128A
1.5Z14	5129A
1.5Z14A	5129A
1.5Z14B	5129A
1.5Z14C	5129A
1.5Z14D	5129A
1.5Z15	5130A
1.5Z15A	5130A
1.5Z15B	5130A
1.5Z15C	5130A
1.5Z16	5131A
1.5Z16A	5131A
1.5Z16B	5131A
1.5Z16C	5131A
1.5Z16D	5131A
1.5Z17	5132A
1.5Z17A	5132A
1.5Z17B	5132A
1.5Z17C	5132A
1.5Z17D	5132A
1.5Z18	5133A
1.5Z18A	5133A
1.5Z18B	5133A
1.5Z18C	5133A
1.5Z18D	5133A
1.5Z19	5134A
1.5Z19A	5134A
1.5Z19B	5134A
1.5Z19C	5134A
1.5Z19D	5134A
1.5Z20	5135A
1.5Z20A	5135A
1.5Z20B	5135A
1.5Z20C	5135A
1.5Z20D	5135A
1.5Z22	5136A
1.5Z22A	5136A
1.5Z22B	5136A
1.5Z22C	5136A
1.5Z22D	5136A
1.5Z24	5137A
1.5Z24A	5137A
1.5Z24B	5137A
1.5Z24C	5137A
1.5Z24D	5137A
1.5Z25B	5138A
1.5Z27	5139A
1.5Z27A	5139A
1.5Z27B	5139A
1.5Z27C	5139A
1.5Z27D	5139A
1.5Z30	5141A
1.5Z30A	5141A
1.5Z30B	5141A
1.5Z30C	5141A
1.5Z30D	5141A
1.5Z31C	5144A
1.5Z33A	5142A
1.5Z33B	5142A
1.5Z33C	5142A
1.5Z33D	5142A
1.5Z36	5143A
1.5Z36A	5143A
1.5Z36B	5143A
1.5Z36C	5143A
1.5Z36D	5143A
1.5Z39	5144A
1.5Z39A	5144A
1.5Z39B	5144A
1.5Z39D	5144A

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
1.5Z43	5145A
1.5Z43A	5145A
1.5Z43B	5145A
1.5Z43C	5145A
1.5Z43D	5145A
1.5Z47	5146A
1.5Z47A	5146A
1.5Z47B	5146A
1.5Z47C	5146A
1.5Z47D	5146A
1.5Z51	5147A
1.5Z51A	5147A
1.5Z51B	5147A
1.5Z51C	5147A
1.5Z51D	5147A
1.5Z56	5148A
1.5Z56A	5148A
1.5Z56B	5148A
1.5Z56C	5148A
1.5Z56D	5148A
1.5Z62	5150A
1.5Z62A	5150A
1.5Z62B	5150A
1.5Z62C	5150A
1.5Z62D	5150A
1.5Z68	5151A
1.5Z68A	5151A
1.5Z68B	5151A
1.5Z68C	5151A
1.5Z68D	5151A
1.5Z75	5152A
1.5Z75A	5152A
1.5Z75B	5152A
1.5Z75C	5152A
1.5Z75D	5152A
1.5Z82	5153A
1.5Z82A	5153A
1.5Z82B	5153A
1.5Z82C	5153A
1.5Z82D	5153A
1.5Z91	5155A
1.5Z91A	5155A
1.5Z91B	5155A
1.5Z91C	5155A
1.5Z91D	5155A
1.5Z100	5156A
1.5Z100A	5156A
1.5Z100B	5156A
1.5Z100C	5156A
1.5Z100D	5156A
1.5Z110	5157A
1.5Z110A	5157A
1.5Z110B	5157A
1.5Z110C	5157A
1.5Z110D	5157A
1.5Z120	5158A
1.5Z120A	5158A
1.5Z120B	5158A
1.5Z120C	5158A
1.5Z120D	5158A
1.5Z130	5159A
1.5Z130A	5159A
1.5Z130B	5159A
1.5Z130C	5159A
1.5Z130D	5159A
1.5Z140	5160A
1.5Z140A	5160A
1.5Z140B	5160A
1.5Z140C	5160A
1.5Z140D	5160A
1.5Z150	5161A
1.5Z150A	5161A
1.5Z150B	5161A
1.5Z150C	5161A
1.5Z150D	5161A
1.5Z160	5162A
1.5Z160A	5162A
1.5Z160B	5162A
1.5Z160C	5162A
1.5Z160D	5162A
1.5Z180	5164A
1.5Z180A	5164A
1.5Z180B	5164A
1.5Z180C	5164A
1.5Z180D	5164A
1.5Z200	5166A
1.5Z200A	5166A
1.5Z200B	5166A
1.5Z200C	5166A
1.5Z200D	5166A
2	198
2-0A91	110MP
2-1K60	110A
2-1K261	109
2-1K261MP	110MP
2-5SR	116
2-36	103
2-2105	5072A
2-2308	159
2-2310	123A
2-2819	3042
2-2820	3045
2-2821	3045
2-5004-6	5695
2-5004-14	5697
2-5184-11	5675
2-8454-031	123A
2-64701508	125
2A	126A
2A01	5800
2A02	5801
2A03	5802
2A04	5804
2A05	5806
2A06	5808
2A07	5809
2A12	129
2A18	5008A
2A21	5010A
2A22	5010A
2A25(ZENER)	5006A
2A28(ZENER)	5004A
2A30	156
2A43	5003A
2A44	5005A
2A45	5011A
2A46	5007A
2A47	5008A
2A64	5036A
2A100	156
2A119	110MP
2A200	156
2AA113	116(2)
2AA119	110MP
2AC3T	5642
2AC3TL	5642
2AC3TR	5642
2AC5T	5643
2AC5TL	5643
2AC5TR	5643
2AC6T	5643
2AC6TL	5643
2AC6TR	5643
2-AC132	102A(2)
2AC187	176(2)
2AC188	158(2)
2AD140	121
2AD149	121MP
2AF1	125
2AF2	125
2AF3	125
2AF4	125
2AF6	125
2AF8	125
2AF10	125
2AFR1	580
2AFR2	580
2AFR2PF	156
2AFR3	580
2AFR4	580
2AFR6	580
2AG	161
2AH	161
2AM-1	5452
2AT-16	503
2B	100
2B-2	506
2B3L	5312
2B4B41	5312◆
2B4.E	5313
2BD181	130MP
2BD183	185(2)
2BDY38/01	130MP
2C	100
2C291(Transistor)	128
2CD198S	130
2CS900	123A
2CT204	222
2D	100
2D001	121
2D002	123AP
2D002-41	123AP
2D002-168	123A
2D002-169	123A
2D002-170	123AP
2D002-171	171
2D002-175	123AP
2D004	121
2D004-9	121
2D-02	116
2D010	130
2D013	102
2D013-13	102
2D013-54	102
2D013-109	102
2D013-160	102
2D015	121
2D016	102
2D016-45	102
2D016-54	102
2D017	159
2D017-165	159
2D017-166	159
2D017-167	159
2D017-168	159
2D017-169	159
2D020	194
2D020-173	194
2D020-174	194
2D021	100
2D021-8	100
2D021-11	100
2D021-56	100
2D022	6400B
2D022-211	6400B
2D023	102
2D026	123AP
2D026-274	123AP
2D027	159
2D030	6410§
2D031	457
2D033	289A
2D036	102A
2D038	313
2D039	102A
2D040	396
2D2B41	5313◆
2D7A	5096A
2D41	5400
2D165	177
2DL15	558
2DO13-54	102
2DO13-109	102
2DO16	102
2E	126A
2E05	116
2E1	116
2E1A20A22AAB	128
2E2	156
2E4	116
2E6	156
2E8	156
2E10	156
2EM015	156
2EZ3.6D5	5112A
2EZ3.9D5	5113A
2EZ4.3D5	5114A
2EZ4.7D5	5115A
2EZ5.1D5	5116A
2EZ5.6D5	5117A
2EZ6.2D5	5119A
2EZ6.8D5	5120A
2EZ7.5D5	5121A
2EZ8.2D5	5122A
2EZ9.1D5	5124A
2EZ10D5	5125A
2EZ11D5	5126A
2EZ12D5	5127A
2EZ13D5	5128A
2EZ14D5	5129A
2EZ15D5	5130A
2EZ15DE	5130A
2EZ16D5	5131A
2EZ17D5	5132A
2EZ18D5	5133A
2EZ19D5	5134A
2EZ20D5	5135A
2EZ22D5	5136A
2EZ24D	5137A
2EZ27D5	5139A
2EZ30D5	5141A
2EZ33D5	5142A
2EZ36D5	5143A
2EZ39DF	5144A
2EZ43D5	5145A
2EZ47D5	5146A
2EZ51D5	5147A
2EZ56D5	5148A
2EZ62D5	5150A
2EZ68D5	5151A
2EZ75D5	5152A
2EZ91D5	5155A
2EZ100D5	5156A
2EZ110D5	5157A
2EZ120D5	5158A
2EZ130D5	5159A
2EZ140D5	5160A
2EZ150D5	5161A
2EZ160D5	5162A
2EZ170D5	5163A
2EZ180D5	5164A
2EZ200D5	5166A
2F	160
2F05	5800
2F2CN1	156
2F2CN5	156
2F4	116
2F439	452
2FB050	166
2FB100	166
2FB200	167
2FB400	168
2FB600	169
2FB800	170
2FB1000	170
2FBP005	166
2FBP01	166
2FBP02	167
2FBP04	168
2FBP06	169
2FBP08	170
2FBP10	170
2FWJ42	586
2G	126A
2G4B41	5314◆
2G8	116
2G13	116
2G101	126A
2G102	160
2G108	102
2G109	160
2G110	160
2G138	100
2G139	100
2G140	100
2G201	160
2G202	160
2G210	121
2G220	121
2G222	121
2G223	104
2G224	121
2G225	121
2G226	179
2G227	179
2G228	179
2G240	121
2G270	102
2G271	102
2G301	160
2G302	102
2G303	102A
2G304	102A
2G308	102A
2G309	102A
2G319	102
2G320	102
2G321	102
2G322	102
2G323	102
2G324	102
2G339	103
2G339A	101
2G344	102A
2G345	102A
2G371	102A
2G371A	102A
2G374	102A
2G374A	102A
2G376	102A
2G377	102A
2G381	102A
2G381A	102A
2G382	102A
2G394	102
2G395	102
2G396	100
2G397	100
2G401	126A
2G402	126A
2G404	160
2G413	160
2G414	126A
2G415	126A
2G416	126A
2G417	126A
2G508	102
2G509	102
2G601	100
2G602	100
2G603	100
2G604	100
2G605	100
2G805	116
2G3055	130
2GA	116
2GWJ42	586
2H1254	159
2H1255	159
2H1256	106
2H1257	106
2H1258	159
2H1259	159
2HR3J	125
2HR3M	125
2HT6	505
2HT16	504
2J4B41	5315◆
2J72	160
2J73	160
2K02	125
2K48	160
2KBB10R	166
2KBB20R	167
2KBB40R	168
2KBB60R	169
2KBB80R	170
2KBB100R	170
2KBP005	166
2KBP005M	166
2KBP01M	166
2KBP02	167
2KBP02M	167
2KBP04	168
2KBP04M	168
2KBP06	169
2KBP06M	169
2KBP08	170
2KBP08M	170
2KBP10	170
2KBP10M	170
2L15	525
2M78	101
2M214	5073A
2M1127	102
2MA	119
2MA509	298
2MC	126A
2MC509	293
2MW665	109
2MW742	137A
2N2J324	128
2N23	102
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2N25	102
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2N27	100
2N28	101
2N29	101
2N30	100
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2N33	126A
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2N35	101
2N36	102A
2N37	126A
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2N38A	102A
2N39	102
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2N44A	102A
2N46	102
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2N49	102
2N50	102
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2N62	102A
2N63	102A
2N64	102A
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2N74	102
2N75	126A
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2N78	101
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2N83	100
2N85	126A
2N86	126A
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2N88	126A
2N89	126A
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2N95	103/411
2N96	102
2N97	103
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2N98A	101
2N100	101
2N102	101
2N104	102A
2N105	102A
2N106	102A
2N107	100
2N108	102A
2N109	102A
2N109/5	102
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2N109GRN	102A
2N109M1	102A
2N109M2	102A
2N109WHT	102A
2N109YEL	102A
2N111	102
2N111A	102
2N111B	126A
2N111M1	126A
2N111M2	126A
2N112	126A
2N112A	102
2N112M1	126A
2N117	123AP
2N118	123AP
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2N119	123AP
2N120	123AP
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2N123A	126A
2N124	101
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2N129	126A
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2N135	100
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2N137	100
2N138	126A
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2N138B	102A
2N139	126A
2N140	126A
2N140M1	126A
2N140M2	126A
2N145	101
2N146	101
2N147	101
2N148	101
2N148A	103A
2N148B	103A
2N148C/D	103A
2N149	103A
2N149A	103A
2N149B	158
2N150	101
2N150A	101
2N151	102
2N155	121
2N157	121
2N159	102
2N160	123AP
2N160A	123AP
2N161	123AP
2N161A	123AP
2N162	123AP
2N162A	107
2N163	123AP
2N163A	123AP
2N164	101
2N164A	101
2N165	101
2N166	101
2N167	101
2N167A	101
2N168	101
2N168A	101
2N169	101
2N169A	101
2N170	101
2N172	101
2N173	213
2N174	213
2N174A	213
2N174RED	213
2N175	102A
2N176	104
2N176-1	104
2N176-1BLU	121
2N176-1WHT	121
2N176-1YEL	121
2N176-3PUR	121
2N176-4PUR	121
2N176-5WHT	121
2N176-6WHT	121
2N176(Wht/Brn)	121
2N176(Wht/Grn)	121
2N176(Wht/Grn/Grn)	121
2N176(Wht/Red)	121
2N176A	104
2N176BLK	121
2N176BLU	121
2N176G	104
2N176GRN	121
2N176M	121
2N176PUR	121
2N176RED	121
2N176W	104
2N176WHT	121
2N176YEL	121
2N178	104
2N179	104
2N180	102A
2N182	103A
2N183	103A
2N185	126A
2N185BLU	102A
2N186	102A
2N186A	102A
2N187	102A
2N187A	102A
2N188	102A
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2N189	102
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2N217A	102A
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2N217WHT	102A
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2N222	102A
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2N224	102A
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2N226	102A
2N227	102A
2N229	103
2N230	104
2N231	126A
2N231BLU	126A
2N231YEL	126A
2N231-YEL-RED	126A
2N232	126A
2N233	103
2N233A	103
2N234	121
2N234A	121
2N235	121
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2N238	102A
2N238D	102A
2N238E	102A
2N238F	102A
2N238-ORN	102A
2N240	126A
2N241	102A
2N241A	102A
2N242	104
2N247/33	126A
2N248	126A
2N249	102A
2N250	104
2N250A	104
2N251	121
2N251A	121
2N252	126A
2N253	101
2N254	101
2N255	104
2N255A	104
2N256	104
2N256A	104
2N257	104
2N257A	104
2N257B	104
2N257G	104
2N257W	104
2N262	100
2N263	123AP
2N264	123AP
2N265	102
2N266	102
2N267	160
2N268	179
2N268A	179
2N269	102A
2N270	102
2N270-5E	102
2N270A	102
2N271	100
2N271A	100
2N272	102A
2N273	102A
2N274	160
2N274BLU	160
2N274WHT	160
2N275	126A
2N276	160
2N277	330
2N278	330
2N282	102
2N283	102A
2N285	104
2N285A	104
2N285B	104
2N286	160
2N290	213
2N291	102A
2N292	101
2N292A	101
2N293	101
2N295	1587§
2N296	104
2N297	121
2N297A	121
2N299	126A
2N300	160
2N301	121
2N301A	121
2N301B	121
2N301W	121
2N302	102
2N306	103
2N306A	103A
2N307	104
2N307A	104
2N307B	104
2N308	100
2N309	100
2N310	102
2N311	100
2N312	101
2N313	101
2N314	101
2N315	100
2N315A	102
2N315B	102
2N316	100
2N316A	102
2N317	100
2N317A	100
2N318	126A
2N319	102
2N320	102A
2N321	102
2N322	102
2N323	102
2N324	102
2N325	104
2N327	100
2N327A	100
2N327B	129
2N328	129
2N328A	129
2N328B	129
2N329	129
2N329A	129
2N329B	129
2N330	129
2N330A	129
2N332	123A
2N332A	123A
2N333	123A
2N333A	123A
2N334	123A
2N334A	123A
2N335	123A
2N335A	123
2N335B	123A
2N336	123A
2N336A	123A
2N337	123A
2N337A	123A
2N338	123A
2N338A	123A
2N339	128
2N339A	128
2N340	128
2N340A	128
2N341	154
2N341A	154
2N342	128
2N342A	128
2N342B	128
2N343	128
2N343A	128
2N343B	128
2N344	126A
2N345	126A
2N348	126A
2N350	104
2N350A	104
2N351	104
2N351A	104
2N352	121
2N353	121
2N356	101
2N356A	103
2N357	101
2N357A	103
2N358	101
2N358A	103
2N359	102
2N360	102
2N361	102
2N362	102
2N362B	102
2N363	102
2N364	103
2N365	103
2N366	103
2N367	102
2N368	102
2N369	102
2N370	126A
2N370/33	126A
2N370A	126A
2N371	126A
2N371/33	126A
2N372	126A
2N372/33	126A
2N373	126A
2N374	126A
2N375	104
2N376	104
2N376A	104
2N377	101
2N378	104
2N379	179
2N380	104
2N384/33	160
2N385	101
2N392	104
2N393	126A
2N394	100
2N394A	100
2N395	100
2N396	100
2N396A	100
2N397	100
2N399	104
2N400	104
2N401	104
2N402	102
2N403	100
2N404	100
2N405	102A
2N406	102A
2N406BLU	102A
2N406BRN	102A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N406GRN	102A
2N406GRN-YEL	102A
2N406ORN	102A
2N406RED	102A
2N407	126A
2N407BLK	102A
2N407GRN	102A
2N407J	102A
2N407RED	102A
2N407WHT	102A
2N407YEL	102A
2N408	102A
2N408J	102A
2N408WHT	102A
2N409	126A
2N410	126A
2N411	126A
2N412	126A
2N413	100
2N413A	100
2N414	100
2N414A	100
2N414B	102
2N414C	102
2N415	100
2N415A	100
2N416	100
2N418	179
2N419	104
2N420	121
2N420A	121
2N422	102
2N422A	102
2N425	102
2N426	100
2N427	100
2N427A	102A
2N428A	100
2N431	123
2N432	123
2N433	123
2N438	103
2N438A	103
2N439	103
2N439A	103
2N440A	103
2N441	213
2N441BLU	213
2N442	213
2N443	213
2N444	101
2N445	101
2N445A	103
2N446	101
2N446A	103
2N447	101
2N447A	103
2N447B	103
2N448	101
2N449	101
2N450	102A
2N456	104
2N456A	104
2N456B	104
2N457	104
2N457A	104
2N458	104
2N458A	104
2N459	179
2N459A	179
2N460	102
2N462	102
2N466	102
2N467	102
2N468	102
2N470	123
2N471	123
2N471A	123
2N472	123A
2N472A	123A
2N473	123
2N474	123
2N474A	123
2N475	123A
2N475A	123A
2N476	123
2N477	123
2N478	123
2N479	123
2N479A	123
2N480	123A
2N480A	123A
2N480B	128
2N481	100
2N482	100
2N483	100
2N483-6M	102
2N483B	102
2N484	100
2N485	100
2N486	100
2N486B	100
2N487	100
2N491	6400B
2N495	106
2N495/18	106
2N496	106
2N497	128
2N497A	128
2N498	128
2N499	126A
2N499A	126A
2N500	126A
2N500BLU	126A
2N500RED	126A
2N500WHT	126A
2N501	126A
2N501/18	126A
2N501A	126A
2N502	126A
2N502A	126A
2N502B	126A
2N503	126A
2N504	126A
2N505	100
2N506	126A
2N508	102A
2N508A	102
2N509	160
2N512B	104
2N514	179
2N514A	179
2N514B	179
2N515	103
2N516	103
2N517	103
2N518	100
2N519	100
2N519A	100
2N520	100
2N520A	100
2N521	100
2N521A	100
2N522	100
2N522A	100
2N523	100
2N523A	100
2N529	100
2N530	100
2N531	100
2N532	100
2N533	100
2N534	102A
2N535	102A
2N535A	102A
2N535B	102A
2N536	102A
2N537	160
2N541	123
2N542	128
2N542A	123
2N543	123A
2N543A	123A
2N544	126A
2N544/33	126A
2N545	128
2N546	123A
2N547	128
2N548	123A
2N549	128
2N550	123A
2N551	123A
2N552	123
2N553	121
2N554	121
2N555	121
2N556	101
2N557	101
2N558	101
2N559	160
2N560	128
2N561	179
2N563	102A
2N564	102
2N565	102A
2N566	102
2N567	102A
2N568	102
2N569	102A
2N570	102
2N571	102A
2N572	100
2N573BRN	102
2N573ORN	102
2N573RED	102
2N575	213
2N575A	213
2N576	101
2N578	100
2N579	100
2N580	100
2N581	100
2N582	100
2N583	100
2N584	102A
2N585	103A
2N588	126A
2N588A	126A
2N591	102A
2N591/5	102A
2N591-6M	126A
2N591A	102A
2N592	100
2N593	100
2N594	101
2N595	101
2N596	101
2N598	100
2N599	100
2N602	126A
2N602A	126A
2N603	126A
2N603A	126A
2N604	126A
2N604A	126A
2N605	126A
2N606	126A
2N607	126A
2N608	126A
2N609	102
2N610	102
2N611	102
2N612	102
2N613	102
2N614	100
2N615	100
2N616	100
2N617	100
2N619	123A
2N620	123A
2N621	123A
2N622	123A
2N623	126A
2N624	126A
2N625	103
2N627	179
2N628	179
2N629	179
2N630	179
2N631	102
2N632	102
2N633	102
2N633B	102
2N634	101
2N634A	101
2N637	104
2N637A	104
2N638	104
2N638A	104
2N639	104
2N639A	104
2N641REDM/F	126A
2N643	126A
2N644	126A
2N645	126A
2N646	103A
2N647	103A
2N647/22	103A
2N648	103
2N649	103A
2N649/5	103A
2N653	102
2N654	102
2N655	102
2N655A	102
2N655GRN	102
2N655RED	102
2N656	128
2N657	128
2N658	100
2N659	100
2N662	100
2N663	121
2N665	121
2N669	104
2N672	176
2N677	179
2N677A	179
2N677B	179
2N677C	179
2N678	179
2N678A	179
2N678B	179
2N678C	179
2N679	101
2N680	102A
2N681	5521
2N681M	5521‡
2N681X	5521
2N682	5521
2N682A	5521
2N682M	5521‡
2N682X	5521
2N683	5522
2N683A	5522
2N683M	5522‡
2N683X	5522
2N684	5524
2N684A	5524
2N685	5524
2N685M	5524‡
2N685X	5524
2N686	5527
2N686A	5527
2N687	5527
2N687A	5527
2N687M	5527‡
2N687X	5527
2N688	5527
2N688A	5527
2N688M	5527‡
2N688X	5527
2N689	5529
2N689A	5529
2N689M	5529‡
2N689X	5529
2N690	5529
2N690M	5529‡
2N690X	5529
2N691	5531
2N691M	5531‡
2N691X	5531
2N692	5531
2N692M	5531‡
2N692X	5531
2N694	126A
2N696	123
2N696A	128
2N697	128
2N697A	128
2N697L	128
2N697S	128
2N698	396
2N699	396
2N699A,B	396
2N699L	128
2N699S	128
2N700	160
2N700/18	160
2N700A	160
2N700A/18	160
2N701	123
2N702	123A
2N703	123A
2N705	126A
2N705A	126A
2N706	123A
2N706/46	123A
2N706A	123A
2N706B	123A
2N706B46	123A
2N706C	123A
2N707	311
2N707A	123A
2N708	123A
2N708/46	123A
2N708A	123A
2N709	108
2N709/46	278
2N709/52	108
2N709A	108
2N709A46	278
2N710	126A
2N710A	126A
2N711	289A
2N711A	126A
2N711B	126A
2N715	123A
2N716A	123A
2N717	123A
2N717A	108
2N718	123A
2N718A	123A
2N719	194
2N719A	194
2N720	194
2N720A	194
2N721	159
2N721A	159
2N722	159
2N722A	159
2N723	106
2N725	126A
2N726	106
2N727	106
2N728	123
2N729	123A
2N730	123A
2N731	123A
2N734	128
2N735	128
2N735A	128
2N736	128
2N736A	128
2N736B	128
2N738	154
2N739	154
2N739A	154
2N740	154
2N740A	126A
2N741	126A
2N741A	160
2N742	123A
2N742A	123A
2N743	123A
2N743A	311
2N744	123A
2N744A	311
2N745	123A
2N746	123A
2N747	123A
2N748	123A
2N749	123A
2N750	194
2N751	123A
2N752	128
2N753	123A
2N753/46	123A
2N754	123A
2N755	128
2N756	123A
2N756A	123A
2N757	123A
2N757A	123A
2N758	123A
2N758A	123A
2N758B	123A
2N759	123A
2N759A	123A
2N759B	123A
2N760	123A
2N760A	123A
2N760B	123A
2N761	123A
2N762	123A
2N768	126A
2N769	126A
2N770	123
2N771	123
2N772	123
2N773	123
2N774	123
2N775	123
2N776	123
2N777	123
2N778	123
2N779	126A
2N779A	126A
2N779B	160
2N780	123A
2N781	126A
2N782	126A
2N783	123A
2N784	123A
2N784A	123A
2N789	123
2N790	123
2N791	123
2N792	123
2N793	123
2N794	126A
2N795	126A
2N796	126A
2N799	102
2N800	102A
2N811	100
2N812	100
2N813	102A
2N814	102A
2N817	158
2N818	158
2N819	102A
2N820	102A
2N821	101
2N822	101
2N823	101
2N824	101
2N827	126A
2N828	126A
2N828A	126A
2N829	126A
2N834	123A
2N834A	123A
2N835	123A
2N837	126A
2N838	126A
2N839	123A
2N840	123A
2N841	123A
2N842	123A
2N843	123A
2N844	123A
2N845	128
2N846	160
2N846A	126A
2N846B	160
2N849	108
2N850	108
2N851	108
2N852	108
2N858	159
2N859	159
2N860	159
2N861	159
2N862	159
2N863	159
2N864	159
2N864A	106
2N865	106
2N865A	106
2N866	123A
2N867	123A
2N869	106
2N869A	106
2N870	128
2N871	128
2N876	5400
2N877	5400
2N878	5401
2N879	5402
2N880	5404
2N881	5404
2N906	123AP◆
2N909	123A
2N910	128
2N911	128
2N912	128
2N913	123A
2N914	123A
2N914/51	108
2N914A	123A
2N915	123A
2N915A	123A
2N916	123A
2N916A	123A
2N917	161
2N917A	161
2N918	108
2N919	123A
2N920	123A
2N921	123A
2N922	123A
2N923	159
2N924	159
2N925	159
2N926	159
2N927	159
2N928	159
2N929	123A
2N929/46	123A
2N929A	123A
2N930	123A
2N930/46	123A
2N930A	123A
2N930A/46	123A
2N930B	123A
2N933	126A
2N934	126A
2N935	159
2N936	159
2N937	159
2N938	159
2N939	159
2N940	159
2N941	159
2N942	159
2N943	159
2N944	159
2N945	159
2N946	159
2N947	123A
2N956	123A
2N957	123A
2N960	126A
2N960/46	160
2N961	126A
2N962	126A
2N963	126A
2N964	126A
2N964/46	160
2N964A	126A
2N965	126A
2N966	126A
2N967	126A
2N968	160
2N969	126A
2N970	126A
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2N972	126A
2N973	126A
2N974	126A
2N975	126A
2N976	160
2N977	126A
2N978	106
2N979	126A
2N980	126A
2N981	128
2N982	126A
2N983	126A
2N984	126A
2N985	126A
2N986	126A
2N988	123A
2N989	123A
2N990	126A
2N991	126A
2N992	126A
2N993	126A
2N994	126A
2N995	106
2N995A	106
2N996	106
2N997	46
2N1005	108
2N1006	123
2N1007	104
2N1008	102
2N1010	103A
2N1011	179
2N1014	179
2N1020	121
2N1021	179
2N1021A	179
2N1022	179
2N1022A	179
2N1024	106
2N1025	159
2N1026	159
2N1026A	159
2N1027	159
2N1028	159
2N1029	179
2N1029A	179
2N1029B	179
2N1029C	179
2N1030	179
2N1030A	179
2N1030B	179
2N1030C	179
2N1031	179
2N1031A	179
2N1031B	179
2N1031C	179
2N1032	179
2N1032A	179
2N1032B	179
2N1032C	179
2N1033	121
2N1034	129
2N1035	129
2N1036	129
2N1037	129
2N1038	176
2N1042	126A
2N1043	126A
2N1044	102
2N1045	102
2N1046	179
2N1051	128
2N1052	154
2N1053	154
2N1054	154
2N1055	128
2N1056	102
2N1057	102
2N1058	101
2N1060	108
2N1069	130
2N1070	130
2N1073	179
2N1073A	179
2N1077	123A
2N1081	128
2N1082	123
2N1086	101
2N1086A	101
2N1087	101
2N1090	101
2N1092	128
2N1093	102
2N1094	160
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2N1096	103
2N1097	102
2N1098	102
2N1099	105
2N1101	103
2N1103	123A
2N1104	123A
2N1107	126A
2N1108	126A
2N1108RED	126A
2N1109	126A
2N1110	126A
2N1111	126A
2N1111A	126A
2N1111B	126A
2N1111RED	126A
2N1112	101
2N1114	101
2N1115	102A
2N1115A	160
2N1116	128
2N1117	128
2N1118	159
2N1118A	159
2N1119	159
2N1120	179
2N1121	101
2N1122	160
2N1122A	160
2N1126	102
2N1128	176
2N1130	102A
2N1131	129
2N1131/46	129
2N1131A	129
2N1132	129
2N1132/46	129
2N1132A	129
2N1132A46	129
2N1132B	129
2N1132B46	129
2N1135	159
2N1135A	159
2N1136	104
2N1136A	104
2N1137	104
2N1137A	179
2N1138	179
2N1138A	179
2N1139	123
2N1140	123A
2N1144	102
2N1145	102
2N1146	179
2N1146A	179
2N1146B	179
2N1146C	179
2N1147	179
2N1147A	179
2N1147B	179
2N1147C	179
2N1149	123AP
2N1150	123AP
2N1151	123AP
2N1152	123AP
2N1153	123AP
2N1154	194
2N1155	194
2N1156	194
2N1157	213
2N1157A	213
2N1158	126A
2N1158A	126A
2N1159	179
2N1160	179
2N1162	179
2N1162A	179
2N1163	179
2N1163A	179
2N1164	179
2N1164A	179
2N1165	179
2N1165A	179
2N1166	179
2N1166A	179
2N1167	179◆
2N1168	121
2N1169	103
2N1170	103
2N1171	100
2N1173W	103A
2N1174	102
2N1174W	176
2N1176	100
2N1182	179
2N1196	159
2N1197	129
2N1198	101
2N1199	123
2N1199A	123
2N1200	123
2N1201	123
2N1204	126A
2N1204A	126A
2N1205	123
2N1207	154
2N1208	73§
2N1209	73§
2N1212	73§
2N1213	126A
2N1214	126A
2N1215	126A
2N1216	126A
2N1217	101
2N1219	159
2N1220	159
2N1221	159
2N1222	159
2N1223	159
2N1227	104
2N1227-3	104
2N1227-4	104
2N1227-4R	104
2N1227A	104
2N1228	129
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2N2612	179
2N2613	102A
2N2615	108
2N2616	108
2N2617	123AP
2N2618	154
2N2619	5476
2N2621	126A
2N2622	126A
2N2623	126A
2N2624	126A
2N2625	126A
2N2626	126A
2N2627	126A
2N2628	126A
2N2629	126A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N2630	126A
2N2632	74
2N2633	74◆
2N2635	126A
2N2636	179
2N2637	179
2N2638	179
2N2639	81◆
2N2640	81◆
2N2641	81
2N2642	81◆
2N2643	81◆
2N2644	81
2N2645	123A
2N2646	6401
2N2647	6409§
2N2648	100
2N2651	123A
2N2653	5474§
2N2654	160
2N2656	123A
2N2657	2347
2N2658	2347
2N2671	160
2N2672	176
2N2672A	160
2N2672BLK	160
2N2672GRN	160
2N2673	123A
2N2674	123A
2N2675	123A
2N2676	123A
2N2677	123A
2N2678	123A
2N2679	5400
2N2680	5401
2N2680A	5401
2N2687	5400
2N2688	5401
2N2689	5402
2N2690	5404
2N2691	179
2N2691A	179
2N2692	123A
2N2693	123A
2N2695	159
2N2696	159
2N2699	101
2N2706	158
2N2707	158
2N2708	316
2N2709	159
2N2710	311
2N2711	108
2N2712	289A
2N2713	289A
2N2714	289A
2N2715	107
2N2716	107
2N2717	126A
2N2718	126A
2N2719	123A
2N2720	81◆
2N2721	81◆
2N2722	81
2N2729	311
2N2771	70
2N2783	126A
2N2784	108
2N2784/46	278
2N2784/52	108
2N2786	160
2N2786A	160
2N2787	128
2N2788	128
2N2789	128
2N2789S	128
2N2790	123A
2N2791	123A
2N2792	123A
2N2795	126A
2N2796	126A
2N2797	160
2N2798	160
2N2799	160
2N2800	129
2N2800/46	159
2N2801	159
2N2801/46	129
2N2802	82◆
2N2803	82◆
2N2804	82
2N2805	82◆
2N2806	82◆
2N2807	82
2N2811	73§
2N2812	73§
2N2813	73§
2N2814	73§
2N2815	71
2N2816	71◆
2N2819	70
2N2820	70
2N2821	70
2N2823	70
2N2824	70
2N2825	70
2N2831	123A
2N2832	179
2N2836	121
2N2837	159
2N2838	159
2N2845	123A
2N2846	123A
2N2847	123A
2N2848	123A
2N2849	2347
2N2849-1	2347
2N2849-2	74◆
2N2850	2347
2N2850-1	2347
2N2850-2	74◆
2N2851	2347
2N2851-1	2347
2N2851-2	74◆
2N2852	2347
2N2852-1	2347
2N2852-2	74
2N2853	2347
2N2853-1	2347
2N2854	2347◆
2N2854-1	2347◆
2N2855	2347
2N2855-1	2347
2N2856	2347
2N2856-1	2347
2N2857	316
2N2860	160
2N2861	159
2N2862	159
2N2863	128
2N2864	128
2N2865	161
2N2868	128
2N2869	179
2N2869/2N301	179
2N2870	121
2N2873	160
2N2877	75
2N2878	75
2N2879	75
2N2880	75
2N2882	323
2N2883	123A
2N2884	123A
2N2888	5524
2N2889	5527
2N2890	2347
2N2891	2347
2N2892	74
2N2893	74
2N2894	159
2N2894A	159
2N2895	128
2N2896	2347◆
2N2897	128
2N2898	396
2N2899	396
2N2900	128
2N2903	81
2N2903A	81
2N2904	129
2N2904A	129
2N2905	129
2N2905A	129
2N2906	129P
2N2906A	129P
2N2907	129P
2N2907A	129P
2N2909	128
2N2913	81
2N2915	81
2N2915A	81
2N2917	81
2N2919	81◆
2N2919A	81◆
2N2921	289A
2N2922	289A
2N2923	289A
2N2924	289A
2N2924-18	123A
2N2925	289A
2N2926	289A
2N2926-6	289A
2N2926G	289A
2N2926GRN	289A
2N2926ORN	289A
2N2927	159
2N2927/46	159
2N2928	160
2N2929	160
2N2930	102
2N2931	199
2N2932	199
2N2933	199
2N2934	199
2N2935	199
2N2938	123A
2N2939	128
2N2940	396
2N2941	396
2N2943	160
2N2944	159
2N2944A	159
2N2945	159
2N2945A	159
2N2946	159
2N2946A	159
2N2949	195A
2N2952	123A
2N2953	102A
2N2955	126A
2N2956	126A
2N2957	126A
2N2958	123A
2N2959	123A
2N2960	123A
2N2961	123A
2N2968	106
2N2968A	312
2N2969	106
2N2970	106
2N2971	106
2N2972	81
2N2974	81
2N2976	81
2N2978	81◆
2N2983	2347
2N2985	2347
2N2987	324
2N2988	324
2N2989	324
2N2990	324
2N2991	95◆
2N2992	95◆
2N2993	95◆
2N2994	95◆
2N2996	160
2N2997	160
2N2998	160
2N2999	160
2N3009	123A
2N3010	108
2N3011	123A
2N3012	159
2N3013	123A
2N3014	123A
2N3015	123A
2N3019	396
2N3019S	396
2N3020	128
2N3020S	128
2N3024	37
2N3025	37
2N3026	37
2N3027	5400
2N3028	5401
2N3029	5402
2N3030	5400
2N3031	5401
2N3032	5402
2N3035	108
2N3036	128
2N3039	129
2N3040	129
2N3053	128
2N3053A	128
2N3054	384
2N3054A	241◆
2N3055	130
2N3055-1	130
2N3055A	284
2N3055H	130
2N3056	128
2N3056A	396
2N3057	287
2N3057A	396
2N3058	159
2N3059	159
2N3060	159
2N3062	159
2N3066	312
2N3067	312
2N3068	312
2N3070	312
2N3071	312
2N3072	159
2N3073	159
2N3074	160
2N3075	100
2N3077	128
2N3078	128
2N3081	159
2N3082	107
2N3083	107
2N3084	312
2N3085	312
2N3086	312
2N3087	312
2N3088	312
2N3088A	312
2N3089	312
2N3089A	312
2N3091	5572
2N3092	5574
2N3093	5574
2N3094	5574
2N3095	5574
2N3096	5574
2N3097	5574
2N3107	128
2N3108	128
2N3109	128
2N3110	128
2N3114	154
2N3115	123A
2N3116	123A
2N3117	199
2N3120	129
2N3121	159
2N3122	128
2N3123	123A
2N3125	179
2N3127	160
2N3128	123AP
2N3129	123AP
2N3130	123AP
2N3132	179
2N3133	129
2N3134	129
2N3135	159
2N3136	159
2N3137	311
2N3148	160
2N3153	160
2N3209	106
2N3210	123A
2N3211	123A
2N3216	100
2N3217	159
2N3218	159
2N3219	159
2N3224	397
2N3225	397
2N3226	130
2N3227	311
2N3228	5511
2N3232	130
2N3233	130
2N3234	280
2N3236	60
2N3241	123A
2N3241A	123A
2N3242	123A
2N3242A	123A
2N3244	129
2N3245	129
2N3246	123A
2N3248	159
2N3249	159
2N3250	159
2N3250A	159
2N3251	159
2N3251A	159
2N3252	128
2N3253	128
2N3259	5401
2N3261	123A
2N3262	2347
2N3265	71
2N3266	71
2N3267	160
2N3268	123A
2N3279	160
2N3280	160
2N3281	160
2N3282	160
2N3283	160
2N3284	160
2N3285	160
2N3286	160
2N3287	161
2N3288	161
2N3289	161
2N3290	161
2N3291	161
2N3292	161
2N3293	161
2N3294	161
2N3299	123A
2N3299S	311
2N3300	123A
2N3300S	311
2N3301	123A
2N3302	123A
2N3304	106
2N3305	159
2N3306	159
2N3307	159
2N3308	159
2N3310	123A
2N3311	213
2N3312	213
2N3313	213
2N3314	213
2N3315	213
2N3316	213
2N3317	159
2N3318	159
2N3319	159
2N3320	126A
2N3321	126A
2N3322	126A
2N3323	126A
2N3324	126A
2N3325	126A
2N3326	128
2N3329	460
2N3330	460
2N3331	460
2N3332	460
2N3337	161
2N3338	161
2N3339	161
2N3340	123A
2N3341	159
2N3342	106
2N3343	129
2N3344	129
2N3345	129
2N3346	159
2N3347	82
2N3348	82
2N3349	82
2N3350	82
2N3351	82
2N3352	82
2N3371	160
2N3376	460
2N3377	460
2N3378	460
2N3379	460
2N3388	154
2N3389	154
2N3390	199
2N3391	199
2N3391A	199
2N3392	289A
2N3393	289A
2N3394	289A
2N3395	289A
2N3396	289A
2N3397	289A
2N3398	199
2N3399	160
2N3400	126A
2N3401	159
2N3402	85
2N3402(HS)	192AS
2N3403	85
2N3403(HS)	192AS
2N3404	85
2N3404(HS)	192AS
2N3405	85
2N3405(HS)	192AS
2N3407	161
2N3412	126A
2N3413	288
2N3414	289A
2N3415	289A
2N3416	289A
2N3417	192AS
2N3418	234?
2N3419	234?
2N3420	234?
2N3421	234?
2N3426	195A
2N3436	312
2N3437	459
2N3438	312
2N3439	396
2N3439S	396
2N3440	396
2N3441	384
2N3442	87
2N3443	126A
2N3444	128
2N3445	385
2N3446	385
2N3447	327
2N3448	327
2N3449	126A
2N3450	396
2N3451	159
2N3452	312
2N3453	312
2N3454	312
2N3455	312
2N3456	312
2N3460	312
2N3462	123A
2N3463	123A
2N3465	312
2N3466	312
2N3467	129
2N3467S	129
2N3468	129
2N3468S	129
2N3478	316
2N3485	159
2N3485A	159
2N3486	159
2N3486A	159
2N3493	161
2N3494	129
2N3495	288
2N3495S	288
2N3496	159
2N3497	288
2N3498	128
2N3502	129
2N3503	129
2N3504	159
2N3505	159
2N3506	2347
2N3507	2347
2N3508	123A
2N3509	123A
2N3510	123A
2N3511	123A
2N3512	123A
2N3525	5512
2N3526	154
2N3527	159
2N3528	5408
2N3544	311
2N3545	159
2N3546	159
2N3547	159
2N3548	159
2N3549	159
2N3550	159
2N3554	195A
2N3562	108
2N3563	108
2N3563-1	108
2N3564	123A
2N3565	123A
2N3566	123A
2N3567	123A
2N3568	128
2N3569	128
2N3570	316
2N3571	316
2N3572	316
2N3576	106
2N3578(SGD)	326◆
2N3579	159
2N3580	159
2N3581	159
2N3582	159
2N3583	175
2N3584	175
2N3585	175
2N3587	81
2N3588	160
2N3597	71
2N3598	71
2N3599	71
2N3600	161
2N3605	289A
2N3605A	289A
2N3606	289A
2N3606A	289A
2N3607	289A
2N3611	179
2N3612	179
2N3613	179
2N3614	179
2N3615	179
2N3616	179
2N3617	179
2N3618	179
2N3621	72
2N3622	73§
2N3625	72
2N3628	123AP
2N3629	72
2N3631	462§
2N3633	278
2N3638	159
2N3638A	159
2N3639	159
2N3640	159
2N3641	123A
2N3642	123A
2N3643	123A
2N3644	159
2N3645	129
2N3646	123A
2N3647	123A
2N3648	123A
2N3649	5360
2N3649M	5360‡
2N3650	5360
2N3650M	5360‡
2N3651	5360
2N3651M	5360‡
2N3652	5360
2N3652M	5360‡
2N3653	5360
2N3653M	5360‡
2N3654	5360◆
2N3655	5360◆
2N3656	5360◆
2N3657	5360◆
2N3658	5360◆
2N3660	323
2N3661	323
2N3662	107
2N3663	107
2N3665	128
2N3666	128
2N3667	130
2N3668	314
2N3669	314
2N3670	314
2N3671	129
2N3672	159
2N3673	159
2N3677	129
2N3678	128
2N3681	161
2N3682	108
2N3683	161
2N3684	459
2N3684A	312
2N3685	312
2N3685A	312
2N3686	312
2N3686A	312
2N3687	312
2N3687A	311
2N3688	123A
2N3689	123A
2N3690	123A
2N3691	123A
2N3692	123A
2N3693	123A
2N3694	123A
2N3700	154
2N3701	154
2N3702	290A
2N3703	290A
2N3704	85
2N3705	85
2N3706	85
2N3707	289A
2N3708	85
2N3709	289A
2N3710	85
2N3711	289A
2N3712	154
2N3712S	154
2N3713	385
2N3713HS	284
2N3714	385
2N3714HS	284
2N3715(Fast Sw)	385
2N3715(Gen.Purp)	284
2N3716(Fast Sw)	385
2N3716(Gen.Purp)	284
2N3719	2347
2N3720	2347
2N3721	289A
2N3722	128
2N3723	128
2N3724	216◆
2N3724A	216◆
2N3725	216◆
2N3725A	216◆
2N3726	82
2N3727	82
2N3730	127
2N3731	127
2N3732	127
2N3734	324
2N3735	324
2N3736	324
2N3737	324
2N3738	286
2N3739	286
2N3740	292◆
2N3740A	292◆
2N3741	292
2N3741A	292
2N3742	154
2N3743	397
2N3753	5491
2N3754	5360
2N3762	323
2N3763	323
2N3764	323
2N3765	323
2N3766	384
2N3767	384
2N3770	160
2N3771	181
2N3772	181
2N3772C	181
2N3773	284
2N3774	129
2N3775	129
2N3776	129
2N3777	323
2N3778	129
2N3779	129
2N3780	129
2N3781	322§
2N3783	160
2N3784	160
2N3785	160
2N3789	219
2N3790	219
2N3791	219
2N3792	219
2N3792(Gen.Purp)	285
2N3793	123AP
2N3794	123AP
2N3795	323
2N3796	462§
2N3797	462§
2N3798	159
2N3798A	159
2N3799	159
2N3799A	159
2N3800	82
2N3806	82
2N3808	82
2N3810	82
2N3810A	82
2N3819	312
2N3821	459
2N3822	459
2N3823	452
2N3824	459
2N3825	289A
2N3826	289A
2N3827	289A
2N3828	123AP
2N3829	159
2N3830	128
2N3831	2347◆
2N3832	161
2N3839	316
2N3840	159
2N3841	288
2N3843	289A
2N3843A	289A
2N3844	289A
2N3844A	289A
2N3845	289A
2N3845A	289A
2N3850	74◆
2N3851	74◆
2N3852	74◆
2N3853	74◆
2N3854	289A
2N3854A	289A
2N3855	289A
2N3855A	107
2N3856	289A
2N3856A	289A
2N3857	159
2N3858	289A
2N3858A	289A
2N3859	289A
2N3859A	289A
2N3860	289A
2N3862	311
2N3863	130
2N3864	130
2N3866	311
2N3866A	311
2N3867	2347
2N3868	2347
2N3869	311
2N3870	5517
2N3871	5517
2N3872	5518
2N3873	5519
2N3877	289A
2N3877A	289A
2N3878	384
2N3880	316
2N3881	128
2N3883	126A
2N3884	5580
2N3885	5580
2N3886	5580
2N3887	5582
2N3889	5582
2N3890	5582
2N3891	5584
2N3892	5584
2N3893	5584
2N3894	5584
2N3895	5584
2N3896	5542
2N3897	5543
2N3898	5545
2N3899	5547
2N3900	289A
2N3900A	289A
2N3901	199
2N3902	283
2N3903	123AP
2N3904	123AP
2N3904S(SOT-23)	2406
2N3905	159
2N3906	159
2N3906S(SOT-23)	2407
2N3907	81
2N3908	81◆
2N3913	159
2N3914	159
2N3915	106
2N3919	328
2N3920	328
2N3923	154
2N3927	476
2N3927GR	476
2N3930	159
2N3931	159
2N3932	161
2N3933	161
2N3945	128
2N3946	123A
2N3947	123A
2N3948	311
2N3953	316
2N3957	461
2N3959	278
2N3960	278
2N3962	159
2N3963	159
2N3964	159
2N3965	159
2N3967(S,D,G,C)	456
2N3968	312
2N3968(S,D,G,C)	456◆
2N3968A(S,D,G,C)	456◆
2N3969	312
2N3969A	312
2N3970	466
2N3971	466
2N3973	293
2N3974	293
2N3975	293
2N3976	293
2N3977	159
2N3978	159
2N3979	159
2N3983	107
2N3984	107
2N3985	107
2N3995	160
2N3998	75
2N3999	75◆
2N4000	2347
2N4001	2347◆
2N4002	70
2N4003	70
2N4013	123A
2N4014	123A
2N4015	82
2N4016	82
2N4018	82
2N4021	82
2N4024	82
2N4026	129
2N4027	129
2N4028	129
2N4029	129
2N4030	129
2N4031	129

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
2N4032	129
2N4033	129
2N4034	106
2N4035	106
2N4036	129
2N4037	129
2N4038	465
2N4039	465
2N4046	123A
2N4047	128
2N4048	28
2N4048S	28
2N4049	28
2N4050	28◆
2N4051	28
2N4052	28
2N4053	28◆
2N4054	157
2N4055	157
2N4056	157
2N4057	157
2N4058	106
2N4059	106
2N4060	106
2N4061	106
2N4062	290A
2N4063	427/396
2N4064	427/396
2N4065(D,G,C,S)	464§
2N4068	154
2N4071	385
2N4072	123A
2N4073	311
2N4074	123A
2N4075	96
2N4076	96
2N4077	155
2N4079	131 + 155(CP)
2N4080	395
2N4091	466
2N4092	466
2N4101	5513
2N4106	158
2N4111	328
2N4113	328
2N4120(D,G,C,S)	464§
2N4121	159
2N4122	159
2N4123	123AP
2N4124	123AP
2N4125	159
2N4126	159
2N4127	350
2N4128	351
2N4134	161
2N4135	161
2N4137	311
2N4138	123A
2N4140	123A
2N4141	123A
2N4142	159
2N4143	159
2N4144	5400
2N4145	5400
2N4146	5401
2N4147	5402
2N4148	5404
2N4149	5404
2N4167	5481§
2N4168	5481§
2N4169	5482§
2N4170	5483§
2N4171	5485§
2N4172	5485§
2N4173	5487§
2N4174	5487§
2N4175	5481§
2N4176	5481§
2N4177	5482§
2N4178	5483§
2N4179	5485§
2N4180	5485§
2N4181	5487§
2N4182	5487§
2N4208	159
2N4209	159
2N4210	71◆
2N4211	71◆
2N4220	456
2N4221	456
2N4221A	456
2N4222	312
2N4222A	312
2N4223	312
2N4227	123A
2N4228	159
2N4231A	331◆
2N4232A	331◆
2N4233A	331◆
2N4234	129
2N4235	129
2N4236	129
2N4237	128
2N4238	128
2N4239	128
2N4240	175
2N4241	121
2N4248	159
2N4249	159
2N4250	159
2N4250A	159
2N4251	278
2N4252	161
2N4253	161
2N4254	107
2N4255	107
2N4256	289A
2N4257	159
2N4257A	159
2N4258	159
2N4259	161
2N4260	395
2N4261	395
2N4264	123AP
2N4265	123AP
2N4269	154
2N4270	154
2N4273	384
2N4274	123A
2N4275	123A
2N4276	27
2N4277	27
2N4278	27
2N4279	27
2N4280	27
2N4281	27
2N4282	27◆
2N4283	27◆
2N4286	199
2N4287	289A
2N4288	159
2N4289	159
2N4290	159
2N4291	159
2N4292	108
2N4293	108
2N4294	85
2N4295	85◆
2N4296	286
2N4297	286
2N4300	2347
2N4301	73§
2N4302	457
2N4303	457
2N4304	457
2N4313	159
2N4314	129
2N4338	312
2N4340	459◆
2N4346	127
2N4347	87
2N4348	280
2N4351	465
2N4352	464§
2N4354	159
2N4355	159
2N4356	159
2N4357	268
2N4359	159
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2N4362	5570
2N4363	5572
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2N4365	5574
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2N4371	5575
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2N4377	5579
2N4381	460
2N4383	128
2N4385	128
2N4387	153
2N4388	153
2N4389	159
2N4391	466
2N4392	466
2N4395	130
2N4396	130
2N4398	180
2N4399	180
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2N4401	123AP
2N4402	159
2N4403	159
2N4404	129
2N4405	129
2N4406	129
2N4407	129
2N4409	194
2N4410	194
2N4411	159
2N4412	129
2N4412A	129
2N4413	159
2N4413A	159
2N4414	129
2N4414A	129
2N4415	159
2N4415A	159
2N4416	452
2N4416A	452
2N4417	452
2N4418	123AP
2N4419	123AP
2N4420	123AP
2N4421	123AP
2N4422	123AP
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2N4425	192A§
2N4427	346
2N4432	123A
2N4432A	123A
2N4433	161
2N4434	161
2N4435	161
2N4436	123A
2N4437	123A
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2N4442	5444
2N4443	5446
2N4444	5448
2N4449	311
2N4450	123A
2N4451	106
2N4452	159
2N4453	106
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2N4852	6409§
2N4853	6409§
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2N4856A	466
2N4857	466
2N4857A	466
2N4858	466
2N4859	466
2N4859A	466
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2N4860A	466
2N4861	466
2N4861A	466
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2N4867A	312
2N4868	312
2N4868A	312
2N4869	459
2N4869A	459
2N4870	6410§
2N4871	6410§
2N4872	106
2N4873	311
2N4874	311
2N4875	311
2N4876	311
2N4877	2347
2N4888	288
2N4889	159
2N4890	129
2N4891	6409§
2N4893	6401
2N4895	2347
2N4896	2347
2N4897	2347
2N4898	218
2N4899	218
2N4900	218
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2N4902	219
2N4903	219
2N4904	281
2N4905	281
2N4906	281
2N4907	219
2N4908	219
2N4909	219
2N4910	384
2N4911	384
2N4912	384
2N4913	280
2N4914	280
2N4915	280
2N4916	159
2N4917	159
2N4918	185
2N4919	185
2N4920	185◆
2N4921	184
2N4922	184
2N4923	184
2N4924	2347◆
2N4925	154
2N4926	154
2N4927	154
2N4928	129
2N4930	397
2N4931	397
2N4931S	397
2N4934	316
2N4935	311
2N4936	311
2N4943	128
2N4944	128
2N4945	194
2N4946	128
2N4948	6409§
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2N4952	123AP
2N4953	123AP
2N4954	289A
2N4957	395
2N4958	395
2N4959	395
2N4960	128
2N4961	128
2N4962	128
2N4963	128
2N4964	159
2N4965	159
2N4966	123A
2N4967	199
2N4968	123A
2N4969	123A
2N4970	123A
2N4971	159
2N4972	159
2N4982	159
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2N4994	123AP
2N4995	123AP
2N4996	108
2N4997	108
2N5006	72
2N5008	72
2N5022	129
2N5023	129
2N5024	316
2N5030	85◆
2N5031	161
2N5032	161
2N5033	326
2N5034	390
2N5035	390
2N5036	390
2N5037	390
2N5038	327
2N5038-1	327
2N5039	327
2N5039-1	327
2N5040	129
2N5041	129
2N5042	129
2N5045	312
2N5046	312
2N5047	461
2N5048	73§
2N5049	73§
2N5050	384
2N5051	384
2N5052	384
2N5053	316
2N5054	316
2N5058	154
2N5059	154
2N5060	5400
2N5061	5401
2N5062	5402
2N5063	5404
2N5064	5404
2N5067	280
2N5068	280
2N5069	280
2N5073	154
2N5074	95
2N5075	95
2N5076	95
2N5077	95
2N5078	452
2N5081	123A
2N5082	123A
2N5086	159
2N5087	159
2N5088	47
2N5089	47
2N5107	123A
2N5109	278
2N5110	129
2N5111	129
2N5126	161
2N5127	123A
2N5128	123A
2N5129	123A
2N5130	161
2N5131	123AP
2N5132	161
2N5133	161
2N5134	123A
2N5135	123
2N5136	123
2N5137	123A
2N5138	159
2N5139	159
2N5140	106
2N5141	106
2N5142	159
2N5143	159
2N5145	123A
2N5148	2347
2N5150	2347
2N5152	2347
2N5154	2347
2N5156	179
2N5157	283
2N5163	312
2N5164	5514
2N5165	5514
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2N5167	5516
2N5168	5521
2N5169	5524
2N5171	5529
2N5172	289A
2N5174	289A
2N5175	194
2N5176	154
2N5179	316
2N5180	161
2N5181	161
2N5182	161
2N5183	123
2N5186	123A
2N5187	123A
2N5188	128
2N5189	2347
2N5190	184
2N5191	184
2N5192	184
2N5193	185
2N5194	185
2N5195	185
2N5196	461
2N5197	461
2N5198	461
2N5199	461
2N5200	278
2N5201	278
2N5202	384
2N5204	5547
2N5205	5569
2N5205M	5569‡
2N5206	5569
2N5206M	5569‡
2N5207	5569
2N5207M	5569‡
2N5208	395
2N5209	123AP
2N5210	123AP
2N5211	128
2N5218	73§
2N5219	123AP
2N5220	123AP
2N5221	290A
2N5222	229
2N5223	123AP
2N5224	123AP
2N5225	123AP
2N5226	159
2N5227	159
2N5228	106
2N5232	199
2N5232A	199
2N5233	297
2N5234	297
2N5235	297
2N5236	311
2N5239	94
2N5240	94
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2N5246	312
2N5247	312
2N5248	312
2N5249	199
2N5249A	199
2N5264	385
2N5272	311
2N5273	5683
2N5274	5685
2N5275	5697
2N5277	312
2N5281	397
2N5282	397
2N5288	72
2N5289	72
2N5291	397
2N5292	311
2N5293	152
2N5294	196
2N5295	152
2N5296	152
2N5297	196
2N5298	152
2N5301	181
2N5302	181
2N5303	181
2N5305	172A
2N5306	172A
2N5307	172A
2N5308	172A
2N5308A	172A
2N5309	289A
2N5310	289A
2N5311	289A
2N5313	73§
2N5315	73§
2N5317	72◆
2N5319	72◆
2N5320	2347
2N5320HS	192§
2N5321	2347
2N5322	323
2N5323	323
2N5331	70◆
2N5334	2347
2N5336	2347
2N5337	2347
2N5338	2347
2N5339	2347
2N5346	96
2N5347	96
2N5348	96
2N5349	96
2N5352	106
2N5354	290A
2N5355	290A
2N5356	159
2N5365	159
2N5366	159
2N5367	159
2N5368	123AP
2N5369	123AP
2N5370	123AP
2N5371	123AP
2N5372	159
2N5373	159
2N5374	159
2N5375	159
2N5376	123AP
2N5377	123AP
2N5378	159
2N5379	159
2N5380	123AP
2N5381	123AP
2N5382	159
2N5383	159
2N5397	452
2N5398	452
2N5399	311
2N5400	288
2N5401	288
2N5401S(SOT-23)	2411
2N5415	397
2N5415S	397
2N5416	397
2N5417	123A
2N5418	289A
2N5419	289A
2N5420	289A
2N5421	346
2N5427	377◆
2N5428	377◆
2N5429	377◆
2N5430	377◆
2N5441	5688
2N5442	5689
2N5443	5690
2N5444	5693
2N5445	5695
2N5446	5697
2N5447	159
2N5448	159
2N5449	123A
2N5450	128
2N5451	128
2N5452	461
2N5453	461
2N5454	461
2N5455	129
2N5457	457
2N5458	457
2N5459	459
2N5460	326
2N5461	326
2N5462	326
2N5463	326
2N5464	326
2N5466	283
2N5467	283
2N5477	74
2N5478	74
2N5479	74
2N5480	74
2N5484	312
2N5485	451
2N5485-1	451
2N5486	312
2N5488	2347◆
2N5488-1	2347◆
2N5490	196
2N5491	196
2N5492	196
2N5493	196
2N5494	196
2N5495	196
2N5496	196
2N5497	196
2N5525	172A
2N5526	172A
2N5539	70
2N5542	73§
2N5545	461
2N5546	461
2N5547	461
2N5549	312◆
2N5550	194
2N5550S(SOT-23)	2410
2N5551	194
2N5555	467
2N5567	5688
2N5568	5689
2N5569	5673
2N5570	5675
2N5571	5688
2N5572	5689
2N5573	5673
2N5574	5675
2N5589	347
2N5590	349
2N5591	351
2N5592	459
2N5593	459
2N5594	459
2N5604	175
2N5614	328
2N5616	328
2N5618	123AP
2N5620	328
2N5622	328
2N5624	328
2N5626	328
2N5628	328
2N5629	60
2N5630	60
2N5631	60
2N5632	385
2N5633	385
2N5634	385
2N5638	467
2N5639	467
2N5641	357
2N5642	359
2N5643	360
2N5644	362
2N5645	363
2N5646	364
2N5650	316
2N5651	316
2N5652	316
2N5653	467
2N5654	467
2N5655	157
2N5656	157
2N5657	2327
2N5660	369
2N5668	457
2N5671	327
2N5672	327
2N5679	323
2N5680	323
2N5681	324
2N5682	324
2N5683	30
2N5683(PA)	30
2N5684	30
2N5685	29
2N5686	29
2N5687	346
2N5689	337
2N5690	338
2N5697	486
2N5698	362
2N5702	311
2N5711	357
2N5712	359
2N5713	359
2N5718	457
2N5729	2347
2N5731	72
2N5733	70
2N5738	281
2N5745	180
2N5754	5640
2N5755	5641
2N5756	5642
2N5757	5643
2N5758	385
2N5759	385
2N5760	385
2N5769	123AP
2N5770	108
2N5771	217
2N5772	123AP
2N5777	3035A◆
2N5778	3035A
2N5779	3035A◆
2N5780	3035A◆
2N5784	2347
2N5785	2347
2N5786	2347
2N5787	5400
2N5788	5401
2N5789	5402
2N5790	5404
2N5793	81
2N5794	81
2N5794G	81
2N5795	82
2N5796	82
2N5796G	82
2N5804	283
2N5805	283
2N5806	5693
2N5807	5695
2N5808	5697
2N5809	5697
2N5810	123AP
2N5811	159
2N5812	123AP
2N5814	123AP
2N5816	123AP
2N5817	159
2N5818	128
2N5820	123AP
2N5820HS	192§
2N5821	129
2N5821HS	193
2N5822	123AP
2N5824	123AP
2N5825	123AP
2N5826	123AP
2N5827	123AP
2N5827A	123AP
2N5828	123AP
2N5828A	123AP
2N5829	395
2N5830	287
2N5831	287
2N5832	287
2N5833	287
2N5834	129
2N5838	94
2N5839	94
2N5840	52
2N5845	123AP
2N5845A	123AP
2N5846	282§
2N5847	337
2N5848	338
2N5849	339
2N5851	161
2N5852	161
2N5855(EBC)	298
2N5856	128
2N5857	159
2N5864	323
2N5865	129
2N5869	283
2N5870	283
2N5871	281
2N5874	280
2N5875	285
2N5876	285
2N5877	284
2N5878	284
2N5879	285
2N5880	285
2N5881	328
2N5882	328
2N5883	30◆
2N5883(Audio)	180
2N5884	30◆
2N5884(Audio)	180
2N5885	29◆
2N5885(AUDIO)	181
2N5886	29◆
2N5886(AUDIO)	181
2N5913	472
2N5914	362
2N5915	364
2N5941	471◆
2N5942	471◆
2N5943	77
2N5943YG	77
2N5944	362
2N5945	363
2N5946	364
2N5947	76
2N5953	312
2N5961	123AP
2N5962	123AP
2N5963	123AP
2N5965	154
2N5970	284
2N5971	284
2N5972	284
2N5973	284
2N5974	183§
2N5975	183§
2N5976	183§
2N5977	182§
2N5978	182§
2N5979	182§
2N5980	183§
2N5981	183§
2N5982	183§
2N5983	182§
2N5984	182§
2N5985	182§
2N5986	183§
2N5987	183§
2N5994	360
2N5996	350
2N5998	289A
2N5999	290A
2N6000	123AP
2N6002	123AP
2N6005	159
2N6006	123AP
2N6008	289A
2N6010(EBC)	293
2N6012(EBC)	293
2N6014(EBC)	293
2N6016(EBC)	293
2N6021	153
2N6022	292
2N6023	292
2N6024	292
2N6025	292
2N6026	292
2N6027	6402§
2N6028	6402§
2N6029	61
2N6030	61
2N6031	61
2N6034	254
2N6035	254
2N6036	254
2N6037	253
2N6038	253
2N6039	253
2N6040	262
2N6041	262
2N6042	262
2N6043	261
2N6044	261
2N6045	261
2N6049	242◆
2N6050	248
2N6051	248
2N6052	248
2N6053	244
2N6054	244
2N6055	243
2N6056	243
2N6057	247

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2N6058	247
2N6059	247
2N6067	159
2N6068	5601
2N6069	5601
2N6070	5602
2N6071	5603
2N6072	5605
2N6073	5605
2N6074	5607
2N6075	5607
2N6076(ECB)	159
2N6077	384
2N6078	384
2N6079	384
2N6080	348
2N6081	350
2N6082	351
2N6083	351
2N6084	320
2N6093	471
2N6094	353
2N6095	354
2N6096	355
2N6097	356§
2N6098	377
2N6099	331
2N6100	331
2N6101	331
2N6102	331
2N6103	331
2N6106	197
2N6107	197
2N6108	197
2N6109	153
2N6110	197
2N6111	197
2N6121	377
2N6122	377
2N6123	377
2N6124	378
2N6125	378
2N6126	378
2N6128	72◆
2N6129	196
2N6130	196
2N6131	196
2N6132	197
2N6133	197
2N6134	197
2N6135	76
2N6139	5667A
2N6140	5667A
2N6141	5667A
2N6145	56022
2N6146	56024
2N6147	56026
2N6151	5614
2N6152	5616
2N6153	5618
2N6154	5624§
2N6155	5626§
2N6156	5618
2N6157	5688
2N6158	5689
2N6159	5690
2N6160	5693
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2SA493GR	234◆
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2SA494-GR	234
2SA494-O	234
2SA494-Y	234
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2SA495G-O	290A
2SA495GR	290A
2SA495G-Y	290A◆
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2SA495Y	290A
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2SA499-R	106◆
2SA499-Y	106◆
2SA500	106◆
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2SA500-Y	106◆
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2SA547AJ	427/129
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2SA564T	234
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2SA565B	159
2SA565C	159
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2SA566B	218
2SA566C	218◆
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2SA566HB	218
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2SA567B	159
2SA567C	159
2SA567D(ECB)	234
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2SA568J	290A
2SA568K	290A
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2SA568M	290A
2SA568R	290A
2SA568X	290A
2SA568Y	290A
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2SA569J	290A
2SA570	290A
2SA571	129◆
2SA572	234
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2SA573A	290A
2SA573D	290A
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2SA575K	290A
2SA575L	290A
2SA578(EBC)	234
2SA578A(EBC)	234
2SA578B(EBC)	234
2SA578C(EBC)	234
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2SA579B(EBC)	234
2SA579C(EBC)	234
2SA580	129
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2SA581Y	129
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2SA594-O	129
2SA594-R	129
2SA594-Y	129
2SA597	129◆
2SA603	159
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2SA606	129
2SA606S	129
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2SA607B	427/129
2SA607C	427/129
2SA607D	427/129
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2SA607SC	427/129
2SA607SD	427/129
2SA608	290A
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2SA608KNPE	290A
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2SA608KNPG	290A
2SA608KNP-T	290A
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2SA608NPF(ECB)	159
2SA608NP-T	290A
2SA608SP	290A
2SA609(ECB)	159
2SA609A(ECB)	159
2SA609B(ECB)	159
2SA609C(ECB)	159
2SA609D(ECB)	159
2SA609E(ECB)	159
2SA609F(ECB)	159
2SA609G(ECB)	159
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2SA611-4E	290A
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2SA614	218
2SA616	218
2SA616(1)	218
2SA616(2)	218
2SA617K	159
2SA618K	159
2SA620	290A
2SA620WL	290A
2SA621	129
2SA623	307§
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2SA623A	307§
2SA623B	307§
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2SA623Y	307§
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2SA624L	307§
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2SA624Y	307§
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2SA625Y	129
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2SA626M	88
2SA626N	88
2SA627	88
2SA627K	88
2SA627L	88
2SA627M	88
2SA627N	88
2SA628(BCE)	290A
2SA628A(BCE)	290A
2SA628AC(BCE)	290A
2SA628AD(BCE)	290A
2SA628AE(BCE)	290A
2SA628AF(BCE)	234
2SA628AG(BCE)	234
2SA628B(BCE)	290A
2SA628C(BCE)	290A
2SA628D(BCE)	290A
2SA628E(BCE)	290A
2SA628EF(BCE)	234
2SA628F(BCE)	234
2SA628G(BCE)	234
2SA629	234
2SA634	187A
2SA634-3ZL	187A
2SA634-4L-L	187A
2SA634A	187A
2SA634B	187A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SA634C	187A
2SA634D	187A
2SA634K	187A
2SA634L	187A
2SA634M	187A
2SA634N	187A
2SA636	187
2SA636-4K	187
2SA636-4L	187
2SA636(4)K	187
2SA636(4)L	187
2SA636A	187
2SA636B	187
2SA636C	187
2SA636D	187
2SA636K	187
2SA636L	187
2SA636M	187
2SA637	288
2SA638(ECB)	288
2SA639(ECB)	288
2SA639S(ECB)	288
2SA640	234
2SA640A	234
2SA640B	234
2SA640C	234
2SA640D	234
2SA640E	234
2SA640F	234
2SA640L	234
2SA640M	234
2SA640S	234
2SA641	234
2SA641A	234
2SA641B	234
2SA641C	234
2SA641D	234
2SA641L	234
2SA641M	234
2SA642	290A
2SA642A	290A
2SA642B	290A
2SA642C	290A
2SA642D	290A
2SA642E	290A
2SA642F	290A
2SA642L	290A
2SA642R	290A
2SA642S	290A
2SA642V	290A
2SA642W	290A
2SA642Y	290A
2SA643	193A
2SA643A	193A
2SA643B	193A
2SA643C	193A
2SA643D	193A
2SA643E	193A
2SA643F	193A
2SA643R	193A
2SA643V	193A
2SA643W	193A
2SA645	211
2SA646	211
2SA648	281
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2SA648B	281
2SA648C	281
2SA649	281
2SA649A	281
2SA649B	281
2SA649C	281
2SA653	398
2SA656	88
2SA656A	88
2SA656L	88
2SA656M	88
2SA657	88
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2SA659G	290A
2SA659L	290A
2SA659P	290A
2SA659R	290A
2SA659Y	290A
2SA661	290A
2SA661GR	290A◆
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2SA661Y	290A
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2SA663-BL	219
2SA663-R	219
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2SA671A	378
2SA671B	378
2SA671C	378
2SA671K	378
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2SA671KB	378
2SA671KC	378
2SA672	159
2SA672A	159
2SA672B	159
2SA672C	159
2SA673	290A
2SA673-0	290A
2SA673(B)	290A
2SA673A	290A
2SA673AA	290A
2SA673AB	290A
2SA673AC	290A
2SA673AD	290A
2SA673AE	290A
2SA673AK	290A
2SA673AS	290A
2SA673ASC	290A
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2SA999E	290A
2SA999F	290A
2SA999L(ECB)	159
2SA999LE(ECB)	159
2SA999LF(ECB)	159
2SA1004	159
2SA1004C	159
2SA1004D	159
2SA1007	88
2SA1007A	88
2SA1008	292
2SA1008K	292
2SA1008L	292
2SA1008M	292
2SA1010	332
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2SA1010L	332
2SA1010M	332
2SA1010V	332
2SA1011	398
2SA1011D	398
2SA1011E	398
2SA1012	378
2SA1012-O	153◆
2SA1012Y	378
2SA1013	32
2SA1013-O	32
2SA1013-O(C)	32
2SA1013-OR	32
2SA1013-R	32
2SA1013R	32
2SA1013-Y	32
2SA1015	290A
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2SA1015(GR)Y	290A
2SA1015(Y)Y	290A
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2SA1015FA-1	290A
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2SA1015G	290A
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2SA1015-GR	290A
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2SA1015-O	290A
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2SA1015-OFA	290A
2SA1015-TPE2	290A
2SA1015-Y	290A
2SA1015Y	290A
2SA1015-Y(SAN)	290A
2SA1015-YFA	290A
2SA1015YL	290A
2SA1015Y-TYPE1	290A
2SA1016	234
2SA1016F	234
2SA1016G	234
2SA1016H	234
2SA1016K	234
2SA1016K-F	234
2SA1016KF	234
2SA1016KFG	234
2SA1017	234
2SA1018(ECB)	288
2SA1018P(ECB)	288
2SA1018Q(ECB)	288
2SA1018V(ECB)	288
2SA1018V-Q(ECB)	288
2SA1019	91
2SA1020	2364
2SA1020-O	25
2SA1020Y	25
2SA1021	374
2SA1021-O	374
2SA1021-R	374
2SA1021-Y	374
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2SA1022C	2407
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2SA1023P	290A
2SA1023Q	290A
2SA1025	159
2SA1026	290A
2SA1027	290A
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2SA1029	290A
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2SA1029D	290A
2SA1030	290A
2SA1030B	290A
2SA1030C	290A
2SA1031(ECB)	159
2SA1031B(ECB)	159
2SA1031C(ECB)	159
2SA1031D(ECB)	159
2SA1032(ECB)	159
2SA1032B(ECB)	159
2SA1032C(ECB)	159
2SA1033	159
2SA1033B	159
2SA1033C	159
2SA1033D	159
2SA1034	2409
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2SA1037KQ	2409
2SA1037K-QR	2409
2SA1037KR	2409
2SA1037KS	2409
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2SA1037KT147	2409
2SA1038	91
2SA1038E	91
2SA1038S	91
2SA1039	91
2SA1039E	91
2SA1039S	91
2SA1040	281
2SA1040-GR	290A
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2SA1047F	374
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2SA1048O	2362
2SA1048Y	2362
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2SA1049-GR	290A◆
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2SA1050A	285
2SA1050A-O	285
2SA1050A-R	285
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2SA1051A	285
2SA1051A-O	285
2SA1051A-R	285
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2SA1052	2409
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2SA1052C	2409
2SA1052D	2409
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2SA1060R	37
2SA1061	37
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2SA1062R	37
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2SA1064P	283
2SA1064R	285
2SA1065	285
2SA1065Q	285
2SA1065R	285
2SA1066	159
2SA1067	281
2SA1068	285
2SA1069	378
2SA1069C	378
2SA1072	281
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2SA1073	285
2SA1074	285
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2SA1079	55
2SA1081	159
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2SA1083	159
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2SA1085	129P
2SA1090	159
2SA1090-GR	159
2SA1090-O	159
2SA1090-Y	159
2SA1091(ECB)	288
2SA1091-O(ECB)	288
2SA1091R(ECB)	288
2SA1092	234
2SA1092S	234
2SA1092T	234
2SA1093	37
2SA1096	374#
2SA1096A	374#
2SA1096AQ	374#
2SA1096Q	374#
2SA1100(BCE)	290A
2SA1100D(BCE)	290A
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2SA1100F(BCE)	290A
2SA1100L(BCE)	159
2SA1100LE(BCE)	159
2SA1100LF(BCE)	159
2SA1102	37
2SA1103	37
2SA1104	37
2SA1104A	37
2SA1105	37
2SA1106	37
2SA1109	59
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2SA1115E	290A
2SA1115-EF	290A
2SA1115F	290A◆
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2SA1117	68
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2SA1121D	2407
2SA1122	2409
2SA1122C	2409
2SA1122CD	2409
2SA1122D	2409
2SA1123	32
2SA1123-Q	32
2SA1124	32
2SA1124-Q	32
2SA1124-R	32
2SA1125	398
2SA1125-Q	398
2SA1127	234
2SA1127-R	234
2SA1127-S	234
2SA1127-T	234
2SA1128	290A
2SA1128-Q	290A
2SA1128-R	290A
2SA1128-S	290A
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2SA1129M	378
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2SA1133P	398
2SA1133Q	398
2SA1135	391
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2SA1137Q	290A
2SA1137R	290A
2SA1138	91
2SA1141	37
2SA1142	374
2SA1142P	374
2SA1142Q	374
2SA1144	374
2SA1144-O	374
2SA1145	32
2SA1145-O	32
2SA1145Y	32
2SA1145-Y	32
2SA1146	37
2SA1146-O	37
2SA1146R	37
2SA1146-R	37
2SA1147	68
2SA1150	290A
2SA1150-O	290A
2SA1150-Y	290A
2SA1151	290A
2SA1151R	290A
2SA1152(ECB)	159
2SA1153	159
2SA1154(ECB)	159
2SA1158	290A
2SA1158Y	290A
2SA1160	25
2SA1162	2409
2SA1162G	2409
2SA1162O	2409
2SA1162Y	2409
2SA1163	2411
2SA1163G	2411
2SA1164(ECB)	217
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2SA1170	59
2SA1171	2411
2SA1174	234
2SA1174E	234
2SA1174F	234
2SA1174P	234
2SA1175	2362
2SA1175(H)-Y	2362
2SA1175(J)-Y	2362
2SA1175E	2362
2SA1175F	2362
2SA1175FF	2362
2SA1175H	2362
2SA1175HF	2362
2SA1175-HFE	2362
2SA1175HO	2362
2SA1175J	2362
2SA1175JF	2362
2SA1175JHFE	2362
2SA1175K	234
2SA1175R	2362
2SA1175TP	2362
2SA1175Y	2362
2SA1178	374
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2SA1179M4	2407
2SA1179M5	2407
2SA1179M6	2407
2SA1182	2407
2SA1182O	2407
2SA1182Y	2407
2SA1183	391
2SA1184	374
2SA1184-O	374
2SA1185	37
2SA1185-O	37
2SA1185-P	37
2SA1185-Q	37
2SA1186	37
2SA1188	383
2SA1188D	383
2SA1189	383
2SA1189D	383
2SA1190	383
2SA1190D	383
2SA1191	383
2SA1191D	383
2SA1193	2342
2SA1193K	2342
2SA1194	254◆
2SA1194K	254◆
2SA1198	234
2SA1198R	234
2SA1198RS	234
2SA1198S	234
2SA1199(ECB)	159
2SA1199Q(ECB)	159
2SA1202	2429
2SA1202O	2429
2SA1202Y	2429
2SA1204	2429
2SA1204O	2429
2SA1204Y	2429
2SA1205	37
2SA1206	217◆
2SA1206K	217
2SA1207	32
2SA1209(Audio)	374◆
2SA1209R(Audio)	374◆
2SA1209S(Audio)	374◆
2SA1216	59
2SA1217	185
2SA1220	374
2SA1220A	374
2SA1220AP	374
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2SA1220AR	374
2SA1220P	374
2SA1220Q	374
2SA1220R	374
2SA1221	374◆
2SA1221L	374◆
2SA1226	2407
2SA1226E2	2407
2SA1226E3	2407
2SA1226E4	2407
2SA1227	37
2SA1227A	37
2SA1227AR	37
2SA1227R	37
2SA1232	37
2SA1232Q	37
2SA1232R	37
2SA1235	2407
2SA1235E	2407
2SA1235F	2407
2SA1245	2403
2SA1246	290A
2SA1246R	290A
2SA1246S	290A
2SA1246T	290A
2SA1246U	290A
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2SA1247O25	2411
2SA1248(Audio)	374
2SA1248R(Audio)	374
2SA1248S(Audio)	374
2SA1248T(Audio)	374
2SA1249(Audio)	374
2SA1249R(Audio)	374
2SA1249S(Audio)	374
2SA1249T(Audio)	374
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2SA1252D5	2409
2SA1252D6	2409
2SA1252D7	2409
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2SA1253S	2362
2SA1253T	2362
2SA1255	2413
2SA1255O	2413
2SA1256	2409
2SA1256E3	2409
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2SA1256E5	2409
2SA1257	2411
2SA1257G3	2411
2SA1257G4	2411
2SA1257G5	2411
2SA1262(Audio)	242
2SA1263	37
2SA1263N	37
2SA1263-O	37
2SA1263-R	37
2SA1264	37
2SA1264N	37
2SA1264-O	37
2SA1264-R	37
2SA1265	37
2SA1265N	37
2SA1265NFA-1	37
2SA1265-O	37
2SA1265-R	37
2SA1266	290A
2SA1266GR	290A
2SA1266Y	290A
2SA1267	2362
2SA1270	290A
2SA1270-O	290A
2SA1270Y	290A
2SA1271	383◆
2SA1271-O	383◆
2SA1271Y	383◆
2SA1272	383◆
2SA1272-O	383◆
2SA1272Y	383◆
2SA1274	298
2SA1274-O	298
2SA1274Y	298
2SA1275	32
2SA1275O	32
2SA1275R	32
2SA1276	153
2SA1279	378#
2SA1279-O	378#
2SA1283	383
2SA1283(DE)-T	383
2SA1283C	383
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2SA1284D	383
2SA1284E	383
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2SA1298	2407
2SA1298O	2407
2SA1298Y	2407
2SA1300	12
2SA1300GR	12
2SA1300Y	12
2SA1301	2329
2SA1301-O	2329
2SA1301-R	2329
2SA1302	2329
2SA1302-O	2329
2SA1302-R	2329
2SA1303	2306#
2SA1304	398#
2SA1304(OEC 1)	398#
2SA1305	153#
2SA1305-O	153#
2SA1307	378#
2SA1307-O	378#
2SA1308	378◆
2SA1308-O	378◆
2SA1309	2362
2SA1309A	2362
2SA1309AQ	2362
2SA1309A-QRS	2362
2SA1309AR	2362
2SA1309AS	2362
2SA1309Q	2362
2SA1309R	2362
2SA1310	2362
2SA1310R	2362
2SA1312	2411
2SA1312G	2411
2SA1313	2407
2SA1313O	2407
2SA1313Y	2407
2SA1316	91
2SA1317	2362
2SA1317S	2362
2SA1317T	2362
2SA1318	294
2SA1318R	294
2SA1318S	294
2SA1320(ECB)	288
2SA1321(ECB)	288
2SA1321(TPE6)ECB	288
2SA1327	378#
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2SA1337	2362
2SA1337C	2362
2SA1338	2407
2SA1338AL4	2407
2SA1338AL5	2407
2SA1339	2362
2SA1339S	2362
2SA1339T	2362
2SA1341	2419
2SA1342	2417
2SA1344	2415
2SA1345	2360
2SA1346	2358
2SA1348	2356
2SA1350	2362
2SA1350C	2362
2SA1352	2502
2SA1352D	2502
2SA1352E	2502
2SA1352F	2502
2SA1353	2502
2SA1353D	2502
2SA1353E	2502
2SA1353F	2502
2SA1356	374#
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2SA1358	374#
2SA1358O	374#
2SA1360	374#
2SA1360-O	374#
2SA1360Y	374#
2SA1362	2407
2SA1364	2429
2SA1365	2407
2SA1365E	2407
2SA1365F	2407
2SA1366	2407
2SA1366D	2407
2SA1366E	2407
2SA1366F	2407
2SA1374	2362
2SA1374C	2362
2SA1374D	2362
2SA1378	2362
2SA1378Y	2362
2SA1380	2502
2SA1380D	2502
2SA1380E	2502
2SA1380F	2502
2SA1381	2502
2SA1381C	2502
2SA1381D	2502
2SA1381E	2502
2SA1381F	2502
2SA1382	2364◆
2SA1386	2306#
2SA1387	378#
2SA1390	2362
2SA1390B	2362
2SA1390C	2362
2SA1390D	2362
2SA1390D-TZ	2362
2SA1395	292#
2SA1395K	292#
2SA1395L	292#
2SA1395M	292#
2SA1396(Audio)	332#
2SA1396L(Audio)	332#
2SA1396M(Audio)	332#
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2SA1406D	2502
2SA1406E	2502
2SA1406F	2502
2SA1407	2502
2SA1407D	2502
2SA1407E	2502
2SA1408	374#
2SA1408-0(LB-SAN-2)	374#
2SA1408-O	374#
2SA1408-O(LB)	374#
2SA1408-R	374#
2SA1408-R(LB)	374#
2SA1408-R(LB-SAN-2)	374#
2SA1408YO	374#
2SA1408YR	374#
2SA1415	2431
2SA1415R	2431
2SA1418	2431
2SA1418R	2431
2SA1420	2360
2SA1421	2358
2SA1423	2356
2SA1426	21
2SA1426O	21
2SA1427	21
2SA1427O	21
2SA1430	21
2SA1431	12
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2SA1441M	55#
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2SA1442M	55#
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2SA1450T	383
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2SA1458K	2362
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2SA1458M	2362
2SA1465	383
2SA1465K	383
2SA1465L	383
2SA1465M	383
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2SA1478F	2502
2SA1479	2502
2SA1479C	2502
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2SA1479F	2502
2SA1480	2502
2SA1480C	2502
2SA1480D	2502
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2SA1481	2362
2SA1481F	2362
2SA1482	32
2SA1488	292#
2SA1488A	292#
2SA1489	391#
2SA1490	37
2SA1491	37
2SA1492	2329
2SA1493	59
2SA1494	59
2SA1504S	2409
2SA1507-R-RA	374#
2SA1507S	374#
2SA1507-S-CTV-YA	374#
2SA1515(ECB)	159
2SA1515-S(ECB)	159
2SA1516	2329
2SA1516-O	2329
2SA1516-R	2329
2SA1535	55#
2SA1535P	55#
2SA1535Q	55#
2SA1547	17
2SA1548	19
2SA1549	2342◆
2SA1554	290A◆
2SA1555	232◆
2SA1559	19
2SA1560	21
2SA1561	17
2SA1585-S	12
2SA1586	2407
2SA1588	2407
2SA1591	2370
2SA1598	378#
2SA1599	378#
2SA1617B	2407
2SA1620	2411
2SA1624(ECB)	288
2SA1624(D)-AA	288
2SA1624D(ECB)	288
2SA1634	378
2SA1635	378#
2SA1643	378#
2SA1656	2368
2SA1657	55#
2SA1658	292#
2SA1659	55#
2SA1667	398#
2SA1670	37#
2SA1671	37#
2SA1672	2329
2SA1673	2329
2SA1679	378#
2SA1680	2364◆
2SA1693	391#
2SA1694	37
2SA1698	39
2SA1698P	39
2SA1725	55#
2SA1726	55
2SA1803	37#
2SA1804	37#
2SA1805	37#
2SA1811	294
2SA133104	2407
2SA133105	2407
2SA133106	2407
2SA-NJ101	159
2SANJ101	159
2SB050(Bridge)	5312
2SB-2C	506
2SB4B41	5312
2SB22	102A
2SB22A	102A
2SB22B	102A
2SB22H	102A
2SB22I	102A
2SB22-O	102A
2SB22R	102A
2SB22S	102A
2SB22Y	102A
2SB23	102A
2SB24	102A
2SB25	121
2SB25B	121
2SB26	104
2SB26A	104
2SB27	104
2SB28	104

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SB29	104
2SB30	104
2SB31	104
2SB32	102A
2SB32-0	102A
2SB32-1	102A
2SB32-2	102A
2SB32-4	102A
2SB32N	102A
2SB33	102A
2SB33-4	102A
2SB33C	102A
2SB33D	102A
2SB33E	102A
2SB33F	102A
2SB34	102
2SB34N	102
2SB37	102A
2SB37A	102A
2SB37B	102A
2SB37C	102A
2SB37E	102A
2SB37F	102A
2SB38	102
2SB39	102A
2SB40	102A
2SB41	104
2SB42	121
2SB43	102A
2SB43A	102A
2SB44	102A
2SB46	102A
2SB47	102A
2SB48	102
2SB49	102
2SB50	102
2SB51	102
2SB52	102
2SB53	102
2SB54	102A
2SB54B	102A
2SB54E	102A
2SB54F	102A
2SB54Y	102A
2SB55	102A
2SB56	102A
2SB56A	102A
2SB56B	102A
2SB56C	102A
2SB57	102A
2SB58	158
2SB59	102A
2SB60	102A
2SB60A	102A
2SB61	102A
2SB62	226
2SB63	131
2SB64	127
2SB65	102A
2SB66	102A
2SB66H	102A
2SB69	121
2SB71	102A
2SB72	102
2SB73	102A
2SB73A	102A
2SB73B	102A
2SB73C	102A
2SB73GR	102A
2SB73S	102A
2SB74	158
2SB75	102A
2SB75A	102A
2SB75AH	102A
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2SB598(ECB)	159
2SB598D(ECB)	159
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2SB749AC	93
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2SB790R	19
2SB790S	19
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2SB808G	290A◆
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2SB811F	294◆
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2SB850	378
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2SB863	37
2SB863O	37
2SB863R	37
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2SB867-P	55
2SB867Q	55
2SB867R	55
2SB868	55
2SB868-P	55
2SB868Q	55
2SB868R	55

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SB869	55
2SB869-P	55
2SB869Q	55
2SB869R	55
2SB870	55
2SB870-P	55
2SB870Q	55
2SB870R	55
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2SB871-AP	378
2SB871-AQ	378
2SB871-AR	378
2SB871-P	378
2SB871-Q	378
2SB871-R	378
2SB872	262
2SB872A	262
2SB872AQ	262
2SB872AR	262
2SB872Q	262
2SB872R	262
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2SB882	264
2SB884	262
2SB885	262
2SB886	264
2SB889	185#
2SB889P	185#
2SB891	185#
2SB891P	185#
2SB892	2364
2SB892R	2364
2SB892S	2364
2SB892T	2364
2SB893	12
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2SB893F	12
2SB893G	12
2SB894	17
2SB894-P	17
2SB894-Q	17
2SB894-R	17
2SB894-S	17
2SB894-T	17
2SB896	378
2SB896-A	378
2SB896-AQ	378
2SB896-AR	378
2SB896-Q	378
2SB896-R	378
2SB897	271◆
2SB902	2409
2SB902Q	2409
2SB902R	2409
2SB902S	2409
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2SB904-R	393#
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2SC382R(ECB)	229
2SC382V(ECB)	229
2SC382W(ECB)	229
2SC383	85
2SC383F	85
2SC383G	85
2SC383T	85
2SC383TM	85
2SC383W	85
2SC383Y	85
2SC384	107
2SC384-O	107
2SC384Y	107
2SC385	107
2SC385A	107
2SC386	107
2SC386A-0(TV)	107
2SC387	107
2SC387A	107
2SC387A(FA-3)	107
2SC387AG	107
2SC387G	107
2SC388	107
2SC388A	107
2SC388ATM	107
2SC388A-TM	107
2SC388ATMFA	107
2SC388ATMFA-1	107
2SC388ATV	107
2SC389	161
2SC389-0	161
2SC389R	161
2SC390	316
2SC392	316
2SC394	85
2SC394-0	85
2SC394GR	85
2SC394-O	85
2SC394R	85
2SC394W	85
2SC394X	85
2SC394Y	85
2SC395	123A
2SC395A	123A
2SC395R	123A
2SC396	311
2SC397	161
2SC398	319P
2SC398(FA-1)	319P
2SC399	319P
2SC400	123A
2SC400-0	123A
2SC400B	123A
2SC400-GR	123A
2SC400-R	123A
2SC400-Y	123A
2SC401	289A
2SC401A	289A
2SC401AK	289A
2SC401AL	289A
2SC402	289A
2SC402A	289A
2SC403	289A
2SC403(C)	289A
2SC403A	289A
2SC403C	289A
2SC403C(3RD IF)(ECB)	233
2SC403SP	289A
2SC404	289A
2SC405	123A
2SC406	123A
2SC407	385
2SC408	385
2SC409	385
2SC410	385
2SC411	385
2SC412	385
2SC423	123A
2SC423B	123A
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2SC423D	123A
2SC423E	123A
2SC423F	123A
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2SC423SE	123A
2SC423SF	123A
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2SC425B	123A
2SC425C	123A
2SC425D	123A
2SC425E	123A
2SC425F	123A
2SC429	313
2SC429J	313
2SC429X	313
2SC430	313
2SC430H	313
2SC430W	313
2SC440	311
2SC441	311
2SC442	311
2SC443	128
2SC454	85
2SC454A	85
2SC454B	85
2SC454C	85
2SC454D	85
2SC454L	85
2SC454LA	85
2SC455	289A
2SC456	195A
2SC456A	195A
2SC456D	195A
2SC456-O	195A
2SC458	85
2SC458A	85
2SC458AD	85
2SC458B	85
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2SC458BL	85
2SC458BLG	85
2SC458BX	85
2SC458C	85
2SC458CD	85
2SC458C/D	85
2SC458CLG	85
2SC458CM	85
2SC458-D	85
2SC458D	85
2SC458G	85
2SC458GLB	85
2SC458-GR	85
2SC458K	85
2SC458KA	85
2SC458KB	85
2SC458KC	85
2SC458KD	85
2SC458L	85
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2SC458LC	85
2SC458LG	85
2SC458LG(B)	85
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2SC458LGB	85
2SC458LGBM	85
2SC458LGC	85
2SC458LGD	85
2SC458LGO	85
2SC458LGS	85
2SC458M	85
2SC458-O	85
2SC458P	85
2SC458PGC	85
2SC458RGS	85
2SC458T0K	85
2SC458V	85
2SC458VC	85
2SC458-Y	85
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2SC459B	85
2SC459C	85
2SC459D	85
2SC460	85
2SC460A	85
2SC460AB	85
2SC460B	85
2SC460C	85
2SC460D	85
2SC460F	85
2SC460G	85
2SC460GB	85
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2SC460L	85
2SC461	85
2SC461A	85
2SC461B	85
2SC461C	85
2SC461E	85
2SC461L	85
2SC461R	85
2SC463	161
2SC463H	161
2SC464	316
2SC464C	316
2SC465	316
2SC466	316
2SC466H	316
2SC467	108
2SC467B	108
2SC468	123A
2SC468(LGR)	123A
2SC468A	123A
2SC468B	123A
2SC468C	123A
2SC469	313
2SC469A	313
2SC469F	313
2SC469K	313
2SC469Q	313
2SC469R	313
2SC470	154
2SC472Y	123A
2SC474	123A
2SC475	313
2SC475K	313
2SC476	313
2SC477	161
2SC478	123A
2SC478-4	123A
2SC478(D)	123A
2SC478D	123A
2SC478YL	195A
2SC479	128
2SC479H	128
2SC481	195A
2SC481X	195A
2SC482	195A
2SC482-0	195A
2SC482-GR	195A
2SC482GR	195A
2SC482X	195A
2SC482-Y	195A
2SC482Y	195A
2SC484	324
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2SC484Y	324
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2SC485C	324
2SC485Y	324
2SC486	324
2SC486BL	324
2SC486Y	324
2SC487	175
2SC488	175
2SC489	175
2SC489Y	175
2SC490	175
2SC491	175
2SC491BL	175
2SC491R	175
2SC491Y	175
2SC492	280
2SC493	87
2SC493-BL	87
2SC493-R	87
2SC493-Y	87
2SC495	295
2SC495(CB)	295
2SC495(RF PWR)	295
2SC495AP	295
2SC495AQ	295
2SC495-O	295
2SC495-R	295
2SC495T	295
2SC495-X	295
2SC495Y	295
2SC495-Y	295
2SC495-YX	295
2SC496	295
2SC496-O	295
2SC496-R	295
2SC496Y	295
2SC497	128
2SC497-0	128
2SC497-R	128
2SC497-Y	128
2SC498	128
2SC498-0	128
2SC498-R	128
2SC498-Y	128
2SC499	289A
2SC499R	289A
2SC499-R(FA-1)	289A
2SC499-RY	289A
2SC499Y	289A
2SC499-Y(FA-1)	289A
2SC500	154
2SC500R	154
2SC500Y	154
2SC501	128
2SC502	195A
2SC503	128
2SC503GR	128
2SC503-O	128
2SC503-Y	128
2SC504	128
2SC504GR	128
2SC504-O	128
2SC504-Y	128
2SC505	154
2SC505-O	154
2SC505-R	154
2SC506	154
2SC506-O	154
2SC506-R	154
2SC507	154
2SC507-0	154
2SC507-R	154
2SC507-Y	154
2SC508	384
2SC509	289A
2SC509(0)	289A
2SC509G	85
2SC509-O	289A
2SC509Q	289A
2SC509Y	289A
2SC510	324
2SC510-O	324
2SC510-R	324
2SC511	324
2SC512	324
2SC512-O	324
2SC512-R	324
2SC513	324
2SC513-O	324
2SC513R	324
2SC514	124
2SC515	124
2SC515A	124
2SC515A(BK)	124
2SC515AM	124
2SC515AX	124
2SC515BK	124
2SC515Y	124
2SC516	128
2SC516A	128
2SC517	237
2SC517C	237
2SC519	87
2SC519A	87
2SC520	87
2SC520A	87
2SC521	87
2SC521A	87
2SC522	427/282§
2SC522-0	225
2SC522-R	225
2SC523	427/282§
2SC523-0	427/282§
2SC523-R	427/282§
2SC524	427/282§
2SC524-0	225
2SC524-R	225
2SC525	237
2SC525-0	237
2SC525-R	237
2SC526	154
2SC529	85
2SC529A	85
2SC535	107
2SC535(B)	107
2SC535A	107
2SC535-B	107
2SC535B	107
2SC535C	107
2SC535G	107
2SC535NB	107
2SC536	85
2SC536A	85
2SC536B	85
2SC536C	85
2SC536D	85
2SC536E	85
2SC536-E-NP	85
2SC536F	85
2SC536F-NP	85
2SC536-F-NP	85
2SC536FPD	289A
2SC536FPE	289A
2SC536FPF	289A
2SC536FPG	199
2SC536FPH	199
2SC536G	199
2SC536G-NP	85
2SC536-G-NP	85
2SC536H	199
2SC536K	85
2SC536KD	289A
2SC536KE	289A
2SC536KF	199
2SC536KG	199
2SC536KNP	199
2SC536KNP-AA	85
2SC536KNPD	289A
2SC536KNPE	289A
2SC536KNPF	289A
2SC536KNPFT	85
2SC536KNPG	199
2SC536KNPH	199
2SC536KNP-T	85
2SC536NP	85
2SC536NPD	289A
2SC536NPE	289A
2SC536NPF	289A
2SC536NPG	199
2SC536NPH	199
2SC536NP-T	85
2SC536SPA	2361
2SC536SPAD	2361
2SC536SPADE	2361
2SC536SPADF	2361
2SC536SPD	289A
2SC536SPE	289A
2SC536SPF	289A
2SC536SPG	199
2SC536SPH	199
2SC536Y	85
2SC537	289A
2SC537-01	289A
2SC537(F)	199
2SC537(G)	199
2SC537B	289A
2SC537C	289A
2SC537-C7	289A
2SC537D	289A
2SC537D2	289A
2SC537E	289A
2SC537EF	289A
2SC537EH	289A
2SC537EJ	289A
2SC537EK	289A
2SC537F	289A
2SC537F1	289A
2SC537F2	289A
2SC537FC	289A
2SC537F-C7	289A
2SC537FD	289A
2SC537FV	199
2SC537G	199
2SC537G2	199
2SC537GF	199
2SC537GI	199
2SC537H	199
2SC537HT	199
2SC537W	199
2SC538	123A
2SC538A	123A
2SC538AQ	123A
2SC538P	123A
2SC538Q	123A
2SC538R	123A
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2SC538T	123A
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2SC539K	123A
2SC539L	123A
2SC539P	123A
2SC539Q	123A
2SC539R	123A
2SC539S	123A
2SC540	313
2SC544	107
2SC544C	107
2SC544D	107
2SC544E	107
2SC545	107
2SC545A	107
2SC545B	107
2SC545C	107
2SC545D	107
2SC545E	107
2SC547	311◆
2SC555	311
2SC558	389
2SC560	128
2SC561	108
2SC562	161
2SC562-0	161
2SC562Y	161
2SC563	161
2SC563(3rd IF)	161
2SC563A	161
2SC563A(3rd IF)	161
2SC564	123A
2SC564A	123A
2SC564P	123A
2SC564Q	123A
2SC564R	123A
2SC564S	123A
2SC564T	123A
2SC565	123A
2SC566	311◆
2SC567	316
2SC568	316
2SC571	346
2SC573	476
2SC573R	476
2SC578	123
2SC580	128
2SC582	124
2SC582A	124
2SC582B	124
2SC582BC	124
2SC582BX	124
2SC582BY	124
2SC582C	124
2SC582EA	124
2SC583	316
2SC583C	316
2SC586	280
2SC587	123A
2SC587A	123A
2SC587B	123A
2SC587C	123A
2SC588	123A
2SC589	154
2SC590	154
2SC590Y	289A
2SC593	123A
2SC594	123A
2SC595	123A
2SC596	123A
2SC601	311
2SC602	161
2SC605	313
2SC605(B)	313
2SC605(B)K	313
2SC605(Q)	313
2SC605K	313
2SC605L	313
2SC605M	313
2SC605Q	313
2SC606	313
2SC606(B)	313
2SC606(B)K	313
2SC606A	313
2SC608	237
2SC608E	237
2SC608T	237
2SC609	237
2SC609F	237
2SC609T	237
2SC609Y	237
2SC611	316
2SC612	316
2SC614	195A
2SC614C	195A
2SC614D	195A
2SC614E	195A
2SC614F	195A
2SC614G	195A
2SC615	195A
2SC615A	195A
2SC615B	195A
2SC615C	195A
2SC615D	195A
2SC615E	195A
2SC615F	195A
2SC615G	195A
2SC618	161
2SC618A	161
2SC619(BCE)	85
2SC619B(BCE)	85
2SC619C(BCE)	85
2SC619D(BCE)	85
2SC619E(BCE)	85
2SC620(BCE)	85
2SC620B(BCE)	85
2SC620C(BCE)	85
2SC620CD(BCE)	85
2SC620D(BCE)	85
2SC620DE(BCE)	85
2SC620E(BCE)	85
2SC620M(BCE)	85
2SC620MC(BCE)	85
2SC620MD(BCE)	85
2SC620ME(BCE)	85
2SC620R(BCE)	85
2SC621	85
2SC622	123A
2SC626	123A
2SC627	154
2SC627F	154
2SC627FA	154
2SC627FB	154
2SC628	311
2SC629	107
2SC631	85
2SC631A	85
2SC632	85
2SC632A	85
2SC633	85
2SC633-7	85
2SC633A	85
2SC633G	85
2SC633H	85
2SC634	85
2SC634A	85
2SC634-SP	85
2SC634-SP8	85
2SC638	476
2SC640	313
2SC640B	313
2SC641	85
2SC641B	85
2SC641C	85
2SC641K	85
2SC641KB	85
2SC641KC	85
2SC642	164
2SC642A	164
2SC643	389
2SC643A	389
2SC643A-4A	389
2SC644	199
2SC644C	199
2SC644F	199
2SC644FR	199
2SC644FS	199
2SC644H	199
2SC644HR	199
2SC644HS	199
2SC644P	199
2SC644PJ	199
2SC644Q	199
2SC644QRS	199
2SC644R	199
2SC644RF	199
2SC644RST	199
2SC644S	199
2SC644T	199
2SC645	107◆
2SC645A	107◆
2SC645C	107◆
2SC646	328
2SC647	328
2SC647P	328
2SC647Q	328
2SC647R	328
2SC648	123A
2SC648H	123A
2SC649	123A
2SC649A	123A
2SC649B	123A
2SC650	123A
2SC650A	123A
2SC650B	123A
2SC651	311
2SC652	311
2SC653	316
2SC654	311

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC657	107
2SC658	107
2SC658A	107
2SC659	107
2SC662	108
2SC663	161
2SC664	130
2SC664B	130
2SC664C	130
2SC665	87
2SC665H	87
2SC665HA	87
2SC665HB	87
2SC668	107
2SC668-0	107
2SC668A	107
2SC668B	107
2SC668B1	107
2SC668BC2	107
2SC668C	107
2SC668C1	107
2SC668CD	107
2SC668CE	107
2SC668D	107
2SC668D0	107
2SC668D1	107
2SC668DE	107
2SC668DO	107
2SC668DV	107
2SC668DX	107
2SC668DZ	107
2SC668E	107
2SC668E1	107
2SC668E2	107
2SC668EP	107
2SC668EV	107
2SC668EX	107
2SC668F	107
2SC668SP	107
2SC669	2347
2SC669A	2347
2SC670	124
2SC671K	378
2SC671KA	378
2SC671KB	378
2SC671KC	378
2SC674	107
2SC674B	107
2SC674C	107
2SC674CK	107
2SC674CL	107
2SC674CV	107
2SC674CZ	107
2SC674D	107
2SC674E	107
2SC674F	107
2SC674G	107
2SC674V	107
2SC675	87
2SC677	87
2SC680	286
2SC680A	286
2SC680R	286
2SC681	283
2SC681A	283
2SC681ARD	283
2SC681AYL	283
2SC681B	283
2SC681L	283
2SC681Y	283
2SC681YL	283
2SC682	161
2SC682A	161
2SC682B	161
2SC682E	161
2SC683	161
2SC683A	161
2SC683B	161
2SC683P	161
2SC683Q	161
2SC683R	161
2SC683V	161
2SC684	107
2SC684A	107
2SC684B	107
2SC684BK	107
2SC684F	107
2SC684R	107
2SC685	124
2SC685(0)	124
2SC685A	124
2SC685B	124
2SC685BK	124
2SC685GU	124
2SC685H	124
2SC685HA	124
2SC685HB	124
2SC685P	124
2SC685S	124
2SC685Y	124
2SC686	154
2SC687	280
2SC690	359◆
2SC690A	359◆
2SC693	199
2SC693E	199
2SC693EB	199
2SC693ET	199
2SC693F	199
2SC693FC	199
2SC693FL	199
2SC693FU	199
2SC693G	199
2SC693GL	199
2SC693GS	199
2SC693GU	199
2SC693GZ	199
2SC693H	199
2SC693S	199
2SC693SF	199
2SC693SG	199
2SC693SH	199
2SC694	199
2SC694E	199
2SC694F	199
2SC694G	199
2SC694Z	199
2SC695	313
2SC696	128
2SC696(D)	128
2SC696A	128
2SC696AB	128
2SC696AD	128
2SC696AE	128
2SC696AF	128
2SC696AH	128
2SC696AI	128
2SC696AJ	128
2SC696B	128
2SC696D	128
2SC696E	128
2SC696F	128
2SC696G	128
2SC696H	128
2SC696I	128
2SC697	2347/427
2SC697A	2347/427
2SC697AB	2347/427
2SC697AD	2347/427
2SC697AE	2347/427
2SC697AF	2347/427
2SC697AH	2347/427
2SC697AI	2347/427
2SC697AJ	2347/427
2SC697B	2347/427
2SC697D	2347/427
2SC697E	2347/427
2SC697F	2347/427
2SC697H	2347/427
2SC697I	2347/427
2SC697J	2347/427
2SC699	237
2SC705	107
2SC705B	107
2SC705C	107
2SC705D	107
2SC705E	107
2SC705F	107
2SC705TV	107
2SC705TV(3rd IF)	233
2SC707	316
2SC707H	316
2SC708	128
2SC708A	128
2SC708AA	128
2SC708AB	128
2SC708AC	128
2SC708AH	128
2SC708AHA	128
2SC708AHB	128
2SC708AHC	128
2SC708B	128
2SC708C	128
2SC708H	128
2SC709	85
2SC709B	85
2SC709C	85
2SC709CD	85
2SC709D	85
2SC710-0(BCE)	85
2SC710-1(BCE)	85
2SC710-2(BCE)	85
2SC710-3(BCE)	85
2SC710-4(BCE)	85
2SC710-5(BCE)	85
2SC710-13(BCE)	85
2SC710-14(BCE)	85
2SC710-15(BCE)	85
2SC710(B)(BCE)	85
2SC710(BCE)	85
2SC710(C)(BCE)	85
2SC710(D)(BCE)	85
2SC710B2(BCE)	85
2SC710B(BCE)	85
2SC710BC(BCE)	85
2SC710C(BCE)	85
2SC710CD(BCE)	85
2SC710D(BCE)	85
2SC710DE(BCE)	85
2SC710E(BCE)	85
2SC710F(BCE)	85
2SC710P(BCE)	85
2SC710R(BCE)	85
2SC710S(BCE)	85
2SC711(BCE)	85
2SC711A(BCE)	85
2SC711AD(BCE)	85
2SC711AE(BCE)	85
2SC711AF(BCE)	85
2SC711AG(BCE)	199
2SC711AH(BCE)	199
2SC711C(BCE)	85
2SC711D(BCE)	85
2SC711E(BCE)	85
2SC711F(BCE)	85
2SC711G(BCE)	199
2SC711H(BCE)	199
2SC712(BCE)	85
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2SC712B(BCE)	85
2SC712BC(BCE)	85
2SC712C(BCE)	85
2SC712-CD(BCE)	85
2SC712D(BCE)	85
2SC712DE(BCE)	85
2SC712E(BCE)	85
2SC712-O(BCE)	85
2SC712W(BCE)	85
2SC713(BCE)	85
2SC713B(BCE)	85
2SC713C(BCE)	85
2SC713D(BCE)	85
2SC713E(BCE)	85
2SC713M(BCE)	85
2SC713MC(BCE)	85
2SC713MD(BCE)	85
2SC713ME(BCE)	85
2SC713W(BCE)	85
2SC714(BCE)	289A
2SC714B(BCE)	289A
2SC714C(BCE)	289A
2SC714D(BCE)	289A
2SC715	85
2SC715A	85
2SC715B	85
2SC715C	85
2SC715D	85
2SC715E	85
2SC715EJ	85
2SC715EV	85
2SC715F	85
2SC715S	85
2SC715SC	85
2SC715SD	85
2SC715SE	85
2SC715SF	85
2SC715XL	85
2SC716	289A
2SC716B	289A
2SC716C	289A
2SC716D	289A
2SC716E	289A
2SC716F	289A
2SC717	107
2SC717(3rd IF)	107
2SC717(Last IF)	107
2SC717B	107
2SC717BK	107
2SC717BLK	107
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2SC945S	85
2SC945T	85
2SC945TK	85
2SC945TP	85
2SC945TQ	85
2SC945TR	85
2SC945U	85
2SC945X	85
2SC945Y	85
2SC945Z	85
2SC947	161
2SC948	161
2SC948E	161
2SC953	85
2SC953K	85
2SC957	319P
2SC959	128
2SC959A	128
2SC959B	128
2SC959C	128
2SC959D	128
2SC959M	128
2SC959S	128
2SC959SA	128
2SC959SB	128
2SC959SC	128
2SC959SD	128
2SC960	427/128
2SC960-0	427/128
2SC960A	427/128
2SC960B	427/128
2SC960C	427/128
2SC960D	427/128
2SC960K	427/128
2SC960L	427/128
2SC960M	427/128
2SC960N	427/128
2SC960S	427/128
2SC960SA	427/128
2SC960SB	427/128
2SC960SC	427/128
2SC960SD	427/128
2SC960SDQ	427/128
2SC963	123A
2SC964	123A
2SC965	123A
2SC966	123A
2SC967	123A
2SC968	123A
2SC968P	123A
2SC971(EBC)	293◆
2SC972	128
2SC972C	128
2SC972D	128
2SC972E	128
2SC973A	363◆
2SC975A	364◆
2SC979	123A
2SC979-O	123A
2SC979-R	123A
2SC979-Y	123A
2SC980	85
2SC980AG	85
2SC980AGO	85
2SC980AGY	85
2SC980G	85
2SC980GO	85
2SC980GY	85
2SC980O	85
2SC980Y	85
2SC982	172A
2SC983	399
2SC983-0	399
2SC983-0(ECB)	287
2SC983A(ECB)	287
2SC983C(ECB)	287
2SC983D(ECB)	287
2SC983FA-1(ECB)	287
2SC983O(ECB)	287
2SC983-O(ECB)	287
2SC983R(ECB)	287
2SC983-R(ECB)	287
2SC983S(ECB)	287
2SC983-Y(ECB)	287
2SC983Y(ECB)	287
2SC984	128
2SC984A	128
2SC984B	128
2SC984C	128
2SC984H	128
2SC984HA	128
2SC984HB	128
2SC984HC	128
2SC991	311
2SC992	311
2SC993	123A
2SC993D	123A
2SC994	486
2SC995	154
2SC996	427/154
2SC997	161
2SC998	487
2SC998BY	487
2SC999	389
2SC999A	389
2SC1000	199
2SC1000BL	199
2SC1000-BL	199
2SC1000G	199
2SC1000GR	199
2SC1000-GR	199
2SC1000SR	199
2SC1000-Y	199
2SC1000Y	199
2SC1001(EBC)	361
2SC1004	164
2SC1004A	164
2SC1005	165
2SC1005A	165
2SC1006(EBC)	199
2SC1006A(EBC)	199
2SC1006B(EBC)	199
2SC1006C(EBC)	199
2SC1007	123A
2SC1008	128
2SC1008A	128
2SC1009	2408
2SC1009A	2408
2SC1009AFA3	2408
2SC1009AFA4	2408
2SC1009F1	2408
2SC1009F2	2408
2SC1009F3	2408
2SC1009F4	2408
2SC1009F5	2408
2SC1010(EBC)	199
2SC1010A(EBC)	199
2SC1010B(EBC)	199
2SC1010C(EBC)	199
2SC1012	154
2SC1012-0	378
2SC1012A	154
2SC1012E	154
2SC1013	300
2SC1013B	300
2SC1013C	300
2SC1013D	300
2SC1014	300
2SC1014B	300
2SC1014C	300
2SC1014C1	300
2SC1014CD	300
2SC1014D	300
2SC1014D1	300
2SC1014E	300
2SC1017	299§
2SC1017-05	299§
2SC1018	299§
2SC1018-05	299§
2SC1018B	299§
2SC1023	107
2SC1023G	107
2SC1023-O	107
2SC1023-Y	107
2SC1023Y	107
2SC1024	175
2SC1024B	175
2SC1024C	175
2SC1024D	175
2SC1024-D2	175
2SC1024E	175
2SC1024F	175
2SC1025	175
2SC1025CTV	175
2SC1025D	175
2SC1025E	175
2SC1025J	175
2SC1025MT	175
2SC1026	107
2SC1026G	107
2SC1026Y	107
2SC1027	163A
2SC1030	87
2SC1030A	87
2SC1030B	87
2SC1030C	87
2SC1030D	87
2SC1031	286
2SC1032	107
2SC1032G	107
2SC1032Y	107
2SC1033	287
2SC1033A	287
2SC1034	358
2SC1034A	358
2SC1035	161
2SC1035C	161
2SC1035D	161
2SC1035E	161
2SC1036	161
2SC1043	76◆
2SC1044	161
2SC1045	164
2SC1045B	164
2SC1045C	164
2SC1045D	164
2SC1045E	164
2SC1045R	164
2SC1046	165
2SC1046K	165
2SC1046N	165
2SC1047	107
2SC1047B	107
2SC1047BC	107
2SC1047BCD	107
2SC1047BD	107
2SC1047C	107
2SC1047-C	107
2SC1047CD	107
2SC1047D	107
2SC1047E	107
2SC1048	154
2SC1048B	154
2SC1048C	154
2SC1048D	154
2SC1048E	154
2SC1048F	154
2SC1048N	154
2SC1050	94
2SC1050C	94
2SC1050D	94
2SC1050E	94
2SC1050F	94
2SC1051	280
2SC1051C	280
2SC1051D	280
2SC1051E	280
2SC1051F	280
2SC1051L	280
2SC1051LC	280
2SC1051LD	280
2SC1051LE	280
2SC1051LF	280
2SC1052	128
2SC1053	128
2SC1054	161
2SC1055	384
2SC1055F	384
2SC1055H	384
2SC1056	154
2SC1059	124
2SC1060	152
2SC1060A	152
2SC1060B	152
2SC1060BM	152
2SC1060C	152
2SC1060D	152
2SC1061	152
2SC1061A	152
2SC1061B	152
2SC1061BT	152
2SC1061C	152
2SC1061D	152
2SC1061K	152
2SC1061KA	152
2SC1061KB	152
2SC1061KC	152
2SC1061KD	152
2SC1061T	152
2SC1061TB	152
2SC1061T-B	152
2SC1062	396
2SC1067	161
2SC1068	278
2SC1070	161
2SC1071	123A
2SC1072	128
2SC1072A	128
2SC1074	363◆
2SC1075	364◆
2SC1076	365◆
2SC1078	369
2SC1079	280
2SC1079R	280
2SC1079Y	280
2SC1080	280
2SC1080R	280
2SC1080Y	280
2SC1083	346
2SC1085	123A
2SC1086	389
2SC1086M	389
2SC1089	376
2SC1089B	375
2SC1089BD	375
2SC1089C	375
2SC1089D	375
2SC1093/3ZL	165
2SC1095	186A
2SC1095(6)	186A
2SC1095L	186A
2SC1095M	186A
2SC1096	186A
2SC1096-3SL	186A
2SC1096/3ZL	186A
2SC1096-3ZL	186A
2SC1096-3ZM	186A
2SC1096-4Z-L	186A
2SC1096-4ZL	186A
2SC1096(3ZL)	186A
2SC1096(M)	186A
2SC1096A	186A
2SC1096B	186A
2SC1096C	186A
2SC1096D	186A
2SC1096E	186A
2SC1096K	186A
2SC1096L	186A
2SC1096LM	186A
2SC1096M	186A
2SC1096N	186A
2SC1096S	186A
2SC1096W	186A
2SC1096ZL	186A
2SC1098	186
2SC1098-4K	186
2SC1098-4L	186
2SC1098(4)K	186
2SC1098(4)L	186
2SC1098A	186
2SC1098B	186
2SC1098C	186
2SC1098D	186
2SC1098K	186
2SC1098L	186
2SC1098M	186
2SC1099	165
2SC1099K	165
2SC1100	389
2SC1101	164
2SC1101A	164
2SC1101B	164
2SC1101C	164
2SC1101D	164
2SC1101E	164
2SC1101F	164
2SC1101L	164
2SC1102	124
2SC1102(M)	124
2SC1102A	124
2SC1102B	124
2SC1102C	124
2SC1102K	124
2SC1102L	124
2SC1102M	124
2SC1103	154
2SC1103(A)	154
2SC1103A	154
2SC1103B	154
2SC1103C	154
2SC1103L	154
2SC1104	286
2SC1104A	286
2SC1104B	286
2SC1104C	286
2SC1104K	286
2SC1104L	286
2SC1105	124
2SC1105A	124
2SC1105B	124
2SC1105C	124
2SC1105K	124
2SC1105L	124
2SC1105M	124
2SC1106	94
2SC1106A	94
2SC1106B	94
2SC1106C	94
2SC1106K	94
2SC1106L	94
2SC1106M	94
2SC1106P	94
2SC1106Q	94
2SC1106R	94
2SC1107	291
2SC1107Q	291
2SC1108	291
2SC1109	291
2SC1110	87
2SC1111	87
2SC1112	87
2SC1113	384
2SC1114	94
2SC1115	280
2SC1116	284
2SC1116-0	284
2SC1116A	284
2SC1117	161
2SC1117H	161
2SC1122A	364
2SC1123	123AP
2SC1124	190
2SC1124E	190
2SC1124JA	190
2SC1124JD	190
2SC1126	229
2SC1127	171
2SC1127E	171
2SC1127H	171
2SC1127HE	171
2SC1127JR	171
2SC1128	229
2SC1128(3rd IF)	233
2SC1128(Final IF)	233
2SC1128(M)	229
2SC1128(S)	229
2SC1128C	229
2SC1128D	229
2SC1128H	229
2SC1128S(3rdIF)	233
2SC1129	229
2SC1129(M)	229
2SC1129(R)	229
2SC1129R	229
2SC1140	386
2SC1141	386
2SC1142	283
2SC1143	283
2SC1150	128
2SC1151	164
2SC1151A	164
2SC1152	162
2SC1152F	162
2SC1152G	162
2SC1153	389
2SC1153A	389
2SC1154	389
2SC1155	190
2SC1156	190
2SC1157	190
2SC1158	313◆
2SC1159	313◆
2SC1160	175
2SC1160K	175
2SC1160L	175
2SC1161	175
2SC1162	184◆
2SC1162B	184◆
2SC1162C	184◆
2SC1165	486
2SC1165RG	486
2SC1166	289A
2SC1166-0	289A
2SC1166D	289A
2SC1166GR	289A
2SC1166O	289A
2SC1166-O	289A
2SC1166R	289A
2SC1166X	289A
2SC1166Y	289A
2SC1166-Y	289A
2SC1167	389
2SC1168	124
2SC1168X	124
2SC1169	427/488
2SC1170	389
2SC1170A	389
2SC1170B	389
2SC1170B/FA-2	389
2SC1171	164
2SC1172	238
2SC1172A	238
2SC1172B	238
2SC1173	152
2SC1173-0	152
2SC1173(RF PWR)	236
2SC1173A	152
2SC1173C	152
2SC1173-GR	152
2SC1173L	152
2SC1173M	152
2SC1173-O	152
2SC1173R	152
2SC1173-R	152
2SC1173X	152
2SC1173X0	152
2SC1173X(RF PWR)	236
2SC1173XO	152
2SC1173Y	152
2SC1173-Y	152
2SC1173Y(Audio)	152
2SC1174	389
2SC1175	289A
2SC1175A	289A
2SC1175C	289A
2SC1175D	289A
2SC1175E	289A
2SC1175F	289A
2SC1176	350◆
2SC1176A	350◆
2SC1178A	351◆
2SC1180	161
2SC1182B	161
2SC1182C	161
2SC1182D	161
2SC1184	164
2SC1184A	164
2SC1184B	164
2SC1184C	164
2SC1184D	164
2SC1184E	164
2SC1185	162
2SC1185A	162
2SC1185B	162
2SC1185C	162
2SC1185K	162
2SC1185L	162
2SC1185M	162
2SC1187	229
2SC1188	229
2SC1188K	229
2SC1188L	229
2SC1188M	229
2SC1189K	229
2SC1189L	229
2SC1189M	229
2SC1190	350◆
2SC1195	94
2SC1195/FA-1	94
2SC1195FA-1	94
2SC1199	278
2SC1204	289A
2SC1204B	289A
2SC1204C	289A
2SC1204D	199
2SC1205	289A
2SC1205A	289A
2SC1205B	289A
2SC1205C	289A
2SC1208A	320◆
2SC1209(BCE)	85
2SC1209C(BCE)	85
2SC1209D(BCE)	85
2SC1209E(BCE)	85
2SC1210(BCE)	85
2SC1210C(BCE)	85
2SC1210D(BCE)	85
2SC1210E(BCE)	85
2SC1211(BCE)	289A
2SC1211C(BCE)	289A
2SC1211D(BCE)	289A
2SC1211E(BCE)	289A
2SC1212	373
2SC1212A	373
2SC1212AA	373
2SC1212AB	373
2SC1212ABWT	373
2SC1212AC	373
2SC1212ACWT	373
2SC1212AWT	373#
2SC1212AWTA	373
2SC1212AWTB	373
2SC1212AWTC	373
2SC1212B	373
2SC1212C	373
2SC1212WT	373
2SC1212WTA	373
2SC1212WTB	373
2SC1212WTC	373
2SC1213	289A
2SC1213A	289A
2SC1213AA	289A
2SC1213AB	289A
2SC1213AC	289A
2SC1213AD	289A
2SC1213AK	289A
2SC1213AKA	289A
2SC1213AKB	289A
2SC1213AKC	289A
2SC1213AKD	289A
2SC1213B	289A
2SC1213BC	289A
2SC1213C	289A
2SC1213CD	289A
2SC1213D	289A
2SC1214	289A
2SC1214A	289A
2SC1214B	289A
2SC1214C	289A
2SC1214D	289A
2SC1215	107
2SC1215R	107
2SC1215S	107
2SC1215T	107
2SC1216	123A
2SC1219	289A
2SC1220	289A
2SC1220-003	289A
2SC1220E	289A
2SC1220F	289A
2SC1222	199
2SC1222A	199
2SC1222B	199
2SC1222C	199
2SC1222D	199
2SC1222E	199
2SC1222F	199
2SC1222U	199
2SC1226	186A
2SC1226-0	186A
2SC1226A	186A
2SC1226AC	186A
2SC1226AP	186A
2SC1226AQ	186A
2SC1226AR	186A
2SC1226ARL	186A
2SC1226B	186A
2SC1226C	186A
2SC1226CF	186A
2SC1226D	186A
2SC1226F	186A
2SC1226L	186A
2SC1226O	186A
2SC1226P	186A
2SC1226Q	186A
2SC1226QR	186A
2SC1226R	186A
2SC1226RL	186A
2SC1226RL-P	186A
2SC1226RLP	186A
2SC1226RLQ	186A
2SC1226RLR	186A
2SC1226SC	186A
2SC1227F	385
2SC1228	385◆
2SC1230	385◆
2SC1235	124
2SC1235AL	124
2SC1235AM	124
2SC1237	235
2SC1237E	235

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC1237H	235
2SC1237K	235
2SC1239	427/282§
2SC1243	300
2SC1243-24	300
2SC1243C	300
2SC1243C1	300
2SC1243C2	300
2SC1243D	300
2SC1243D1	300
2SC1243D2	300
2SC1243E	300
2SC1244	123A
2SC1246	289A
2SC1246A	289A
2SC1246AB	289A
2SC1246AF	289A
2SC1246AFB	289A
2SC1246AFG	289A
2SC1246AFV	289A
2SC1246AG	289A
2SC1246AV	289A
2SC1246F	289A
2SC1247	289A
2SC1247A	289A
2SC1247AB	289A
2SC1247AF	289A
2SC1247AFB	289A
2SC1247AFG	289A
2SC1247AFV	289A
2SC1247AG	289A
2SC1247AV	289A
2SC1247F	289A
2SC1252	77
2SC1253	278
2SC1254	161
2SC1257	349
2SC1258	350
2SC1268R	54#
2SC1275	316
2SC1278(ECB)	194
2SC1278S(ECB)	194
2SC1279(ECB)	287
2SC1279S(ECB)	287
2SC1279SF	287
2SC1279SH	287
2SC1280	172A
2SC1280A	172A
2SC1280AS	172A
2SC1280S	172A
2SC1284	107
2SC1284C	107
2SC1284D	107
2SC1284E	107
2SC1284F	107
2SC1285S	289A
2SC1293	107
2SC1293A	107
2SC1293A(3RD IF)(ECB)	233
2SC1293B	107
2SC1293B(3RD IF)(ECB)	233
2SC1293C	107
2SC1293C(3RD IF)(ECB)	233
2SC1293D	107
2SC1295	389
2SC1295A	389
2SC1295-O	389
2SC1296	165
2SC1303	346
2SC1303-Q	474
2SC1304	286
2SC1304BK	286
2SC1306	235
2SC1306/1	235
2SC1306-1	235
2SC1306I	235
2SC1306K	235
2SC1306Q	235
2SC1307	236
2SC1307-1	236
2SC1307K	236
2SC1308	238
2SC1308K	238
2SC1308N	238
2SC1309	165
2SC1310	85
2SC1310D	85
2SC1310E	85
2SC1310F	85
2SC1310G	199
2SC1311	85
2SC1311D	85
2SC1311E	85
2SC1311F	85
2SC1311G	199
2SC1312(BCE)	199
2SC1312E(BCE)	199
2SC1312F(BCE)	199
2SC1312G(BCE)	199
2SC1312H(BCE)	199
2SC1312R(BCE)	199
2SC1312Y(BCE)	199
2SC1312YF(BCE)	199
2SC1312YG(BCE)	199
2SC1312YH(BCE)	199
2SC1313(BCE)	199
2SC1313F(BCE)	199
2SC1313G(BCE)	199
2SC1313H(BCE)	199
2SC1313Y(BCE)	199
2SC1313YE(BCE)	199
2SC1313YF(BCE)	199
2SC1313YG(BCE)	199
2SC1313YH(BCE)	199
2SC1315	278
2SC1316	277§
2SC1317	289A
2SC1317B	289A
2SC1317D	289A
2SC1317NC	289A
2SC1317P	289A
2SC1317Q	289A
2SC1317R	289A
2SC1317S	289A
2SC1317T	289A
2SC1318	289A
2SC1318A	289A
2SC1318NC	289A
2SC1318P	289A
2SC1318PQR	289A
2SC1318Q	289A
2SC1318QR	289A
2SC1318R	289A
2SC1318S	289A
2SC1318T	289A
2SC1318X	289A
2SC1320K	107
2SC1324	278
2SC1325	238
2SC1325A	238
2SC1325AK	238
2SC1325AL	238
2SC1326	311
2SC1327	199
2SC1327FS	199
2SC1327R	199
2SC1327S	199
2SC1327T	199
2SC1327TU	199
2SC1327T/U	199
2SC1327TV	199
2SC1327U	199
2SC1327XAN	199
2SC1327Y	199
2SC1328	199
2SC1328R	199
2SC1328S	199
2SC1328T	199
2SC1328U	199
2SC1330	192A§
2SC1330A	192A§
2SC1330B	192A§
2SC1330C	192A§
2SC1330D	192A§
2SC1330L	192A§
2SC1330R	192A§
2SC1332	288
2SC1335	199
2SC1335A	199
2SC1335B	199
2SC1335C	199
2SC1335D	199
2SC1335E	199
2SC1335F	199
2SC1336Q	186A
2SC1337	364◆
2SC1337A	364◆
2SC1340	76◆
2SC1342	107
2SC1342A	107
2SC1342B	107
2SC1342C	107
2SC1343	280
2SC1343-05	280
2SC1343A	280
2SC1343B	280
2SC1343C	280
2SC1343H	280
2SC1343HA	280
2SC1343HB	280
2SC1344	199
2SC1344C	199
2SC1344D	199
2SC1344E	199
2SC1344F	199
2SC1344K	199
2SC1344KD	199
2SC1344KE	199
2SC1344KF	199
2SC1345	199
2SC1345C	199
2SC1345D	199
2SC1345E	199
2SC1345F	199
2SC1345K	199
2SC1346	192A§
2SC1346P	192A§
2SC1346Q	192A§
2SC1346R	192A§
2SC1346S	192A§
2SC1347	192A§
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2SC1684C	289A

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2SC1722S	376◆
2SC1723	376◆
2SC1723-02	376◆
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2SC1749E	376
2SC1749XD	376
2SC1752	287
2SC1753	287
2SC1755	376
2SC1755A	376
2SC1755C	376
2SC1755D	376
2SC1755E	376
2SC1756	376
2SC1756A	376
2SC1756B	376
2SC1756C	376
2SC1756D	376
2SC1756E	376
2SC1756HP	376
2SC1756K	376
2SC1756KE	376
2SC1756M	376
2SC1756MC	376
2SC1756N	376
2SC1756-O	376
2SC1757	376
2SC1757C	376
2SC1757D	376
2SC1757E	376
2SC1758	171
2SC1758-K	171
2SC1758-L	171
2SC1758-M	171
2SC1758-N	171
2SC1760	306
2SC1760-2	306
2SC1760/2	306
2SC1760-3	306
2SC1760-4	306
2SC1760/4	306
2SC1760E	306
2SC1760H	306
2SC1760HY	306
2SC1760JA	306
2SC1761	306◆
2SC1763	471◆
2SC1764	471
2SC1766	85
2SC1766B	85
2SC1766C	85
2SC1766D	85
2SC1766E	199
2SC1766F	199
2SC1768	86
2SC1773	123AP
2SC1774	123AP
2SC1775	90
2SC1775A	90
2SC1775AE	90
2SC1775E	90
2SC1776	123AP
2SC1777	87
2SC1778(CEB)	229
2SC1779(CEB)	319P
2SC1779-A(CEB)	319P
2SC1779-B(CEB)	319P
2SC1780(ECB)	278
2SC1781A	123A
2SC1781B	123A
2SC1781C	123A
2SC1781H	123A
2SC1781HA	123A
2SC1781HB	123A
2SC1781HC	123A
2SC1782	87
2SC1783	87
2SC1784	284
2SC1785	388
2SC1786	388
2SC1787	26
2SC1787LF	26
2SC1787S	26
2SC1787T	26
2SC1788	289A
2SC1788P	289A
2SC1788Q	289A
2SC1788R	289A
2SC1789	107
2SC1789A	107
2SC1789B	107
2SC1790	316
2SC1807	311
2SC1809	107
2SC1809M	107
2SC1809N	107
2SC1809P	107
2SC1810	80§
2SC1811	399
2SC1815	85
2SC1815-0	85
2SC1815(GR)Y	85
2SC1815(GR)-Y	85
2SC1815(Y)Y	85
2SC1815BE	85
2SC1815BL	85
2SC1815G	85
2SC1815GCC	85
2SC1815GR	85
2SC1815GRBL	85
2SC1815GRFA	85
2SC1815GRL	85
2SC1815L	85
2SC1815NEW-BL	85
2SC1815NEW-GR	85
2SC1815NEW-O	85
2SC1815NEW-Y	85
2SC1815-O	85
2SC1815-OFA	85
2SC1815R	85
2SC1815Y	85
2SC1815-YFA	85
2SC1815YL	85
2SC1815YW	85
2SC1816	236◆
2SC1816(HORZ)	379
2SC1816E	236◆
2SC1816H	236◆
2SC1816HM	236◆
2SC1817	236◆
2SC1818	280
2SC1819	376
2SC1819L	376
2SC1819M	376
2SC1819R	376
2SC1819RL	376
2SC1826	196
2SC1826-0	196
2SC1826D	196
2SC1826F	196
2SC1826G	196
2SC1826O	196
2SC1826P	196
2SC1826Q	196
2SC1826R	196
2SC1826Y	196
2SC1827	291
2SC1827Y	291
2SC1828	369
2SC1828B	369
2SC1828R	369
2SC1829	86
2SC1829C	86
2SC1829FA-1	86
2SC1833	85
2SC1834	85
2SC1840	199
2SC1840-E	199
2SC1840E	199
2SC1840F	199
2SC1840P	199
2SC1840-P	199
2SC1841	90
2SC1841E	90
2SC1841F	90
2SC1841FE	90
2SC1841P	90
2SC1841U	90
2SC1842	199
2SC1842E	199
2SC1842F	199
2SC1842P	199
2SC1842U	199
2SC1843	199
2SC1843E	199
2SC1843F	199
2SC1843P	199
2SC1844	199
2SC1844-E	199
2SC1844E	199
2SC1844F	199
2SC1844-F	199
2SC1844-P	199
2SC1844P	199
2SC1845	90
2SC1845E	90
2SC1845EF	90
2SC1845F	90
2SC1845P	90
2SC1845U	90
2SC1846	373#
2SC1846B	373#
2SC1846P	373#
2SC1846-Q	373#
2SC1846Q	373#
2SC1846R	373#
2SC1846RS	373#
2SC1846RSLB	373#
2SC1846RSRL	373#
2SC1846-Y	373#
2SC1847	373#
2SC1847-0	373#
2SC1847Q	373#
2SC1847QBF	373#
2SC1847QR	373#
2SC1847R	373#
2SC1847V	373#
2SC1847VQ	373#
2SC1847VR	373#
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2SC1848Q	186A
2SC1848P	186A
2SC1848Q	186A
2SC1848R	186A
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2SC1849O	123AP
2SC1849P	123AP
2SC1849Q	123AP
2SC1849R	123AP
2SC1849S	123AP
2SC1850	123AP
2SC1850O	123AP
2SC1850P	123AP
2SC1850Q	123AP
2SC1850R	123AP
2SC1850S	123AP
2SC1851	123AP
2SC1851P	123AP
2SC1851Q	123AP
2SC1851R	123AP
2SC1851S	123AP
2SC1852	123AP
2SC1852P	123AP
2SC1852Q	123AP
2SC1852R	123AP
2SC1852S	123AP
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2SC1853B	85
2SC1853C	85
2SC1854	85
2SC1854C	85
2SC1854R	85
2SC1854S	85
2SC1855	229
2SC1856	229
2SC1856M	229◆
2SC1860	2347◆
2SC1860K	2347◆
2SC1860-L	2347◆
2SC1860-M	2347◆
2SC1863	384
2SC1864	384
2SC1865	379
2SC1866	328
2SC1867	385
2SC1868	385
2SC1869	328
2SC1870	388
2SC1871	385
2SC1871A	386
2SC1875	389
2SC1875K	389
2SC1875L	389
2SC1881K	261
2SC1885	399
2SC1885NC	399
2SC1885R	399
2SC1885S	399
2SC1890	90
2SC1890A	90
2SC1890AD	90
2SC1890AE	90
2SC1890AEF	90
2SC1890A-EV	90
2SC1890AF	90
2SC1890AL	90
2SC1890C	90
2SC1890D	90
2SC1890E	90
2SC1890F	90◆
2SC1890P	90
2SC1891	389
2SC1892	389
2SC1893	389
2SC1893FA-1	389
2SC1894	238
2SC1894K	238
2SC1894N	238
2SC1895	238
2SC1896	238
2SC1900	90
2SC1903	373
2SC1904	373
2SC1905	198
2SC1905(1)	198
2SC1905(LB)	198
2SC1905H	198
2SC1905HLB	198
2SC1905LB	198
2SC1906	107
2SC1906A	107◆
2SC1906B	107◆
2SC1906F	107
2SC1906K	107◆
2SC1907	107
2SC1908(BCE)	229
2SC1908E(BCE)	229
2SC1908H(BCE)	229
2SC1909	235
2SC1909K	235
2SC1909R	235
2SC1909S	235
2SC1913	375
2SC1913A	375
2SC1913AP	375◆
2SC1913AQ	375◆
2SC1913AR	375◆
2SC1913AS	375◆
2SC1913P	375
2SC1913Q	375
2SC1913R	375
2SC1913S	375
2SC1914(BCE)	90
2SC1914A(BCE)	90
2SC1914AF(BCE)	90
2SC1914AG(BCE)	90
2SC1914F(BCE)	90
2SC1914G(BCE)	90
2SC1915(BCE)	90
2SC1919(BCE)	199
2SC1919F(BCE)	199
2SC1919G(BCE)	199
2SC1919H(BCE)	199
2SC1921	399
2SC1921-03	399
2SC1922	389◆
2SC1923	107
2SC1923-0	107
2SC1923A	107
2SC1923-BN	107
2SC1923BN	107
2SC1923-O	107
2SC1923-P	107
2SC1923P	107
2SC1923R	107
2SC1923-R	107
2SC1923Y	107
2SC1923-Y	107
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2SC1929R	198
2SC1929S	198
2SC1940	399
2SC1940K	399
2SC1940L	399
2SC1940M	399
2SC1941	399
2SC1941K	399
2SC1941L	399
2SC1941M	399
2SC1942	389◆
2SC1942-03	389
2SC1942-10	389
2SC1942-10/03	389
2SC1944	236
2SC1945(BEC)	236#
2SC1946	344
2SC1947	488
2SC1951	382◆
2SC1953	373#
2SC1953P	373#
2SC1953Q	373#
2SC1953R	373#
2SC1955	488
2SC1955R	488
2SC1957	295
2SC1957B	295
2SC1957K	295
2SC1957Q	295
2SC1959	85
2SC1959(Y)-Y	85
2SC1959GR	85
2SC1959-O	85
2SC1959-Y	85
2SC1959Y	85
2SC1959-YFA	85
2SC1960	85
2SC1962	191
2SC1962-0	191
2SC1962H	191
2SC1962-O	191
2SC1963	83§
2SC1964	236
2SC1964D	236
2SC1965	427/488
2SC1969	236
2SC1969A	236
2SC1969AH	236
2SC1969B	236
2SC1969BH	236
2SC1969C	236
2SC1969H	236
2SC1969X	236
2SC1970	342◆
2SC1971	342
2SC1972	343
2SC1974	236
2SC1974-5	236
2SC1974C	236
2SC1975	235
2SC1975Q	235
2SC1976	340
2SC1977	342
2SC1980	90
2SC1980R	90
2SC1980S	90
2SC1980T	90
2SC1980U	90
2SC1982S	282§
2SC1983	56
2SC1983M	56
2SC1983-O	56
2SC1983Q	56
2SC1983-Q	56
2SC1983R	56
2SC1983Y	56
2SC1983-Y	56
2SC1984	56
2SC1985	196
2SC1986	331
2SC1986D	331
2SC1990B	107
2SC2000	85
2SC2000-K	85
2SC2000K	85
2SC2000L	85
2SC2000-L	85
2SC2000M	85
2SC2000-M	85
2SC2001	85
2SC2001F	85
2SC2001G	85
2SC2001-K	85
2SC2001K	85
2SC2001-L	85
2SC2001L	85
2SC2001-M	85
2SC2001M	85
2SC2002	85
2SC2002K	85
2SC2002-K	85
2SC2002-L	85
2SC2002L	85
2SC2002M	85
2SC2002-M	85
2SC2003	85
2SC2003-K	85
2SC2003K	85
2SC2003-L	85
2SC2003L	85
2SC2003M	85
2SC2003-M	85
2SC2009	229
2SC2009J	229
2SC2012	107
2SC2014	363
2SC2017	386
2SC2018	386
2SC2019	386
2SC2020	235
2SC2021	16◆
2SC2021E	16
2SC2021LN	16◆
2SC2021LNP	16◆
2SC2021LNS	16◆
2SC2021M	16
2SC2021MLN	16
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2SC2021MLNS	16
2SC2021MQ	16
2SC2021MR	16
2SC2021MS	16
2SC2021NLMS	16
2SC2021Q	16◆
2SC2021R	16◆
2SC2021RG	16
2SC2021RJ	16
2SC2021RM	16
2SC2021RS	16
2SC2021S	16
2SC2022	198
2SC2023	231§
2SC2024	295
2SC2025	316◆
2SC2026	23
2SC2026K	23
2SC2027	165
2SC2028	373
2SC2028/1	373
2SC2028-2	373
2SC2028/2	373
2SC2028A	373
2SC2028A/20	373
2SC2028B	373
2SC2028-B/20	373
2SC2028B/20	373
2SC2028-B/B/20	373
2SC2029	235
2SC2029/1	235
2SC2029-1	235
2SC2029/2	235
2SC2029/3	235
2SC2029-3	235
2SC2029/10	235
2SC2029B	235
2SC2029-B/10	235
2SC2029B/10	235
2SC2029B/B/10	235
2SC2029C	235
2SC2034	282§
2SC2035	123AP
2SC2036	373
2SC2037	23
2SC2040	76◆
2SC2043	236
2SC2051	85
2SC2053(BCE)	340◆
2SC2055(BCE)	340◆
2SC2056	488
2SC2057	229
2SC2057C	229
2SC2057D	229
2SC2057E	229
2SC2057F	229
2SC2058	85
2SC2058P	85
2SC2058Q	85
2SC2058S	85
2SC2058S-P	85
2SC2059K	240§
2SC2060	293
2SC2060K	293
2SC2060Q	293
2SC2060QC	293
2SC2060R	293
2SC2060RD	293
2SC2061	297
2SC2061P	297
2SC2061Q	297
2SC2062(ECB)	46
2SC2062B(ECB)	46
2SC2062C(ECB)	46
2SC2063	16◆
2SC2063M	16
2SC2063MN	16
2SC2063MP	16
2SC2063MQ	16
2SC2063N	16◆
2SC2063P	16◆
2SC2063Q	16◆
2SC2067	315
2SC2068	376
2SC2068B	376◆
2SC2068BKLB	376
2SC2068FA1	376
2SC2068FA-1	376
2SC2068G	376◆
2SC2068GS-1	376
2SC2068-GS-1	376
2SC2068LB	376
2SC2068LBBK	376
2SC2069	123A
2SC2070	123A
2SC2071	157
2SC2073	375
2SC2073A	375
2SC2073AD	375
2SC2073AE	375
2SC2073AR	375
2SC2073ARD	375
2SC2073ARE	375
2SC2073B	375
2SC2073C	375
2SC2073D	375
2SC2073E	375
2SC2073FA-1	375
2SC2073FA-4	375
2SC2073L	375
2SC2073LB	375
2SC2073LBGL	375
2SC2073LBGL2	375
2SC2073-O	375
2SC2073R	375
2SC2073RD	375
2SC2073-R-D(LB-SAN-5)	375
2SC2073RE	375
2SC2073-R-E(LB-SAN-5)	375
2SC2073SO	375
2SC2073T	375
2SC2073Y	375
2SC2073-Z	375
2SC2074	322§
2SC2074C	322§
2SC2074Y	322§
2SC2075	236◆
2SC2075J	236◆
2SC2075K	236◆
2SC2076	85
2SC2076(CB)	85
2SC2076B	85
2SC2076B(CB)	85
2SC2076BC	85
2SC2076BC(CB)	85
2SC2076C	85
2SC2076C(CB)	85
2SC2076CD	85
2SC2076CD(CB)	85
2SC2076D	85
2SC2076D(CB)	85
2SC2078	235
2SC2078B	235
2SC2078C	235
2SC2078D	235
2SC2078E	235
2SC2085	376
2SC2085P	376
2SC2085PQ	376
2SC2085Q	376
2SC2086(BCE)	340
2SC2088	199◆
2SC2089	199◆
2SC2091	295
2SC2091D	295
2SC2091J	295
2SC2092	235◆
2SC2092D	235◆
2SC2094	344
2SC2098	236
2SC2099	333◆
2SC2101	348◆
2SC2102	350
2SC2103A	345
2SC2105	364
2SC2107	2406
2SC2107G3	2406
2SC2107G4	2406
2SC2107G5	2406
2SC2107G6	2406
2SC2109	123AP
2SC2113	373#
2SC2117	427/488
2SC2118	427/488
2SC2120	289A
2SC2120-0	289A
2SC2120FA	289A
2SC2120Y	289A
2SC2120-Y	289A
2SC2121	283
2SC2122	283
2SC2129(BCE)	199
2SC2129F(BCE)	199
2SC2129G(BCE)	199
2SC2129H(BCE)	199
2SC2130(BCE)	199
2SC2130F(BCE)	199
2SC2130G(BCE)	199
2SC2130H(BCE)	199
2SC2131	396
2SC2132	366◆
2SC2137	385
2SC2138	385
2SC2139	386
2SC2139A	386
2SC2140	386
2SC2141	373
2SC2146	235
2SC2151	386
2SC2153	108
2SC2166	236
2SC2166D	236
2SC2167(Audio)	375
2SC2167Y(Audio)	375
2SC2167-Y(Audio)	375
2SC2168(Audio)	375
2SC2168-O(Audio)	375
2SC2168-O-N03(Audio)	375
2SC2168-OY(Audio)	375
2SC2168-Y(Audio)	375
2SC2168-Y-N03(Audio)	375
2SC2175	385
2SC2181	320F
2SC2182	360
2SC2184	236
2SC2188	15
2SC2189	328
2SC2190	52
2SC2191	53
2SC2194	49
2SC2194A	49
2SC2195	236
2SC2200	379
2SC2206	15
2SC2206A	15
2SC2206B	15
2SC2206C	15
2SC2206D	15
2SC2206R	15
2SC2206S	15
2SC2209	184
2SC2209-P	184
2SC2209-Q	184
2SC2209R	184
2SC2210	85
2SC2210C	85
2SC2210D	85
2SC2210E	85
2SC2210F	85
2SC2212(EBC)	107
2SC2212A(EBC)	107
2SC2213	108
2SC2215	319P
2SC2216	319P
2SC2221	322§
2SC2228	399
2SC2228A	399
2SC2228AC	399
2SC2228AD	399
2SC2228AE	399
2SC2228AF	399
2SC2228C	399
2SC2228D	399
2SC2228E	399
2SC2228F	399
2SC2228KD	399
2SC2228KE	399
2SC2228M	399
2SC2228O	399

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC2228Y	399
2SC2228YC	399
2SC2228YD	399
2SC2228YE	399
2SC2228YF	399
2SC2229	399
2SC2229-0	399
2SC2229FA	399
2SC2229H	399
2SC2229M	399
2SC2229-M-(SAN-1)	399
2SC2229-O	399
2SC2229O	399
2SC2229-Y	399
2SC2229Y	399
2SC2229Y-TYPE6	399
2SC2230	399
2SC2230A	399
2SC2230AG	399
2SC2230AGR	399
2SC2230A-GR	399
2SC2230A-GR(C)	399
2SC2230AGY	399
2SC2230AY	399
2SC2230A-Y	399
2SC2230B	399
2SC2230G	399
2SC2230GR	399
2SC2230R	399
2SC2230Y	399
2SC2230YGR	399
2SC2231Y	198
2SC2233	51
2SC2234	320
2SC2235	382◆
2SC2236	382
2SC2236-0	382
2SC2236-CY	382
2SC2236D	382
2SC2236O	382
2SC2236-OY	382
2SC2236Y	382
2SC2238	375◆
2SC2238-0	375◆
2SC2238A	375◆
2SC2238A0	375◆
2SC2238AY	374◆
2SC2238Y	375◆
2SC2240	382◆
2SC2240BL	382◆
2SC2240-GL	382◆
2SC2240GR	382◆
2SC2241	376
2SC2242	376
2SC2242BK	376
2SC2242BKL	376
2SC2243	52
2SC2244	53
2SC2245	53
2SC2246	53
2SC2247	2333◆
2SC2256	388
2SC2257	2501
2SC2258	2501
2SC2258A	2501
2SC2260	87
2SC2261	87
2SC2262	87
2SC2263	199
2SC2263B	199
2SC2263-R	199
2SC2263S	199
2SC2263T	199
2SC2264	315
2SC2265H	161
2SC2267H	396
2SC2271	399
2SC2271(E)-AE	399
2SC2271-AE	399
2SC2271-B-CTV	399
2SC2271C	399
2SC2271D	399
2SC2271-D-CTV	399
2SC2271E	399
2SC2271-E-CTV	399
2SC2271G	399
2SC2271M	399
2SC2271MN	399
2SC2271N	399
2SC2271O	399
2SC2271Q	399
2SC2271-WB	399
2SC2271Z	399
2SC2272(D)-AE	399
2SC2274	289A
2SC2274D	289A
2SC2274-DE	289A
2SC2274E	289A
2SC2274F	289A
2SC2274K	289A
2SC2274KD	289A
2SC2274KE	289A
2SC2274KF	289A
2SC2275	375
2SC2275A	375◆
2SC2275P	375
2SC2275Q	375
2SC2277	123AP
2SC2278	171◆
2SC2279	171
2SC2290	317
2SC2291	44
2SC2291F	44
2SC2291G	44
2SC2291H	44
2SC2292	53
2SC2293	53
2SC2294	107
2SC2295	2406
2SC2295A	2406
2SC2295B	2406
2SC2295C	2406
2SC2298	253
2SC2303	386
2SC2304	386
2SC2305	2308
2SC2306	386
2SC2307	2308
2SC2307-Y	2308
2SC2308	289A
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2SC2308C	289A
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2SC2960	2361

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2SC3114T	382
2SC3115	2410
2SC3115D25	2410
2SC3116(Audio)	373
2SC3116R(Audio)	373
2SC3116S(Audio)	373
2SC3116T(Audio)	373
2SC3117(Audio)	373
2SC3117R(Audio)	373
2SC3117S(Audio)	373
2SC3117T(Audio)	373
2SC3119	2402
2SC3120	2402◆
2SC3124	2402◆
2SC3125	2402◆
2SC3127	2402
2SC3128	10
2SC3130	2402
2SC3134	2408
2SC3134D4	2408
2SC3134D5	2408
2SC3134D6	2408
2SC3134D7	2408
2SC3135	2361
2SC3135S	2361
2SC3135T	2361
2SC3136	23
2SC3138	2412
2SC3138O	2412
2SC3143	2410
2SC3143K	2410
2SC3143K3	2410
2SC3143K5	2410
2SC3148	2325
2SC3149	2325
2SC3149L	2325
2SC3150	2325
2SC3151	2309
2SC3152	2309
2SC3153	2309
2SC3154	2309◆
2SC3155	2309◆
2SC3156	2309◆
2SC3158	379◆
2SC3159	379◆
2SC3159L	379◆
2SC3164	2311◆
2SC3167	2319
2SC3169	2337
2SC3169KT	2337
2SC3170	379#
2SC3170P	379#
2SC3171	2308
2SC3173	379
2SC3175	379
2SC3179	377
2SC3179G	377
2SC3179Y	377
2SC3180	36
2SC3180-O	36
2SC3180-R	36
2SC3181	36
2SC3181N	36
2SC3181-O	36
2SC3181-R	36
2SC3182	36
2SC3182N	36
2SC3182NFA-1	36
2SC3182-O	36
2SC3182-R	36
2SC3183	2325
2SC3184	2325
2SC3187(ECB)	287
2SC3189	379
2SC3190	107◆
2SC3192	107
2SC3192-O	107
2SC3192R	107
2SC3193	107
2SC3193-O	107
2SC3193R	107
2SC3194	107◆
2SC3194BN	107◆
2SC3194-O	107◆
2SC3194R	107◆
2SC3195(ECB)	229◆
2SC3195R(ECB)	229◆
2SC3197	107
2SC3198	85
2SC3198GR	85
2SC3198L	199
2SC3198-O	85
2SC3198Y	85
2SC3199	85
2SC3199L	85
2SC3199-O	85
2SC3199Y	85
2SC3202	85
2SC3202-O	85
2SC3202Y	85
2SC3203	382◆
2SC3203-O	382◆
2SC3203Y	382◆
2SC3204	382◆
2SC3204-O	382◆
2SC3204Y	382◆
2SC3206	399
2SC3206-O	399
2SC3206Y	399
2SC3207	399
2SC3208	376
2SC3209	399◆
2SC3209K	399◆
2SC3209L	399◆
2SC3209LK	399◆
2SC3209M	399◆
2SC3210	2308
2SC3211	2309
2SC3211A	2309
2SC3212	2348
2SC3212A	2348
2SC3220	2311◆
2SC3222	219
2SC3226	11
2SC3227	297
2SC3227O	297
2SC3227Y	297
2SC3228	31
2SC3228O	31
2SC3228R	31
2SC3231	51
2SC3235	2337
2SC3239	377#
2SC3239-O	377#
2SC3243	382
2SC3243(DE)-T	382
2SC3243C	382
2SC3243D	382
2SC3243E	382
2SC3244	382
2SC3244C	382
2SC3244D	382
2SC3244E	382
2SC3253	54
2SC3253Q	54
2SC3253R	54
2SC3254	54
2SC3254Q	54
2SC3254R	54
2SC3257	379
2SC3258	377
2SC3258-O	377
2SC3259	2325
2SC3260	2309
2SC3261	2309
2SC3265	2406
2SC3265O	2406
2SC3265Y	2406
2SC3266	11
2SC3266GR	11
2SC3266Y	11
2SC3269	399
2SC3269M	399
2SC3269N	399
2SC3269P	399
2SC3271	2501
2SC3271(N)-L	2501
2SC3271(P)-L	2501
2SC3271N	2501
2SC3271P	2501
2SC3272	157
2SC3272M	157
2SC3272N	157
2SC3277	2308
2SC3279	11
2SC3279L	11
2SC3279M	11
2SC3280	2328
2SC3280-O	2328
2SC3280R	2328
2SC3281	2328
2SC3281-O	2328
2SC3281-R	2328
2SC3284	2305#
2SC3285	2301#
2SC3292	2332
2SC3293	2332
2SC3294	2334
2SC3296	375#
2SC3297	152#
2SC3297-O	152#
2SC3299	377#
2SC3299-O	377#
2SC3299Y	377#
2SC3302	63
2SC3305	2325
2SC3306	2308
2SC3307	2348◆
2SC3308	377◆
2SC3308-O	377◆
2SC3309	2337
2SC3310	2337
2SC3311	2361
2SC3311A	2361
2SC3311AQ	2361
2SC3311AQRS	2361
2SC3311AR	2361
2SC3311A-RTA	2361
2SC3311Q	2361
2SC3311R	2361
2SC3312	2361
2SC3312R	2361
2SC3315B	107◆
2SC3315C	107◆
2SC3316	51◆
2SC3317	379◆
2SC3317-S	379◆
2SC3318	2311◆
2SC3319	2319
2SC3320	2311◆
2SC3321	2319
2SC3322	2309
2SC3324	2410
2SC3324G	2410
2SC3325	2406
2SC3325O	2406
2SC3325Y	2406
2SC3329	90
2SC3330	2361
2SC3330R	2361
2SC3330S	2361
2SC3330T	2361
2SC3331R	293
2SC3331S	293
2SC3333	399
2SC3334	399
2SC3335	2327
2SC3336	2311#
2SC3337	10◆
2SC3344	379#
2SC3352	2339
2SC3352A	2339
2SC3353	2337
2SC3353A	2337
2SC3359	289A
2SC3359-S	289A
2SC3361	2406
2SC3361S4	2406
2SC3361S5	2406
2SC3361S6	2406
2SC3365	2308
2SC3370	92
2SC3374	2402
2SC3376	2309
2SC3380	2430
2SC3384	2319
2SC3385	2319
2SC3387	2301#
2SC3387-01AB	2301#
2SC3387-SY	2301#
2SC3390	2361
2SC3390C	2361
2SC3392	2406
2SC3392AY4	2406
2SC3392AY5	2406
2SC3392AY6	2406
2SC3393	2361
2SC3393S	2361
2SC3393T	2361
2SC3395	2418
2SC3396	2416
2SC3398	2414
2SC3399	2359
2SC3400	2357
2SC3402	2355
2SC3409	2309
2SC3411	2319
2SC3412	2324◆
2SC3413B	2361
2SC3413C	2361
2SC3413D	2361
2SC3413D-TZ	2361
2SC3415	287
2SC3416	2501
2SC3416C	2501
2SC3416D	2501
2SC3416E	2501
2SC3416F	2501
2SC3417	2501
2SC3417C	2501
2SC3417D	2501
2SC3417E	2501
2SC3419O	373#
2SC3419Y	373#
2SC3421O	373#
2SC3423	373#
2SC3423-O	373#
2SC3423Y	373#
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2SC3434	2311#
2SC3434L	2311#
2SC3434M	2311#
2SC3435	2311#
2SC3435L	2311#
2SC3435M	2311#
2SC3440	2406
2SC3440E	2406
2SC3440F	2406
2SC3441	2406
2SC3441D	2406
2SC3441E	2406
2SC3444	2428
2SC3446	2339
2SC3446L	2339
2SC3446M	2339
2SC3446N	2339
2SC3447	2337◆
2SC3447L	2337◆
2SC3447M	2337◆
2SC3447N	2337◆
2SC3448	2309◆
2SC3449	2348
2SC3449L	2348
2SC3449M	2348
2SC3450	2348
2SC3450L	2348
2SC3450M	2348
2SC3456	2339◆
2SC3456K	2339◆
2SC3458	2348
2SC3458K	2348
2SC3458L	2348
2SC3458M	2348
2SC3459	2348
2SC3459K	2348
2SC3459L	2348
2SC3459M	2348
2SC3460	2348
2SC3460K	2348
2SC3460L	2348
2SC3460M	2348
2SC3461	2348
2SC3461K	2348
2SC3461L	2348
2SC3461M	2348
2SC3466	2300◆
2SC3467	399
2SC3467C	399
2SC3467D	399
2SC3467E	399
2SC3468	399◆
2SC3468(D)-AE	399◆
2SC3468(E)-AE	399◆
2SC3468-AE	399◆
2SC3468C	399◆
2SC3468D	399◆
2SC3468E	399◆
2SC3468F	399◆
2SC3470	2361
2SC3470D	2361
2SC3479	2302◆
2SC3480	2302◆
2SC3481	2302◆
2SC3482	2302◆
2SC3483	2301◆
2SC3484	2301◆
2SC3485	2301◆
2SC3486	2300◆
2SC3488	2361
2SC3488GR	2361
2SC3488Y	2361
2SC3490	2325
2SC3493	2402
2SC3494	2361
2SC3494L	2361
2SC3502	2501
2SC3502C	2501
2SC3502D	2501
2SC3502E	2501
2SC3502F	2501
2SC3503	2501
2SC3503C	2501
2SC3503D	2501
2SC3503E	2501
2SC3503F	2501
2SC3503-RA	2501
2SC3505	2309
2SC3506	2301#
2SC3507	2348#
2SC3510	10
2SC3512	10◆
2SC3515	2430
2SC3515O	2430
2SC3515Y	2430
2SC3519	2305◆
2SC3521	2406
2SC3521IKC	2406
2SC3527	2311#
2SC3533	2348#
2SC3534	2348#
2SC3535	2348#
2SC3536	2348#
2SC3546	336
2SC3547	2402
2SC3547A	2402
2SC3547B	2402
2SC3549	2325
2SC3550	2309
2SC3551	2309
2SC3552	2348
2SC3552K	2348
2SC3552L	2348
2SC3552M	2348
2SC3553	2361
2SC3553D	2361
2SC3559	2339
2SC3560	2339
2SC3561	2339
2SC3566	54#
2SC3566K	54#
2SC3566L	54#
2SC3566M	54#
2SC3567	54#
2SC3567K	54#
2SC3567L	54#
2SC3567M	54#
2SC3568	379◆
2SC3568M	379#
2SC3569	51#
2SC3569K	51#
2SC3569L	51#
2SC3569M	51#
2SC3570	2337
2SC3570L	2337
2SC3570M	2337
2SC3571	2337
2SC3571L	2337
2SC3571M	2337
2SC3572	379#
2SC3572L	379#
2SC3572M	379#
2SC3577	2348
2SC3600	2501
2SC3600C	2501
2SC3600D	2501
2SC3600E	2501
2SC3600F	2501
2SC3601	2501
2SC3601C	2501
2SC3601D	2501
2SC3601E	2501
2SC3601F	2501
2SC3605	10◆
2SC3616	2503
2SC3619	2501
2SC3620	2501
2SC3620(LB)	2501
2SC3620(LB-SAN-1)	2501
2SC3620EQ	2501
2SC3621	373◆
2SC3621-0(LB-SAN-2)	373◆
2SC3621-O	373◆
2SC3621-O(LB)	373◆
2SC3621-R	373◆
2SC3621-R(LB)	373◆
2SC3621-R(LB-SAN-2)	373◆
2SC3625	379
2SC3626	2312#
2SC3627	379#
2SC3636	2324
2SC3637	2354
2SC3642	2324
2SC3643	2324
2SC3645	2430
2SC3645R	2430
2SC3645S	2430
2SC3648	2430
2SC3648R	2430
2SC3648S	2430
2SC3653	2359
2SC3654	2357
2SC3656	2355
2SC3657	2309
2SC3658	89
2SC3659	89
2SC3666	22
2SC3666O	22
2SC3667	20
2SC3667O	20
2SC3670	20
2SC3670A	20
2SC3671	11
2SC3672	399◆
2SC3678	2309
2SC3679	2309
2SC3680	2324
2SC3685	2324
2SC3686	2324
2SC3687	2324
2SC3688	2354
2SC3705	2338
2SC3707	2402
2SC3708	382
2SC3708R	382
2SC3708-S	382
2SC3717	107
2SC3717-O	107
2SC3717Y	107
2SC3721GR(ECB)	123AP
2SC3723	2337
2SC3724	2311#
2SC3725	2311#
2SC3729	2324
2SC3731	2361
2SC3731K	2361
2SC3731L	2361
2SC3731M	2361
2SC3737	2348
2SC3738	2354#
2SC3740	11
2SC3740K	11
2SC3740L	11
2SC3740M	11
2SC3743	2339
2SC3746	377#
2SC3746-Q	377#
2SC3747	377#
2SC3747-Q	377#
2SC3748	377#
2SC3748-Q	377#
2SC3749	2339
2SC3750	2337
2SC3751	2339◆
2SC3752	2339◆
2SC3776	10
2SC3777	10
2SC3778	10
2SC3779	10◆
2SC3783	2309
2SC3784	2338
2SC3785	2338
2SC3788	2501
2SC3788E	2501
2SC3788F	2501
2SC3789	2501
2SC3789-C	2501
2SC3789-CD	2501
2SC3789-D	2501
2SC3789E	2501
2SC3789F	2501
2SC3790	2501
2SC3790D	2501
2SC3790E	2501
2SC3790F	2501
2SC3794	2339
2SC3794A	2339
2SC3795	2337
2SC3795A	2337
2SC3796	2348
2SC3796A	2348
2SC3797	2348
2SC3797A	2348
2SC3798	2348
2SC3798A	2348
2SC3799	2348
2SC3799A	2348
2SC3807	2504
2SC3807K	2504
2SC3807R	2504
2SC3807-R-CTV-YA	2504
2SC3811	123AP◆
2SC3811Q	123AP◆
2SC3811R	123AP◆
2SC3813	2308
2SC3821	2337
2SC3822	2337
2SC3830	2337
2SC3831	2311#
2SC3832	2312
2SC3833	2311#
2SC3833LF-128	2311#
2SC3841	2402
2SC3851	291#
2SC3851A	291#
2SC3852	56#
2SC3852A	56#
2SC3853	390#
2SC3854	36
2SC3855	36
2SC3856	2328
2SC3857	58
2SC3858	58
2SC3866	2339
2SC3868	2339
2SC3869	2337
2SC3870	2337
2SC3871	373#
2SC3872	2308#
2SC3873	2308#
2SC3874	2311◆
2SC3875	2408
2SC3875S	2408
2SC3876	2406
2SC3876S	2406
2SC3879	2408
2SC3883	2302
2SC3884A	2324#
2SC3885A	2324#
2SC3886A	2324#
2SC3887A	2324#
2SC3888A	2324#
2SC3889A	2324#
2SC3890	379#
2SC3892A	2353
2SC3893A	2353
2SC3894	2324#
2SC3895	2324#
2SC3896	2324#
2SC3897	2354#
2SC3902	373#
2SC3902-R-RA	373#
2SC3902S	373#
2SC3902-S-CTV-YA	373#
2SC3907	2328
2SC3907-O	2328
2SC3907-R	2328
2SC3909	2309
2SC3910	2311◆
2SC3927	2348
2SC3942	376#
2SC3942RL	376#
2SC3945	376
2SC3968	51
2SC3969	51#
2SC3970	2339
2SC3970A	2339
2SC3971	2339
2SC3971A	2339
2SC3972	2337
2SC3972A	2337
2SC3973	2337
2SC3973A	2337
2SC3974	2348#
2SC3975	2311#
2SC3976	2311#
2SC3977	2339
2SC3977A	2339
2SC3978	2339
2SC3978A	2339
2SC3979	2339
2SC3979A	2339
2SC3980	2348#
2SC3980A	2348#
2SC3981	2348#
2SC3981A	2348#
2SC3982	2348◆
2SC3982A	2348◆
2SC3985	2332#
2SC3986	2332#
2SC3987	2336
2SC3995	2365
2SC4004	2339
2SC4005	2336
2SC4006	2336
2SC4007	377
2SC4008	377#
2SC4010	16
2SC4016	18
2SC4017	172A◆
2SC4020	2325
2SC4026	2337
2SC4032	172A◆
2SC4034(ECB)	287
2SC4037	18
2SC4038	16
2SC4040	20
2SC4051	2337◆
2SC4052	2337
2SC4054	2337
2SC4057	2311#
2SC4058	2311#
2SC4059	2311#
2SC4073	379#
2SC4075	376#
2SC4075(E)-YAC	376#
2SC4075(D)-YAC	376#
2SC4075D	376#
2SC4075E	376#
2SC4075-YAC	376#
2SC4096	2354#
2SC4105	379
2SC4105L	379
2SC4105M	379
2SC4106	379
2SC4106L	379
2SC4106M	379
2SC4107	379
2SC4107L	379
2SC4107M	379
2SC4108	2311#
2SC4108-CTV-YB	2311#
2SC4108N	2311#
2SC4111	2354#
2SC4115-S	11
2SC4115SQR	11
2SC4116	2406
2SC4116-O	2406
2SC4116Y	2406
2SC4118	2406
2SC4118-O	2406
2SC4118Y	2406
2SC4122	2331◆
2SC4123	2353◆
2SC4124	2353◆
2SC4125	2353◆
2SC4130	2312#
2SC4131	2305#
2SC4133	2369
2SC4137	2504
2SC4138	2311#
2SC4139	2311#
2SC4148	377#
2SC4149	377#
2SC4157	2311#
2SC4160	2337
2SC4160L	2337
2SC4161	2337
2SC4161L	2337
2SC4162	379#
2SC4162L	379#
2SC4163	379#
2SC4163L	379#
2SC4164	379
2SC4164L	379
2SC4165	2501◆
2SC4169	2338◆
2SC4199	2354#
2SC4199A	2354#
2SC4204	2503
2SC4206	2309
2SC4209	2410
2SC4209-O	2410
2SC4209Y	2410
2SC4212	2501◆
2SC4217	157#
2SC4217(D)-RAC	157#
2SC4217D	157#
2SC4217-RAC	157#
2SC4231	2339◆
2SC4232	2348◆
2SC4235	2348◆
2SC4236	2348◆
2SC4237	2348◆
2SC4242	2312
2SC4247	2402
2SC4248	2402
2SC4253	2406
2SC4255	2402
2SC4263	2402
2SC4273	2312
2SC4274	379
2SC4274-02	379
2SC4274-02F9	379
2SC4275	2309
2SC4276	2311#
2SC4288A	2365
2SC4291	2331◆
2SC4292	2331◆
2SC4293	2331
2SC4294	2331
2SC4296	2308#
2SC4297	2308#
2SC4298	2308#
2SC4299	2309#
2SC4300	2309#
2SC4301	2309◆
2SC4302	2309#
2SC4303	2324
2SC4303A	2324
2SC4304	2339
2SC4309	2348◆
2SC4312	2348
2SC4313	2348
2SC4327	377#
2SC4354	51◆
2SC4355	377◆
2SC4363	2367
2SC4368	375#
2SC4369	291#
2SC4370	54#
2SC4371	2337
2SC4379	2311
2SC4381	375#
2SC4385	36#
2SC4386	36#
2SC4387	2328
2SC4388	2328
2SC4392	2402
2SC4408	2363◆
2SC4418	2337
2SC4418Y	2337
2SC4418Y-F	2337
2SC4420	2309
2SC4421	2337◆
2SC4423	2308◆
2SC4423-CTV	2308◆

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SC4423-CTV-YB	2308◆
2SC4424	2311#
2SC4424-L-YB	2311#
2SC4424M	2311#
2SC4434	2311#
2SC4435	2324
2SC4436	2324
2SC4437	2324#
2SC4438	2324#
2SC4440	2337
2SC4442	2337
2SC4445	2309#
2SC4466	390#
2SC4467	36
2SC4480	2505
2SC4494	56#
2SC4495	56#
2SC4511	54#
2SC4512	54
2SC4517	2339
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2SD400-E-MP	382
2SD400F	382
2SD400-F-MP	382
2SD401	375
2SD401A	375
2SD401AK	375
2SD401AL	375
2SD401AM	375
2SD401E	375
2SD401EK	375
2SD401EX	388
2SD401H	375
2SD401I	375
2SD401K	375
2SD401L	375
2SD401LA	375
2SD401M	375
2SD401R	375
2SD401Y	375
2SD402	375
2SD402A	375
2SD402AK	375
2SD402AL	375
2SD402AM	375
2SD411	247
2SD413	154
2SD414	373
2SD414Q	373
2SD414R	373
2SD414S	373
2SD415	373
2SD415Q	373
2SD415R	373
2SD415S	373
2SD416	238
2SD417	87
2SD418	165
2SD422	384
2SD423	384
2SD424	284
2SD424-0	284
2SD424-R	284
2SD425	280
2SD425/2SB555(MCP)	281MCP
2SD425O	280
2SD426	280
2SD426O	280
2SD426R	280
2SD427	280
2SD427O	280
2SD427R	280
2SD428	87
2SD437W	385
2SD438	382
2SD438D	382
2SD438E	382
2SD438F	382
2SD439	373
2SD439D	373
2SD439E	373
2SD439F	373
2SD458	283
2SD458Q	283
2SD458R	283
2SD459	263
2SD463	243
2SD467	85
2SD467A	85
2SD467AC	85
2SD467B	85
2SD467BC	85
2SD467C	85
2SD467-C	85
2SD467D	85
2SD468	293
2SD468A	293
2SD468B	293
2SD468C	293
2SD468D	293
2SD469	280
2SD470	321
2SD470(Rect)	116
2SD470A	321
2SD470B	321
2SD470-B	321
2SD471	293
2SD471A	293
2SD471K	293
2SD471KA	293
2SD471L	293
2SD471LA	293
2SD471-M	293
2SD471M	293
2SD471MA	293
2SD471P	293
2SD471Q	293
2SD471R	293
2SD471S	293
2SD473	249
2SD473H	249
2SD476	196
2SD476A	196
2SD476AK	196
2SD476AKB	196
2SD476AKC	196
2SD476B	196
2SD476C	196
2SD476D	196
2SD476K	196
2SD476KB	196
2SD476KC	196
2SD476YL	196
2SD477	152
2SD478	373
2SD478-08	375
2SD478A	375
2SD478B	375
2SD478BS	375
2SD478C	375
2SD478CS	375
2SD478D	375
2SD478WT	375
2SD478Y	375
2SD478YL	375
2SD517	389
2SD519	384
2SD523	243
2SD524	249
2SD525	54
2SD525-0	54
2SD525-O	54
2SD525R	54
2SD525Y	54
2SD526	241
2SD526-0	241
2SD526-O	241
2SD526Y	241
2SD533	283
2SD535	388
2SD536	284◆
2SD537	284◆
2SD538	386
2SD538A	386
2SD545	293
2SD545E	293
2SD545F	293
2SD545G	293
2SD545NP	293
2SD546	369
2SD551	284
2SD551-O	284
2SD551-R	284
2SD552	388
2SD553	54
2SD553-O	54
2SD553-Y	54
2SD555	87
2SD555Q	87
2SD555R	87
2SD555S	87
2SD556	284
2SD557	284
2SD558	2351
2SD560	2326
2SD560KB	2326
2SD560LB	2326
2SD560MB	2326
2SD562	108
2SD564L	193
2SD564M	193
2SD565	97
2SD568	196
2SD568K	196
2SD568L	196
2SD568M	196
2SD569	196
2SD569K	196
2SD569L	196
2SD569M	196
2SD570	196
2SD570P	196
2SD570Q	196
2SD570R	196
2SD571	293
2SD571K	293
2SD571L	293
2SD571M	293
2SD575	389
2SD575L	389
2SD576	154
2SD577	165
2SD581	280
2SD581A	280
2SD582	284
2SD582A	284
2SD586	380§
2SD586A	380§
2SD586Q	380§
2SD586R	380§
2SD586S	380§
2SD587	380§
2SD587A	380§
2SD587AQ	380§
2SD587AR	380§
2SD587AS	380§
2SD587Q	380§
2SD587R	380§
2SD587S	380§
2SD588	380§
2SD588Q	380§
2SD588R	380§
2SD588S	380§
2SD591	199
2SD591R	199
2SD591S	199
2SD592	293
2SD592A	293
2SD592AQ	293
2SD592AR	293
2SD592NC	85
2SD592Q	293
2SD592R	293
2SD596	2406
2SD596DV1	2406
2SD596DV2	2406
2SD596DV3	2406
2SD596DV4	2406
2SD596DV5	2406
2SD597	87
2SD598	87
2SD599	199
2SD599E	199
2SD600	373
2SD600D	373
2SD600E	373
2SD600K	373
2SD600KD	373
2SD600KE	373
2SD601	2408
2SD601A	2408
2SD601AQ	2408
2SD601AQRS	2408
2SD601AQRW	2408
2SD601AQW	2408
2SD601AR	2408
2SD601AS	2408
2SD601ATW	2408
2SD601AW	2408
2SD601Q	2408
2SD601R	2408
2SD601S	2408
2SD602	2406
2SD602A	2406
2SD602AQ	2406
2SD602AR	2406
2SD602AS	2406
2SD602Q	2406
2SD602R	2406
2SD602S	2406
2SD603	289A
2SD603O	289A
2SD603P	289A
2SD603Q	289A
2SD603R	289A
2SD603S	199
2SD603T	199
2SD608	375
2SD608Q	375
2SD608R	375
2SD608S	375
2SD610	375◆
2SD611	384
2SD612	184
2SD612D	184
2SD612E	184
2SD612F	184
2SD612K	184
2SD612KD	184
2SD612KE	184
2SD612KF	184
2SD612K-SA-E	184
2SD613	377◆
2SD613C	377◆
2SD613D	377◆
2SD613E	377◆
2SD613P	380§
2SD613PC	380§
2SD613PD	380§
2SD613PE	380§
2SD616	87
2SD617	247◆
2SD618	130
2SD619	306
2SD621	62§
2SD622	384
2SD624	154
2SD627	389
2SD628	247
2SD628H	247
2SD629	247
2SD629H	247
2SD632	94
2SD632P	94
2SD632Q	94
2SD632R	94
2SD633	261
2SD634	261
2SD635	261
2SD636	16
2SD636-P	16
2SD636Q	16
2SD636QR	16
2SD636QRS	16
2SD636R	16
2SD636RP	16
2SD636RS	16
2SD636S	16
2SD636T	16
2SD637	16◆
2SD637C	16
2SD637CR	16◆
2SD637P	16◆
2SD637PQ	16◆
2SD637PQR	16
2SD637Q	16◆
2SD637QR	16◆
2SD637QRS	16◆
2SD637R	16◆
2SD637RS	16◆
2SD637S	16◆
2SD637T	16
2SD638	18
2SD638PQR	18
2SD638Q	18
2SD638R	18
2SD638S	18
2SD639	18
2SD639Q	18
2SD639R	18
2SD639S	18
2SD640	283
2SD641	386
2SD649	165
2SD649Q	165
2SD654	128
2SD655	11
2SD655D	11
2SD656	175
2SD657	162
2SD658	165
2SD658H	165
2SD661	16
2SD661R	16
2SD661RS	16
2SD661S	16
2SD661ST	16
2SD661T	16
2SD661U	16
2SD662(BCE)	287
2SD662P(BCE)	287
2SD662Q(BCE)	287
2SD664	261
2SD665	284◆
2SD666	382
2SD666A	382
2SD666AB	382
2SD666AC	382
2SD666B	382
2SD666C	382
2SD667	382
2SD667A	382
2SD667AB	382
2SD667AC	382
2SD667AD	382
2SD667B	382
2SD667C	382
2SD667D	382
2SD668	373
2SD668A	373
2SD668AB	373
2SD668AC	373
2SD668B	373
2SD668C	373
2SD669	373
2SD669A	373
2SD669AB	373
2SD669AC	373
2SD669B	373
2SD669C	373
2SD670	249
2SD670H	249
2SD672	162
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2SD673A	87
2SD673AB	87
2SD673AC	87
2SD673B	87
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2SD674	87
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2SD674AB	87
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2SD674B	87
2SD674C	87
2SD675	284
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2SD675AA	284
2SD675AB	284
2SD675AC	284
2SD675B	284
2SD675C	284
2SD676	284
2SD676A	284
2SD676AA	284
2SD676AB	284
2SD676AC	284
2SD676B	284
2SD676C	284
2SD677	53
2SD678	261
2SD678A	261
2SD679	261
2SD679A	261
2SD686	261◆
2SD687	261
2SD689	291
2SD690	384
2SD690-O	384
2SD691	261
2SD691P	247
2SD691Q	247
2SD692	247
2SD692M	243
2SD692P	247
2SD692Q	261
2SD693	97◆
2SD696S	13
2SD704	377
2SD704D	377
2SD704E	377
2SD710A	2406
2SD711	98
2SD711A	98
2SD712	331
2SD712D	331
2SD713	331
2SD713C	331
2SD713D	331
2SD715	270
2SD715K	270
2SD715L	270
2SD716	36
2SD716-O	36
2SD716-R	36
2SD717	390
2SD717-O	390
2SD718	36
2SD718-O	36
2SD718Q	36
2SD718-R	36
2SD721	261
2SD722	261
2SD723	291
2SD724	379
2SD725	165
2SD725-06	238
2SD726	291
2SD726B	291
2SD726C	291
2SD726D	291
2SD727	390
2SD727P	392◆
2SD727Q	392◆
2SD727R	392◆
2SD728	390
2SD728P	392◆
2SD728Q	392◆
2SD728R	392◆
2SD729	251
2SD729H	251
2SD732	87
2SD732K	87
2SD733	280
2SD733C	280
2SD733D	280
2SD733E	280
2SD733F	280
2SD733K	284
2SD733KC	284
2SD733KD	284
2SD733KE	284
2SD733KF	284
2SD734	85
2SD734(F)-AA	85
2SD734(E)-AA	85
2SD734(G)-AA	85
2SD734-AA	85
2SD734D	85
2SD734E	85
2SD734F	85
2SD734G	85
2SD734NP	85
2SD734-T	85
2SD735	92
2SD735B	92
2SD735C	92
2SD736	92
2SD736AB	92
2SD736AC	92
2SD736B	92
2SD736C	92
2SD738	92
2SD738A	92
2SD738AB	92
2SD738AC	92
2SD738B	92
2SD738C	92
2SD743	291
2SD743A	291
2SD745	92
2SD745A	92
2SD745AQ	92
2SD745AR	92
2SD745AS	92
2SD745B	92
2SD745BQ	92
2SD745BR	92
2SD745BS	92
2SD745Q	92
2SD745R	92
2SD745S	92
2SD748	87
2SD748-01	87
2SD748A	87
2SD749	283
2SD750	284
2SD750P	284
2SD750Q	284
2SD751	36◆
2SD754	123AP
2SD754B	123AP
2SD754C	123AP
2SD755	90
2SD756	90
2SD756A	90◆
2SD756E	90
2SD756G	90
2SD759	375
2SD759A	375
2SD759B	375
2SD759C	375
2SD759D	375
2SD760	375
2SD761	375◆
2SD761C	375◆
2SD761D	375◆
2SD761E	375◆
2SD761V	375◆
2SD761VR	375◆
2SD761VRD	375◆
2SD761VRE	375◆
2SD762	152
2SD762A	196
2SD762AQ	196
2SD762AP	196
2SD762AQ	196
2SD762O	152
2SD762-OP	152
2SD762-OPLB	152
2SD762P	152
2SD762Q	152
2SD763	382
2SD763A	92
2SD764	389
2SD765	389
2SD766	369
2SD766P	369
2SD766Q	369
2SD766R	369
2SD767	289A
2SD767Q	289A
2SD768	2343
2SD768K	2343
2SD769	85
2SD769R	85
2SD771	199
2SD772	51
2SD772A	51
2SD772B	51
2SD773	293
2SD773-4	293
2SD773-34	293
2SD773K	293
2SD773L	293
2SD774	382
2SD774-3	382
2SD774-4	382
2SD774-34	382
2SD774K	382
2SD774L	382
2SD776	86
2SD776RW	382
2SD777	2330◆
2SD778(BCE)	85
2SD778Q(BCE)	85
2SD778R(BCE)	85
2SD779(BCE)	85
2SD780	2410
2SD780A	2410
2SD780AD51	2410
2SD780AD52	2410
2SD780AD53	2410
2SD780DW1	2410
2SD780DW2	2410
2SD780DW3	2410
2SD782	379
2SD783	379
2SD786	85
2SD786Q	85
2SD786R	85
2SD787	11
2SD787B	11
2SD787C	11
2SD787D	11
2SD788	11
2SD788-3	11
2SD788-4	11
2SD788-5	11
2SD788B	11
2SD788C	11
2SD788D	11
2SD789	315
2SD789-03C	315
2SD789-3	315
2SD789-4	315
2SD789B	315
2SD789C	315
2SD789D	315
2SD790	382
2SD790B	382
2SD790C	382
2SD792	165
2SD793	184
2SD794	184
2SD794A	184◆
2SD794AD	184
2SD794AP	184◆
2SD794AQ	184◆
2SD794P	184◆
2SD794Q	184
2SD794R	184
2SD795	54
2SD795A	54
2SD795AQ	54
2SD795P	54
2SD795Q	54
2SD795R	54
2SD797	387◆
2SD797-O	387◆
2SD797-Y	387◆
2SD801	2319
2SD803	247
2SD803Q	247
2SD804	152
2SD804B	152
2SD804H	152
2SD804HLB	152
2SD804L	152
2SD804-O	152
2SD804P	152
2SD804Q	152
2SD807	165
2SD807M	165
2SD809	373
2SD811	2310◆
2SD812	54
2SD812P	54
2SD812Q	54
2SD812R	54
2SD813	2406
2SD813P	2406
2SD813Q	2406
2SD813R	2406
2SD814	2410
2SD814Q	2410
2SD814R	2410
2SD814S	2410
2SD818	389
2SD819	389
2SD820	165
2SD820FA-1	165
2SD821	165
2SD822	165
2SD823	379
2SD824A	92
2SD824AB	92
2SD824AC	92
2SD825A	92
2SD825AB	92
2SD825AC	92
2SD831	98◆
2SD833	263◆
2SD836	261
2SD836A	261
2SD836AQ	261
2SD836AR	261
2SD836Q	261
2SD836R	261
2SD837	261
2SD837A	261
2SD837AQ	261
2SD837AR	261
2SD837B	261
2SD837LB	261
2SD837LBPQ	261
2SD837P	261
2SD837PQ	261
2SD837Q	261
2SD837R	261
2SD838	62§
2SD841	51
2SD842	2349
2SD843	377
2SD843-O	377
2SD844	36
2SD844-O	36
2SD845	33§
2SD845Q	33§
2SD845R	33§
2SD847	2304
2SD847A	2304
2SD847B	2304
2SD847C	2304
2SD848A	380§
2SD849	389
2SD850	389
2SD855	54
2SD855A	54
2SD855P	54
2SD855Q	54
2SD855R	54
2SD856	54
2SD856A	54
2SD856LB	54
2SD856M	54
2SD856MLB	54
2SD856O	54
2SD856P	54
2SD856Q	54
2SD856R	54
2SD856S	377
2SD857	54
2SD857A	54
2SD857AP	54
2SD857AQ	54
2SD857AR	54
2SD857P	54
2SD857Q	54
2SD857R	54
2SD858	390
2SD858A	390
2SD858AQ	390
2SD858AR	390
2SD858Q	390
2SD858R	390
2SD859	198
2SD859A	198
2SD859AQ	198
2SD859AR	198
2SD859Q	198
2SD859R	198
2SD860	198
2SD860A	198
2SD860AQ	198
2SD860AR	198
2SD860Q	198
2SD860R	198
2SD863	382
2SD863D	382
2SD863E	382
2SD863E-AE	382
2SD863F	382
2SD864K	2343
2SD866	54
2SD866A	54
2SD866AP	54
2SD866AQ	54
2SD866AR	54
2SD866P	54
2SD866Q	54
2SD866R	54

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SD867	280
2SD868	89
2SD869	89
2SD869-14	89
2SD869B	89
2SD869FA	89
2SD869L	89
2SD869-L	89
2SD869S	89
2SD870	89
2SD870A	89
2SD870FA	89
2SD870Z	89
2SD871	89
2SD871Z	89
2SD872	379
2SD873	388
2SD874	2428
2SD874A	2428
2SD874AQ	2428
2SD874AR	2428
2SD874AS	2428
2SD874Q	2428
2SD874R	2428
2SD874S	2428
2SD874ZR	2428
2SD875	2428
2SD875P	2428
2SD875Q	2428
2SD875R	2428
2SD875S	2428
2SD877	175
2SD877-O	175
2SD877-Y	175
2SD878	328
2SD879(BCE)	11
2SD880	152
2SD880O	152
2SD880-O	152
2SD880-OLBGL2	152
2SD880Y	152
2SD880YLBGL2	152
2SD882	184◆
2SD882P	184
2SD882PM	184
2SD882Q	184
2SD882R	184
2SD883A	380§
2SD883AQ	380§
2SD883AR	380§
2SD884	379
2SD886	56
2SD886A	56
2SD886AQ	56
2SD886Q	56
2SD889	85
2SD889P	85
2SD889Q	85
2SD889R	85
2SD889T	199
2SD890	26
2SD890P	26
2SD890Q	26
2SD890R	26
2SD890S	26
2SD891	172A
2SD891A(ECB)	46
2SD892(ECB)	46
2SD892A(ECB)	46
2SD892AP(ECB)	46
2SD892AQ(ECB)	46
2SD892AR(ECB)	46
2SD892P(ECB)	46
2SD892Q(ECB)	46
2SD892R(ECB)	46
2SD893(ECB)	48◆
2SD893A(ECB)	48◆
2SD893AP(ECB)	48◆
2SD893AQ(ECB)	48◆
2SD893AR(ECB)	48◆
2SD893P(ECB)	48◆
2SD893Q(ECB)	48◆
2SD893R(ECB)	48◆
2SD894	2338◆
2SD895	36
2SD895D	36
2SD895E	36
2SD896	36
2SD896D	36
2SD896E	36
2SD897	89
2SD897A	89
2SD898	89
2SD898A	89
2SD898B	89
2SD898B-13	89
2SD899	89
2SD900	89
2SD900A	89
2SD900B	89
2SD900B-06	89
2SD903	89
2SD904	89
2SD904K	89
2SD904P	89
2SD904W	89
2SD905	238
2SD906	89
2SD907	36
2SD908	36
2SD909	2305#
2SD910	36
2SD911	284
2SD912	284
2SD913	387
2SD914	387
2SD916	261
2SD917	2308
2SD919(BCE)	85
2SD919Q(BCE)	289A
2SD919R(BCE)	289A
2SD946	253
2SD946A	253
2SD946AP	253
2SD946P	253
2SD946Q	253
2SD947	253#
2SD950	89
2SD950Q	89
2SD951	89
2SD951Q	89
2SD952	89
2SD953	89
2SD956	89
2SD957	89
2SD957-03	89
2SD957A	89
2SD957A-03	89
2SD958R	90
2SD958S	90
2SD958T	90
2SD958U	90
2SD959	54
2SD959Q	54
2SD959R	54
2SD960	54
2SD960Q	54
2SD961	54
2SD961Q	54
2SD961R	54
2SD965Q	11
2SD968	2430
2SD968A	2430
2SD968AP	2430
2SD968AQ	2430
2SD968AR	2430
2SD968AS	2430
2SD968P	2430
2SD968Q	2430
2SD968R	2430
2SD968S	2430
2SD969	18
2SD969P	18
2SD969Q	18
2SD969R	18
2SD970	2343
2SD970K	2343
2SD972	2334
2SD973	20
2SD973A	22
2SD973AQ	22
2SD973AR	22
2SD973Q	20
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2SD1651YD	2331
2SD1652	2331
2SD1652-CTV-YB	2331
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2SD1705	36#
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2SD1717-S	2328
2SD1718	2328
2SD1718-P	2328
2SD1718-Q	2328
2SD1718-S	2328
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2SD1727	2302
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2SD1776P	56#
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2SD1781KAFR	2406
2SD1782K	2410
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2SD1785	2343#
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2SD1837	2336
2SD1838	2336
2SD1843	2338◆
2SD1843L	2338◆
2SD1843M	2338◆
2SD1843T	2338◆
2SD1844	2331
2SD1845	2331
2SD1846	2331
2SD1847	2302◆
2SD1848	2302◆
2SD1849	2353◆
2SD1850	2324#
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2SD1863	22
2SD1865	20
2SD1876	2331
2SD1876-CA	2331
2SD1877	2331
2SD1878	2331
2SD1878-CA	2331
2SD1879	2331
2SD1879-CTV-YB	2331
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2SD1881	2353
2SD1882	2324#
2SD1883	2324#
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2SD1885	2324#
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2SD1889	2343#
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2SD1892	2326
2SD1896	54
2SD1897	54#
2SD1910	2302
2SD1911	2302
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2SD1931	2338◆
2SD1932	261
2SD1933	261◆
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2SD1940E	54#
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2SD1941-06	2300#
2SD1941-07	2300
2SD1943	56
2SD1944	56#
2SD1956	54
2SD1957	54#
2SD1959	2354#
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2SD1975	2328
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2SD1975Q	2328
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2SD1985AR	377#
2SD1985Q	377#
2SD1985R	377#
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2SD1987	261#
2SD1990	377
2SD1990Q	377
2SD1990R	377
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2SD2006	24
2SD2008	24
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2SD2010	2338◆
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2SD2023F18E	152
2SD2024	261
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2SD2029Q	2328
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2SD2033	375◆
2SD2033A	375◆
2SD2035	152◆
2SD2036	152◆
2SD2037	377◆
2SD2038	152◆
2SD2039	261
2SD2040	54◆
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2SD2042	2336◆
2SD2043	2343◆
2SD2044	56◆
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2SD2052P	36#
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2SD2053P	36
2SD2053Q	36
2SD2053S	36
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2SD2089-LBSONY	2331
2SD2094	2343#
2SD2095	2331
2SD2096	152◆
2SD2096EF	152◆
2SD2096-EF	152◆
2SD2096EL	152◆
2SD2096F	152◆
2SD2125	2331
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2SD2140P	36
2SD2140Q	36
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2SD2306	261◆
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2SD2308	253◆
2SD2309	253◆
2SD2329	2331
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2SD2332	2301#
2SD2333	2331
2SD2334	2301#
2SD2335	2353◆
2SD2336	2365#
2SD2348	2353
2SD2349	2353
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2SD2372	2365#
2SD2373	2365#
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2SDD774-3	382
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2SDF1	101
2SD-F1A	102A
2SDF44	103A
2SDF45	130
2SE629	108
2SE4002	199
2SF8	282§
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2SF12	5482§
2SF14	5483§
2SF16	5485§
2SF17	5485§
2SF18	5485§
2SF19	5487§
2SF20	5481§
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2SF33	5543
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2SF39A	5547
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2SF40A	5541
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2SF88A	5545
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2SF102A	5402
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2SF106	5405
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2SF108	5405
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2SF201	5487§
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2SF228	5487§
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2SF248A	314
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2SF251	5481§
2SF252	5482§
2SF253	5483§
2SF254	5483§
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2SF256	5485§
2SF257	5485§
2SF258	5485§
2SF259	5487§
2SF260	5481§
2SF261	5481§
2SF262	5482§
2SF263	5483§
2SF264	5483§
2SF265	5485§
2SF266	5485§
2SF267	5485§
2SF268	5485§
2SF269	5487§
2SF280	5521
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2SF321A	5481§
2SF322A	5481§
2SF323A	5482§
2SF324A	5483§
2SF325A	5483§
2SF326A	5485§
2SF327A	5485§
2SF328A	5485§
2SF329A	5487§
2SF330A	5487§
2SF380	5491
2SF381	5491
2SF382	5492
2SF382A	5492
2SF383	5494
2SF383A	5494
2SF384	5494
2SF384A	5494
2SF385	5496
2SF385A	5496
2SF386	5496
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2SF388A	5547
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2SF526	5406
2SF527	5406
2SF545	5482§
2SF546	5483§
2SF547	5487§
2SF567	5492
2SF572	5404
2SF609	5514
2SF610	5515
2SF611	5515
2SF612	5589◆
2SF613	5504
2SF614	5507
2SF615	5507
2SF616	5509
2SF617	5589◆
2SF618	5543
2SF619	5545
2SF620	5545
2SF622	5589◆
2SF623	5517
2SF624	5518
2SF625	5518
2SF627	5543
2SF628	5545
2SF629	5545
2SF630	5547
2SF631	5547
2SF632	5587◆
2SF633	5587◆
2SF634	5587◆
2SF635	5587◆
2SF636	5587◆
2SF649	5589◆
2SF650	5589◆
2SF651	5589◆
2SF656	5402
2SF657	5402
2SF658	5404
2SF659(GAK)	5405
2SF664S	5402
2SF665	5481§
2SF666	5482§
2SF667	5483§
2SF668	5485§
2SF674S	5402
2SF676S	5402
2SF752	5524
2SF753	5527
2SF754	5527
2SF755	5529
2SF756	5529
2SF941	5454
2SF942	5455
2SF944(GAK)	5402
2SF945(GAK)	5404
2SF946(KAG)	5402
2SF947(KAG)	5404
2SF948(KAG)	5405
2SF949(KAG)	5405
2SF954	5570◆
2SF955	5572◆
2SF956	5572◆
2SF957	5572◆
2SF958	5572◆
2SF959	5574◆
2SF960	5574◆
2SF978	5584◆
2SF979	5584◆
2SF980	5584◆
2SF981	5584◆
2SF982	5584◆
2SF983	5584◆
2SF988	5580◆
2SF989	5582◆
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2SF991	5582◆
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2SF994	5584◆
2SF1082	5570◆
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2SF1085	5572◆
2SF1086	5572◆
2SF1087	5574◆
2SF1088	5574◆
2SF1089	5483§
2SF1090	5485§
2SF1091	5485§
2SF1092	5487§
2SF1093	5584◆
2SF1094	5472§
2SF1095	5474§
2SF1096	5474§
2SF1097	5476
2SF1098	5584◆
2SF1099	5454
2SF1100	5455
2SF1101	5580◆
2SF1102	5582◆
2SF1103	5582◆
2SF1104	5582◆
2SF1105	5582◆
2SF1106	5584◆
2SF1107	5584◆
2SF1108	5584◆
2SF1109	5584◆
2SF1110	5401
2SF1111(GAK)	5402
2SF1112	5404
2SF1113(GAK)	5405
2SF1114(GAK)	5405
2SF1139	5457
2SF1140	5457
2SF1142	5587
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2SF1149	5589
2SF1168	5351A
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2SF1172	5405
2SF1177	5402
2SF1178	5404
2SF1179	5548
2SF1180	5548
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2SF1188C	230
2SF1188D	230
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2SF1188L	230
2SF1188M	230
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2SF1189	231
2SF1189A	231
2SF1189C	231
2SF1189D	231
2SF1189E	231
2SF1189F	231
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2SF1189K	231
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2SF1422D	230
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2SF1427-200	5455
2SF1427-300	5457
2SF1428-200	5463
2SF1428-400	5465
2SFT212	121
2SG536GN	123A
2SH11	6401
2SH12	6400B
2SH18	6401
2SH18K	6401
2SH18L	6401
2SH18M	6401
2SH18N	6401
2SH19	6401
2SH19K	6401
2SH19L	6401
2SH19M	6401
2SH19N	6401
2SH20	6401
2SH21	6400B
2SH22	6409§
2SH203	100
2SH643	193
2SJ2A	116
2SJ4A	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2SJ8A	125
2SJ11	460
2SJ12	460
2SJ60A	116
2SJ102	2383
2SJ103(SGD)	326
2SJ105(SGD)	326
2SJ117	2381
2SK016A	458
2SK11(SGDC)	456
2SK11-O(SGDC)	456
2SK11-R(SGDC)	456
2SK11-Y(SGDC)	456
2SK12(SGDC)	456
2SK12-GR(SGDC)	456
2SK12-O(SGDC)	456
2SK12-R(SGDC)	456
2SK12-Y(SGDC)	456
2SK13	312
2SK15(SGDC)	456
2SK15-GR(SGDC)	456
2SK15-O(SGDC)	456
2SK15-R(SGDC)	456
2SK15-Y(SGDC)	456
2SK16(SGD)	312
2SK16H(SGD)	312
2SK16HB(SGD)	312
2SK16HC(SGD)	312
2SK16S(SGD)	312
2SK17-0(SGD)	312
2SK17(SGD)	312
2SK17A(SGD)	312
2SK17B(SGD)	312
2SK17BL(SGD)	312
2SK17GR(SGD)	312
2SK17R(SGD)	312
2SK17Y(SGD)	312
2SK19	453
2SK19(GR)	453
2SK19BL	453
2SK19GB	453
2SK19GC	453
2SK19GE	453
2SK19GR	453
2SK19H	453
2SK19K	453
2SK19TM	453
2SK19TM-BL	453
2SK19TM-GR	453
2SK19TM-Y	453
2SK19V	453
2SK19Y	453
2SK22Y	312
2SK23(SGD)	312
2SK23A-540(SGD)	312
2SK23A540(SGD)	312
2SK23A(SGD)	312
2SK23AL(SGD)	312
2SK24	312
2SK24C	312
2SK24D	312
2SK24DR	312
2SK24E	312
2SK24F	312
2SK24G	312
2SK25(DGS)	312
2SK25C(DGS)	312
2SK25D(DGS)	312
2SK25E(DGS)	312
2SK25ET(DGS)	312
2SK25F(DGS)	312
2SK25G(DGS)	312
2SK30-0(SGD)	459
2SK30(SGD)	459
2SK30A-0(SGD)	459
2SK30A-1(SGD)	459
2SK30A(SGD)	459
2SK30AD(SGD)	459
2SK30AG(SGD)	459
2SK30AGR(SGD)	459
2SK30A-GR(SGD)	459
2SK30A-O(SGD)	459
2SK30A-TM(SGD)	459
2SK30ATM(SGD)	459
2SK30ATMFA-1(SGD)	459
2SK30ATMG(SGD)	459
2SK30ATMGR(SGD)	459
2SK30ATMO(SGD)	459
2SK30ATMR(SGD)	459
2SK30ATMY(SGD)	459
2SK30A-Y(SGD)	459
2SK30AY(SGD)	459
2SK30D(SGD)	459
2SK30-GR(SGD)	459
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2VR6A	5118A
2VR6B	5118A
2VR6.2	5118A
2VR6.2A	5118A
2VR6.2B	5119A
2VR6.8	5120A

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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2VR6.8B	5120A
2VR7.5	5121A
2VR7.5A	5121A
2VR7.5B	5121A
2VR8.2	5122A
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2VR8.2B	5122A
2VR8.5	5123A
2VR8.5A	5123A
2VR8.5B	5123A
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2VR30B	5141A
2VR33	5142A
2VR33A	5142A
2VR33B	5142A
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2VR36A	5143A
2VR36B	5143A
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3R33B	5142A
3R35	5143A
3R35A	5143A
3R35B	5143A
3R36	5143A
3R39A	5144A
3R39B	5144A
3R43	5145A
3R43A	5145A
3R43B	5145A
3R47	5146A
3R47A	5146A
3R47B	5146A
3R51	5147A
3R51A	5147A
3R51B	5147A
3R56	5148A
3R56A	5148A
3R56B	5148A
3R62	5150A
3R62A	5150A
3R62B	5150A
3R68	5151A
3R68A	5151A
3R68B	5151A
3R75	5152A
3R75A	5152A
3R75B	5152A
3R82	5153A
3R82A	5153A
3R82B	5153A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
3R91	5155A
3R91A	5155A
3R91B	5155A
3R100	5156A
3R100A	5156A
3R100B	5156A
3R110	5157A
3R110A	5157A
3R110B	5157A
3R120	5158A
3R120A	5158A
3R120B	5158A
3R130	5159A
3R130A	5159A
3R130B	5159A
3R140	5160A
3R140A	5160A
3R140B	5160A
3R150	5161A
3R150A	5161A
3R150B	5161A
3R160	5162A
3R160A	5162A
3R160B	5162A
3R180	5164A
3R180A	5164A
3R180AB	5164A
3R180B	5164A
3R200	5166A
3R200A	5166A
3R200B	5166A
3R-320-34	109
3RC2	5470
3RC5	5470
3RC5A	5470
3RC10	5471
3RC10A	5471
3RC15	5472§
3RC15A	5472§
3RC20	5472§
3RC20A	5472§
3RC25	5474§
3RC30	5474§
3RC30A	5474§
3RC40	5474§
3RC40A	5474§
3RC50	5476
3RC50A	5476
3RC60	5476
3RC60A	5476
3RL5A	5470
3RL10A	5471
3RL20A	5472§
3RL30A	5474§
3RL40A	5474§
3RL50A	5476
3RL60A	5476
3S004	123A
3S05E	5800
3S1E	5801
3S2E	5802
3S3E	5804
3S4E	5804
3S4M	5424
3S5E	5806
3S6E	5806
3S30B	312
3SA324	160
3SB347	102A
3SB629	116
3SB-B732	116
3SBMB2	5309
3SBMB4	5310
3SBMB6	5310
3SBMB8	5311
3SD313	196
3SD313C	196
3SF11	239
3SF11P	239
3SF11Q	239
3SJ11	464§
3SJ11A	464§
3SK14	462§
3SK22(D,S,G1,G2)	454§
3SK30(D,S,G1,G2)	222
3SK30A(D,S,G1,G2)	222
3SK30B(D,S,G1,G2)	222
3SK30C(D,S,G1,G2)	222
3SK33(D,S,G1,G2)	222
3SK34	222
3SK35	221
3SK35-BL	221
3SK35G	221
3SK35-GR	221
3SK35-Y	221
3SK37	454§
3SK37-0	454§
3SK37-2	454§
3SK37-3	454§
3SK38A	465
3SK39	222
3SK39E	222
3SK39P	222
3SK39P2	222
3SK39Q	222
3SK39R	222
3SK40	454§
3SK40A	454§
3SK40B	454§
3SK40C	454§
3SK40D	454§
3SK40I	454§
3SK40K	454§
3SK40L	454§
3SK40M	454§
3SK40ML	454§
3SK41	221
3SK41(L)	221
3SK41C	221
3SK41D	221
3SK41L	221
3SK41M	221
3SK44	222
3SK44BL	222
3SK44R	222
3SK44W	222
3SK45	454§
3SK45B	454§
3SK45-B	454§
3SK45B-09	454§
3SK45B09	454§
3SK45L	454§
3SK47	454§
3SK47M	454§
3SK49	222
3SK49P	222
3SK49Q	222
3SK49R	222
3SK51	454§
3SK59	222
3SK59BL	222
3SK59GR	222
3SK59GR1	222
3SK59GR2	222
3SK59Y	222
3SK60	454§
3SK61	454§
3SK63	454§
3SK70	454§
3SK72P	455
3SK72Q	455◆
3SK74	455
3SK74M	455
3SK78	454§
3SK80	455
3SK81	455◆
3SK83	455◆
3SK85	455◆
3SK85-01	455◆
3SK87	455
3SK87K	455
3SK87L	455
3SK87RL	455
3SK88	455
3SK88A	455
3SK88AK	455
3SK88AL	455
3SK88K	455
3SK88L	455
3SK95	455
3SK101-Y	455
3SK102	455
3SK108	454§
3SK108Q	454§
3SK108R	454§
3SK108S	454§
3SK108T	454§
3SK114	455
3SK115	455
3SK123A	455
3SK123AK	455
3SK123AL	455
3SK390	221
3SM4	5804
3SM5	6400B
3SM6	580
3T6.2	5180A
3T6.2A	5180A
3T6.2B	5180A
3T6.2R	5180AK
3T6.2RA	5180AK
3T6.2RB	5180AK
3T7.5	5182A
3T7.5A	5182A
3T7.5B	5182A
3T7.5R	5182AK
3T7.5RA	5182AK
3T7.5RB	5182AK
3T9.1	5185A
3T9.1A	5185A
3T9.1B	5185A
3T9.1R	5185AK
3T9.1RA	5185AK
3T9.1RB	5185AK
3T11	5187A
3T11A	5187A
3T11B	5187A
3T11R	5187AK
3T11RA	5187AK
3T11RB	5187AK
3T12	5188A
3T12A	5188A
3T12B	5188A
3T12R	5188AK
3T12RA	5188AK
3T12RB	5188AK
3T13	5189A
3T13B	5189A
3T13R	5189AK
3T13RA	5189AK
3T13RB	5189AK
3T16	5192A
3T16A	5192A
3T16B	5192A
3T16R	5192AK
3T16RA	5192AK
3T16RB	5192AK
3T20	5196A
3T20A	5196A
3T20B	5196A
3T20R	5196AK
3T20RA	5196AK
3T20RB	5196AK
3T24	5198A
3T24A	5198A
3T24B	5198A
3T24R	5198AK
3T24RA	5198AK
3T24RB	5198AK
3T30	5202A
3T30A	5202A
3T30B	5202A
3T30R	5202AK
3T30RA	5202AK
3T30RB	5202AK
3T33	5203A
3T33A	5203A
3T33B	5203A
3T33R	5203AK
3T33RA	5203AK
3T33RB	5203AK
3T36	5204A
3T36A	5204A
3T36B	5204A
3T36R	5204AK
3T36RA	5204AK
3T36RB	5204AK
3T39	5205A
3T39A	5205A
3T39B	5205A
3T39R	5205AK
3T39RA	5205AK
3T39RB	5205AK
3T43	5206A
3T43A	5206A
3T43B	5206A
3T43R	5206AK
3T43RA	5206AK
3T43RB	5206AK
3T47	5208A
3T47A	5208A
3T47B	5208A
3T51	5210A
3T51A	5210A
3T51B	5210A
3T51R	5210AK
3T51RA	5210AK
3T51RB	5210AK
3T56	5212A
3T56A	5212A
3T56B	5212A
3T56R	5212AK
3T56RA	5212AK
3T56RB	5212AK
3T62	5214A
3T62A	5214A
3T62B	5214A
3T62R	5214AK
3T62RA	5214AK
3T62RB	5214AK
3T68	5215A
3T68A	5215A
3T68B	5215A
3T68R	5215AK
3T68RA	5215AK
3T68RB	5215AK
3T75	5216A
3T75A	5216A
3T75B	5216A
3T75R	5216AK
3T75RA	5216AK
3T75RB	5216AK
3T82	5217A
3T82A	5217A
3T82B	5217A
3T82R	5217AK
3T82RA	5217AK
3T82RB	5217AK
3T91	5219A
3T91A	5219A
3T91B	5219A
3T91R	5219AK
3T91RA	5219AK
3T91RB	5219AK
3T100	5220A
3T100A	5220A
3T100B	5220A
3T100R	5220AK
3T100RA	5220AK
3T100RB	5220AK
3T110	5222A
3T110A	5222A
3T110B	5222A
3T110R	5222AK
3T110RA	5222AK
3T110RB	5222AK
3T120	5223A
3T120A	5223A
3T120B	5223A
3T120R	5223AK
3T120RA	5223AK
3T120RB	5223AK
3T130	5224A
3T130A	5224A
3T130B	5224A
3T130R	5224AK
3T130RA	5224AK
3T130RB	5224AK
3T150	5226A
3T150A	5226A
3T150B	5226A
3T150R	5226AK
3T150RA	5226AK
3T150RB	5226AK
3T160	5227A
3T160A	5227A
3T160B	5227A
3T160R	5227AK
3T160RA	5227AK
3T160RB	5227AK
3T180	5230A
3T180A	5230A
3T180B	5230A
3T180R	5230AK
3T180RA	5230AK
3T180RB	5230AK
3T200	5232A
3T200A	5232A
3T200B	5232A
3T200R	5232AK
3T200RA	5232AK
3T200RB	5232AK
3T201	101
3T202	101
3T203	101
3T501	116
3T502	116
3T503	116
3T504	116
3T505	116
3T506	116
3T507	125
3T508	125
3T509	125
3T510	125
3TCRA	5470
3TCRB	5470
3TCRC	5471
3TCRD	5472§
3TCRE	5472§
3TCRF	5474§
3TCRG	5474§
3TCRH	5474§
3TCRI	5476
3TCRJ	5476
3TE120	130
3TE140	130
3TE230	130
3TE240	130
3TX003	130
3TX004	130
3TX620	362
3TX621	362
3TX622	363
3TX820	362
3TX822	363
3TZ3.6	5112A
3TZ3.6A	5112A
3TZ3.6B	5112A
3TZ3.6C	5112A
3TZ3.6D	5112A
3TZ3.9	5113A
3TZ3.9A	5113A
3TZ3.9B	5113A
3TZ3.9C	5113A
3TZ3.9D	5113A
3TZ4.3	5114A
3TZ4.3A	5114A
3TZ4.3B	5114A
3TZ4.3C	5114A
3TZ4.3D	5114A
3TZ4.7	5115A
3TZ4.7A	5115A
3TZ4.7B	5115A
3TZ4.7C	5115A
3TZ4.7D	5115A
3TZ5.1	5116A
3TZ5.1A	5116A
3TZ5.1B	5116A
3TZ5.1C	5116A
3TZ5.1D	5116A
3TZ5.6	5117A
3TZ5.6A	5117A
3TZ5.6B	5117A
3TZ5.6C	5117A
3TZ5.6D	5117A
3TZ6.2	5119A
3TZ6.2A	5119A
3TZ6.2B	5119A
3TZ6.2C	5119A
3TZ6.2D	5119A
3TZ6.8	5120A
3TZ6.8A	5120A
3TZ6.8B	5120A
3TZ6.8C	5120A
3TZ6.8D	5120A
3TZ7.5	5121A
3TZ7.5A	5121A
3TZ7.5B	5121A
3TZ7.5C	5121A
3TZ7.5D	5121A
3TZ8.2	5122A
3TZ8.2A	5122A
3TZ8.2B	5122A
3TZ8.2C	5122A
3TZ8.2D	5122A
3TZ9.1	5124A
3TZ9.1A	5124A
3TZ9.1B	5124A
3TZ9.1C	5124A
3TZ9.1D	5124A
3TZ10	5125A
3TZ10A	5125A
3TZ10B	5125A
3TZ10C	5125A
3TZ10D	5125A
3TZ11	5126A
3TZ11A	5126A
3TZ11B	5126A
3TZ11C	5126A
3TZ11D	5126A
3TZ12	5127A
3TZ12A	5127A
3TZ12B	5127A
3TZ12C	5127A
3TZ12D	5127A
3TZ13	5128A
3TZ13A	5128A
3TZ13B	5128A
3TZ13C	5128A
3TZ13D	5128A
3TZ14	5129A
3TZ14A	5129A
3TZ14B	5129A
3TZ14C	5129A
3TZ14D	5129A
3TZ15	5130A
3TZ15A	5130A
3TZ15B	5130A
3TZ15C	5130A
3TZ15D	5130A
3TZ16	5131A
3TZ16A	5131A
3TZ16B	5131A
3TZ16C	5131A
3TZ16D	5131A
3TZ17	5132A
3TZ17A	5132A
3TZ17B	5132A
3TZ17C	5132A
3TZ17D	5132A
3TZ18	5133A
3TZ18A	5133A
3TZ18B	5133A
3TZ18C	5133A
3TZ18D	5133A
3TZ19	5134A
3TZ19A	5134A
3TZ19B	5134A
3TZ19C	5134A
3TZ19D	5134A
3TZ20	5135A
3TZ20A	5135A
3TZ20B	5135A
3TZ20C	5135A
3TZ20D	5135A
3TZ22	5136A
3TZ22A	5136A
3TZ22B	5136A
3TZ22C	5136A
3TZ22D	5136A
3TZ24	5137A
3TZ24A	5137A
3TZ24B	5137A
3TZ24C	5137A
3TZ24D	5137A
3TZ27	5139A
3TZ27A	5139A
3TZ27B	5139A
3TZ27C	5139A
3TZ27D	5139A
3TZ30	5141A
3TZ30A	5141A
3TZ30B	5141A
3TZ30C	5141A
3TZ30D	5141A
3TZ33	5142A
3TZ33A	5142A
3TZ33B	5142A
3TZ33C	5142A
3TZ33D	5142A
3TZ36	5143A
3TZ36A	5143A
3TZ36B	5143A
3TZ36C	5143A
3TZ36D	5143A
3TZ39	5144A
3TZ39A	5144A
3TZ39B	5144A
3TZ39C	5144A
3TZ39D	5144A
3TZ43	5145A
3TZ43A	5145A
3TZ43B	5145A
3TZ43C	5145A
3TZ43D	5145A
3TZ47	5146A
3TZ47A	5146A
3TZ47B	5146A
3TZ47C	5146A
3TZ47D	5146A
3TZ50	5147A
3TZ50A	5147A
3TZ50B	5147A
3TZ50C	5147A
3TZ50D	5147A
3TZ51	5147A
3TZ51A	5147A
3TZ51B	5147A
3TZ51C	5147A
3TZ51D	5147A
3TZ56	5148A
3TZ56A	5148A
3TZ56B	5148A
3TZ56C	5148A
3TZ56D	5148A
3TZ62	5150A
3TZ62A	5150A
3TZ62B	5150A
3TZ62C	5150A
3TZ62D	5150A
3TZ68	5151A
3TZ68A	5151A
3TZ68B	5151A
3TZ68C	5151A
3TZ68D	5151A
3TZ75	5152A
3TZ75A	5152A
3TZ75B	5152A
3TZ75C	5152A
3TZ75D	5152A
3TZ82	5153A
3TZ82A	5153A
3TZ82B	5153A
3TZ82C	5153A
3TZ82D	5153A
3TZ91	5155A
3TZ91A	5155A
3TZ91B	5155A
3TZ91C	5155A
3TZ91D	5155A
3TZ100	5156A
3TZ100A	5156A
3TZ100B	5156A
3TZ100C	5156A
3TZ100D	5156A
3TZ110	5157A
3TZ110A	5157A
3TZ110B	5157A
3TZ110C	5157A
3TZ110D	5157A
3TZ120	5158A
3TZ120A	5158A
3TZ120B	5158A
3TZ120C	5158A
3TZ120D	5158A
3TZ130	5159A
3TZ130A	5159A
3TZ130B	5159A
3TZ130C	5159A
3TZ130D	5159A
3TZ140	5160A
3TZ140A	5160A
3TZ140B	5160A
3TZ140C	5160A
3TZ140D	5160A
3TZ150	5161A
3TZ150A	5161A
3TZ150B	5161A
3TZ150C	5161A
3TZ150D	5161A
3TZ160	5162A
3TZ160A	5162A
3TZ160B	5162A
3TZ160C	5162A
3TZ160D	5162A
3TZ180	5164A
3TZ180A	5164A
3TZ180B	5164A
3TZ180C	5164A
3TZ180D	5164A
3TZ200	5166A
3TZ200A	5166A
3TZ200B	5166A
3TZ200C	5166A
3TZ200D	5166A
3V160B	5162A
3VR5.6	5117A
3VR5.6A	5117A
3VR5.6B	5117A
3VR6	5118A
3VR6A	5118A
3VR6B	5118A
3VR6.2	5119A
3VR6.2A	5119A
3VR6.2B	5119A
3VR6.8	5120A
3VR6.8A	5120A
3VR6.8B	5120A
3VR7.5	5121A
3VR7.5A	5121A
3VR7.5B	5121A
3VR8.2	5122A
3VR8.2A	5122A
3VR8.2B	5122A
3VR8.5	5123A
3VR8.5A	5123A
3VR8.5B	5123A
3VR9.1	5124A
3VR9.1A	5124A
3VR9.1B	5124A
3VR10	5125A
3VR10A	5125A
3VR10B	5125A
3VR11	5126A
3VR11A	5126A
3VR11B	5126A
3VR12	5127A
3VR12A	5127A
3VR12B	5127A
3VR13	5128A
3VR13A	5128A
3VR13B	5128A
3VR15	5130A
3VR15A	5130A
3VR15B	5130A
3VR16	5131A
3VR16A	5131A
3VR16B	5131A
3VR18	5133A
3VR18A	5133A
3VR18B	5133A
3VR20	5135A
3VR20A	5135A
3VR20B	5135A
3VR22	5136A
3VR22A	5136A
3VR22B	5136A
3VR24	5137A
3VR24A	5137A
3VR24B	5137A
3VR27	5139A
3VR27A	5139A
3VR27B	5139A
3VR30	5141A
3VR30A	5141A
3VR30B	5141A
3VR33	5142A
3VR33A	5142A
3VR33B	5142A
3VR36	5143A
3VR36A	5143A
3VR36B	5143A
3VR39	5144A
3VR39A	5144A
3VR39B	5144A
3VR43	5145A
3VR43A	5145A
3VR43B	5145A
3VR47	5146A
3VR47A	5146A
3VR47B	5146A
3VR51	5147A
3VR51A	5147A
3VR51B	5147A
3VR56	5148A
3VR56A	5148A
3VR56B	5148A
3VR62	5150A
3VR62A	5150A
3VR62B	5150A
3VR67	5151A
3VR67A	5151A
3VR67B	5151A
3VR68	5151A
3VR68A	5151A
3VR68B	5151A
3VR75	5152A
3VR75A	5152A
3VR75B	5152A
3VR82	5153A
3VR82A	5153A
3VR82B	5153A
3VR90	5155A
3VR90A	5155A
3VR90B	5155A
3VR91	5155A
3VR91A	5155A
3VR91B	5155A
3VR100	5156A
3VR100A	5156A
3VR100B	5156A
3VR110	5157A
3VR110A	5157A
3VR110B	5157A
3VR120	5158A
3VR120A	5158A
3VR120B	5158A
3VR130	5159A
3VR130A	5159A
3VR130B	5159A
3VR150	5161A
3VR150A	5161A
3VR150B	5161A
3VR160	5162A
3VR160A	5162A
3VR160B	5162A
3VR180	5164A
3VR180A	5164A
3VR180B	5164A
3VR200	5166A
3VR200A	5166A
3VR200B	5166A
3Z3.3T5	5172AK
3Z3.6T5	5173AK
3Z3.9T5	5174AK
3Z3.9T10	5174AK
3Z3.9T20	5174AK
3Z4.3T5	5175AK
3Z4.3T10	5175AK
3Z4.3T20	5175AK
3Z4.7T5	5176AK
3Z4.7T10	5176AK
3Z4.7T20	5176AK
3Z5.1T5	5177AK
3Z5.1T10	5177AK
3Z5.1T20	5177AK
3Z5.6T5	5178AK
3Z5.6T10	5178AK
3Z5.6T20	5178AK
3Z6.2T5	5180AK
3Z6.2T10	5180AK
3Z6.2T20	5180AK
3Z6.8	5120A
3Z6.8A	5120A
3Z6.8B	5120A
3Z6.8T5	5181AK
3Z6.8T10	5181AK
3Z6.8T20	5181AK
3Z7.5T5	5182AK
3Z7.5T10	5182AK
3Z7.5T20	5182AK
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3.3B1(Zener)	5005A
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3.6C(Zener)	134A
3.6CP(Zener)	5006A
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3.9B2(Zener)	5007A
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4-65-4A7-1	101
4-65A17-1	160
4-65B17-1	160
4-65C17-1	121
4-66-1A7-1	102A
4-66-2A7-1	102A
4-66-3A7-1	102A
4-74-3A7-1	100
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4-77B17-1	121MP
4-77C17-1	121
4-88A17-1	121
4-88B17-1	160
4-88C17-1	100
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4JX2A60	100
4JX2A601	103
4JX2A616	103A
4JX2A801	101
4JX2A816	103
4JX2A822	103
4JX2D780	101
4JX5B742	6400B
4JX5E670	6400B
4JX5E695	6409§
4JX5J695	6409§
4JX7A972	123A
4JX8D404	121
4JX8P404	121
4JX8P409	121
4JX11C2848	128
4JX16A567	123A
4JX16A667	123A
4JX16A667G	123A
4JX16A667O	123A
4JX16A667R	123A
4JX16A667Y	123A
4JX16A668	123A
4JX16A668G	123A
4JX16A668O	123A
4JX16A668Y	123A
4JX16A669	123A
4JX16A669G	123A
4JX16A669Y	123A
4JX16A670	123A
4JX16A670G	123A
4JX16B670B	123A
4JX16B670G	123A
4JX16B670R	123A
4JX16B670Y	123A
4JX16E3860	123A
4JX16E3890	123A
4JX16E3960	123A
4JX24X539	142A
4JX29A826	159
4JX29A829	159
4JX2816	103
4JX2825	103
4JZ4X539	142A
4JZ4XL12	142A
4K30	5400
4K60	5401
4K100	5402
4L30	5400
4L100	5402
4N25	3040
4N26	3040
4N27	3040
4N28	3040
4N29	3084
4N29A	3084
4N30	3084
4N31	3084
4N32	3083
4N32A	3083
4N33	3083
4N35	3041
4N36	3041
4N37	3041
4O315V1	188
4RCM5	5481§
4RCM30	5485§
4SD46-2	109
4T6.2	137A
4T6.2A	137A
4T6.2B	137A
4T501	116
4T502	116
4T503	116
4T504	116
4T505	116
4T506	116
4T507	125
4T508	125
4T509	125
4T510	125
4W01-13	142A
4ZL	186A
4.3Y(ZENER)	5008A
4.7B1(Zener)	5009A
4.7B2	5009A
4.7B2(Zener)	5009A
4.7B3(Zener)	5009A
4.7EB3(Zener)	5009A
4.7X(Zener)	5009A
4.7Z(Zener)	5009A
5-8	123A
5-26-27	165
5-30082.1003	5809
5-30082.3	125
5-30082.4	125
5-30086.1	116
5-30088.1	116
5-30088.1002	125
5-30088.1003	125
5-30088.1004	125
5-30088.2	5809
5-30088.3	125
5-30094.1	116
5-30095.1	116
5-30098.1	116
5-30099.1	116
5-30099.3	116
5-30099.4	116
5-30106.1	116
5-30106.1001	125
5-30109.1	116
5-30111.1	5809
5-30111.1001	125
5-30113.1	116
5-30119.1	503
5-30120.1	116
5-30122.1	5809
5-30132.1	118
5-30136.T	125
5-50240	2042§
5-50241	2042§
5-50242W	2043§
5-113641	9946
5-70004503	123A
5-70005452	123A
5-70005503	123A
5-7000901504	123A
5A001	7400
5A002	7402
5A003	7408
5A004	7474
5A005	7490
5A006	7493A
5A-09449(Williams)	955M
5A1	116
5A2	116
5A3	116
5A4	116
5A4D	116
5A4D-C	116
5A5	116
5A-5C-8938(Williams)	123AP
5A5D	116
5A6	116
5A6D	116
5A6D-C	116
5A8	125
5A8D	125
5A8DC	125
5A10	125
5A10C	125
5A10D	125
5A10D-C	125
5A15	5400
5A-8753(Williams)	5322
5A-8785(Williams)	116
5A-8919(Williams)	519
5A-8948(Williams)	7402
5A-8971(Williams)	4069
5A-8972(Williams)	6821
5A-8973(Williams)	7408
5A-8974(Williams)	7406
5A-8978(Williams)	332
5A-8987(Williams)	6800
5A-9003(Williams)	6810
5A-9005(Williams)	435P22
5A-9006(Williams)	416
5A-9010(Williams)	74154
5A-9011(Williams)	7410
5A-9012(Williams)	7442
5A-9013(Williams)	7404
5A-9014(Williams)	5400
5A-9017(Williams)	65101
5A-9018(Williams)	5014A
5A-9049(Williams)	931
5A-9059(Williams)	5007A
5A-9073(Williams)	7400
5A-9135(Williams)	140A
5A-9150(Williams)	6802
5A-9153(Williams)	4050B
5A-9154(Williams)	4068B
5A-9155(Williams)	4011B
5A-9156(Williams)	1232
5A-9157(Williams)	960
5A-9158(Williams)	116
5A-9216(Williams)	287
5A-9217(Williams)	288
5A-9235(Williams)	74LS10
5A-9247(Williams)	74LS02
5A-9266(Williams)	5079A
5A-9321(Williams)	778A
5A-9424(Williams)	923D
5AA5-1	105
5A-D	116
5AD8	156
5AD8DC	156
5AD10	156
5AD10C	156
5AD10D	156
5B-1	116(4)
5B1	116(4)
5B1(Zenith)	135A
5B-2	116
5B2	156
5B-2-H5W	116
5B-2-H5W(Sharp)	506
5B3	116
5B4	169
5B7(Zener)	5011A
5B-15H	116
5B-15H(Sharp)	506
5B-6258(Williams)	116
5B-9045(Williams)	5802
5B-9054(Williams)	116
5B-9060(Williams)	5096A
5B7749394	949
5BG2C41	6240
5BG2Z41	6244
5BL2C41	6240
5BL41	597
5C002	746
5C004	960

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
5C010	788
5C012	1115
5C1(Zener)	5010T1
5C3(Zener)	5010T1
5C-8977(Williams)	261
5C-9016(Williams)	159
5C-9055(Williams)	288
5C-9056(Williams)	287
5C(C)1(Zener)	5010T1
5CH2SM	6240#
5CL2C41	6240
5CL2C41A	6240
5CL2CZ	6240#
5CL2CZ41A	6240#
5CL2CZ47	6240#
5CL41	597
5D1	116
5D2	116
5D-5A-L	5068A
5D8	125
5D10	125
5D46	109
5DG2C41	6240
5DG2Z41	6244
5DL2C41	6240
5DL2C41A	6240
5DL2CZ	6240#
5DL2CZ41A	6240#
5DL2CZ47	6240#
5DL41	597
5E1	116
5E2	116
5E4	116
5E5	116
5E6	125
5E8	125
5E4850/56-0002	128
5F1	5830
5F5	5850
5F15	5944
5F20	5944
5FL2CZ41A	6241#
5FWJ2C41	6085
5FWJ2C42	6085
5FWJ2CZ42	6085#
5FWJ2CZ47	6085#
5G2	451
5G2(Zener)	5010A◆
5G8	125
5GA	116
5GB	116
5GD	116
5GF	125
5GFH	116
5GJ	125
5GJFR1N	116
5GL	116
5GWJ2C41	6085
5GWJ2C42	6085
5GWJ2CZ42	6085#
5GWJ2CZ47	6085#
5GWJZ47	6085#
5H	116
5H3P	5850
5H3PN	5851
5H4D1	116
5H750M	116
5J3P	5870
5J-F1	116
5JW2CZ47	6086#
5K10	125
5K4164ANP-15	2164
5K4164P	6664
5KF10	597
5KF10B	6240
5KF20	597
5KF20B	6240
5KF30	598
5KF30B	6241
5KF40	598
5KF40B	6241
5KQ30	6083
5KQ40	6083
5L15	525
5L1626	7447
5M3.3ZS5	5111A
5M3.6ZS5	5112A
5M3.9ZS5	5113A
5M4.3ZS5	5114A
5M4.7ZS5	5115A
5M5.1ZS5	5116A
5M5.6ZS5	5117A
5M6.0ZS5	5118A
5M6.2ZS5	5119A
5M6.8ZS5	5120A
5M7.5ZS5	5121A
5M8.2ZS5	5122A
5M8.7Z5	5183A
5M9.1ZS5	5124A
5M10ZS5	5125A
5M11ZS5	5126A
5M12ZS5	5127A
5M13ZS5	5128A
5M14ZS5	5129A
5M15ZS5	5130A
5M16ZS5	5131A
5M17ZS5	5132A
5M18ZS5	5133A
5M19ZS5	5134A
5M20ZS5	5135A
5M22ZS5	5136A
5M24ZS5	5137A
5M25ZS5	5138A
5M27ZS5	5139A
5M28ZS5	5140A
5M30ZS5	5141A
5M33ZS5	5142A
5M36ZS5	5143A
5M39ZS5	5144A
5M40	5900
5M43ZS5	5145A
5M47ZS5	5146A
5M50	5904
5M51ZS5	5147A
5M56ZS5	5148A
5M60	5904
5M60ZS5	5149A
5M62ZS5	5150A
5M68ZS5	5151A
5M75ZS5	5152A
5M80	5908
5M82ZS5	5153A
5M87ZS5	5154A
5M91ZS5	5155A
5M100	5910
5M100ZS5	5156A
5M110ZS5	5157A
5M120ZS5	5158A
5M130ZS5	5159A
5M140ZS5	5160A
5M150ZS5	5161A
5M160ZS5	5162A
5M170ZS5	5163A
5M190ZS5	5165A
5M192-7	456
5M200ZS5	5166A
5MA2	116
5MA4	116
5MA5	116
5MA6	116
5MA8	125
5MA10	125
5MF1	116
5MS5	116
5MS10	116
5MS20	116
5MS30	116
5MS40	116
5MS50	116
5MWJ2CZ47	6086#
5N1	116
5N2	5874
5N3	5874
5P05M	5461
5P1M	5462
5P2	5874
5P2M	5463
5P3	5874
5P4M	5465
5P4SM	5440
5P5M	5466
5P6M	5466
5P6SM	5440
5P50-0181	5592
5Q3	5981
5RC2	5481§
5RC5	5481§
5RC5A	5481§
5RC10	5482§
5RC10A	5482§
5RC10G	5483§
5RC15	5483§
5RC15A	5483§
5RC20	5483§
5RC20A	5483§
5RC25	5485§
5RC30	5485§
5RC30A	5485§
5RC40	5485§
5RC40A	5485§
5RC50	5487§
5RC50A	5487§
5RC50B	5487§
5RC60	5487§
5RC60A	5487§
5RCL2	5481§
5RCL5	5481§
5RCL10	5482§
5RCL15	5483§
5RCL20	5483§
5T4058	288
5T5227	159
5TB1	5482§
5TB2	5483§
5TB3	5485§
5TB4	5485§
5TB5	5487§
5TB6	5487§
5TCRA	5481§
5TCRB	5470
5TCRC	5471
5TCRE	5472§
5TCRG	5474§
5TCRH	5474§
5TCRI	5476
5TCRJ	5476
5Z82B	5153A
5Z3S3.3	5111A
5Z3S3.3A	5111A
5Z3S3.3B	5111A
5Z3S3.6	5112A
5Z3S3.6A	5112A
5Z3S3.6B	5112A
5Z3S3.9	5113A
5Z3S3.9A	5113A
5Z3S3.9B	5113A
5Z5S4.3	5114A
5Z5S4.3A	5114A
5Z5S4.3B	5114A
5Z5S4.7B	5115A
5Z5S5.1	5116A
5Z5S5.1A	5116A
5Z5S5.1B	5116A
5Z5S5.6	5117A
5Z5S5.6A	5117A
5Z5S5.6B	5117A
5Z5S6.0A	5118A
5Z5S6.0B	5118A
5Z5S6.2	5119A
5Z5S6.2A	5119A
5Z5S6.2B	5119A
5Z5S6.8B	5120A
5Z5S7.5	5121A
5Z5S7.5A	5121A
5Z5S7.5B	5121A
5Z5S8.2	5122A
5Z5S8.2A	5122A
5Z5S8.2B	5122A
5Z5S8.7	5123A
5Z5S8.7A	5123A
5Z5S8.7B	5183A
5Z5S9.1	5124A
5Z5S9.1A	5124A
5Z5S9.1B	5124A
5Z5S10	5125A
5Z5S10A	5125A
5Z5S10B	5125A
5Z5S11	5126A
5Z5S11A	5126A
5Z5S11B	5126A
5Z5S12	5127A
5Z5S12A	5127A
5Z5S12B	5127A
5Z5S13	5128A
5Z5S13A	5128A
5Z5S13B	5128A
5Z5S14	5129A
5Z5S14A	5129A
5Z5S14B	5129A
5Z5S15	5130A
5Z5S15A	5130A
5Z5S15B	5130A
5Z5S16	5131A
5Z5S16A	5131A
5Z5S16B	5131A
5Z5S17	5132A
5Z5S17A	5132A
5Z5S17B	5132A
5Z5S18	5133A
5Z5S18A	5133A
5Z5S18B	5133A
5Z5S19	5134A
5Z5S19A	5134A
5Z5S19B	5134A
5Z5S20	5135A
5Z5S20A	5135A
5Z5S20B	5135A
5Z5S22	5136A
5Z5S22A	5136A
5Z5S22B	5136A
5Z5S24	5137A
5Z5S24A	5137A
5Z5S24B	5137A
5Z5S25	5138A
5Z5S25A	5138A
5Z5S25B	5138A
5Z5S27	5139A
5Z5S27A	5139A
5Z5S27B	5139A
5Z5S28	5140A
5Z5S28A	5140A
5Z5S28B	5140A
5Z5S30	5141A
5Z5S30A	5141A
5Z5S30B	5141A
5Z5S33	5142A
5Z5S33A	5142A
5Z5S33B	5142A
5Z5S36	5143A
5Z5S36A	5143A
5Z5S36B	5143A
5Z5S39	5144A
5Z5S39A	5144A
5Z5S39B	5144A
5Z5S43	5145A
5Z5S43A	5145A
5Z5S43B	5145A
5Z5S47	5146A
5Z5S47A	5146A
5Z5S47B	5146A
5Z5S51	5147A
5Z5S51A	5147A
5Z5S51B	5147A
5Z5S56B	5148A
5Z5S60	5043A
5Z5S60A	5043A
5Z5S60B	5149A
5Z5S62B	5150A
5Z5S68	5151A
5Z5S68A	5151A
5Z5S68B	5151A
5Z5S75	5152A
5Z5S75A	5152A
5Z5S75B	5152A
5Z5S82	5153A
5Z5S82A	5153A
5Z5S82B	5153A
5Z5S87	5153A
5Z5S87A	5153A
5Z5S87B	5154A
5Z5S91	5155A
5Z5S91A	5155A
5Z5S91B	5155A
5ZS100	5156A
5ZS100A	5156A
5ZS100B	5156A
5.1B	5010A
5.1B1(Zener)	5010A
5.1B2	5010A
5.1B2(Zener)	5010A
5.1B(Zener)	5010A
5.1EB2(Zener)	5010A
5.1EB3(Zener)	5010A
5.1N1(Zener)	5010A
5.1N2	5010A
5.1N2(Zener)	5010A
5.1X(Zener)	5010T1
5.6B	5011A
5.6B2(Zener)	5011A
5.6B3	5011A
5.6B3(Zener)	5011A
5.6B(Zener)	5011A
5.6EB(ZENER)	5011A
5.6L2(Zener)	5011A
5.6L2(ZENER)	5011A
5.6N1(Zener)	5011A
5.6N2(Zener)	5011A
5.6X(ZENER)	5011T1
6-0000139	128
6-0000155A	102
6-0000158	121
6-000105	102
6-000140	175
6-000555-2	175
6-0004799	5635
6-0005193	152
6-007-3	708
6-04	123A
6-04GRN	123A
6-04ORN	123A
6-04S1	123A
6-04S2	123A
6-05	123A
6-05F	123A
6-05YEL	123A
6-066-719-10	1785
6-066-720-70	1804
6-0451	123A
6-0452	123A
6-4	123A
6-11	123A
6-13	102A
6-19	123A
6-24	175
6-30	123A
6-31	159
6-31A	159
6-38	159
6-38A	159
6-49	234
6-50	126A
6-53	102A
6-53A	102A
6-53F	102A
6-60	102A
6-60A	160
6-60B	102A
6-60C	160
6-60D	102A
6-60E	160
6-60F	160
6-60P	102A
6-60T	160
6-60X	160
6-61	102A
6-61A	160
6-61B	102A
6-61D	102A
6-61E	160
6-61F	160
6-61P	102A
6-61T	160
6-61X	160
6-62	102A
6-62A	102A
6-62B	102A
6-62C	160
6-62D	102A
6-62E	160
6-62F	126A
6-62P	126A
6-62X	126A
6-63	102A
6-63A	102A
6-63T	102A
6-65	102A
6-65T	102A
6-66	102A
6-66T	102A
6-67	102A
6-67T	102A
6-69	160
6-69X	160
6-70	126A
6-71	126A
6-72	126A
6-84F	160
6-85F	160
6-88	102A
6-88(Automatic)	131
6-89	126A
6-89X	101
6-90	123A
6-93	123A
6-137	130
6-138	234
6-138(pwr)	130
6-139	128
6-140	175
6-155	102
6-158	121
6-223-636	222
6-856	128
6-1090-350	987
6-2164	263
6-2708	123A
6-4799	5635
6-5193	152
6-5363	102A
6-5552	175
6-9029-15D	123A
6-9029-15E	123A
6-9029-20J	129
6-59010	116
6-490001	175
6-1090323Q	74LS273
6-1090331Q	74LS373
6-1260039	160
6-1260039A	160
6-6450036	123A
6-6490001	175
6-6490004	130
6A05	5812
6A05G	5812
6A1	5812
6A1G	5812
6A2	5812
6A2G	5814
6A3(Zener)	5011A
6A4	5814
6A4G	5814
6A6	5815
6A6F	5822
6A6G	5815
6A8	5817
6A8-1A5L	160
6A8G	5817
6A10	5817
6A10(100V)	5812
6A10G	5817
6A10G(100)	5812
6A15	5850
6A20(200V)	5814
6A20G(200V)	5814
6A30	5850
6A40(400V)	5814
6A40G(400V)	5814
6A50	5850
6A60(600V)	5815
6A60G(600V)	5815
6A80(800V)	5817
6A80G(800V)	5817
6A100	5854
6A100(1000V)	5817
6A100G(1000V)	5817
6A200	5854
6A300	5858
6A400	5858
6A500	5862
6A600	5862
6A700	5866
6A800	5866
6A900	5868
6A1000	5868
6A10227	123A
6A10228	128
6A10229	131
6A10422	123A
6A10423	123A
6A10520	123A
6A10622	158
6A10624	102A
6A10851	123A
6A10855	123A
6A11180	123A
6A11223	161
6A11301	158
6A11665	102A
6A11668	102A
6A12515	158
6A12516	102A
6A12517	158
6A12677	108
6A12678	100
6A12679	108
6A12680	126A
6A12681	123A
6A12682	123A
6A12683	123A
6A12684	102A
6A12685	102A
6A12725	123A
6A12788	123A
6A12789	123A
6A12889	160
6A12988	154
6A12989	102A
6A12990	102A
6A12992	103A
6A12993	103
6A16399	123A
6A7741393	941D
6A(Zener)	5011A
6AC3S	5675
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8-719-124-08	5081A
8-719-127-25	5033A
8-719-133-07	5005A
8-719-139-07	5007A
8-719-143-07	5008A
8-719-147-77	5009A
8-719-156-07	5011A
8-719-156-08	5011A
8-719-156-23	5011A
8-719-156-25	5011A
8-719-156-27	5011A
8-719-158-39	5019T1
8-719-160-24	135A
8-719-160-44	139A
8-719-160-84	5084A
8-719-162-07	5013A
8-719-168-07	5014A
8-719-175-07	5015A
8-719-175-26	5015A
8-719-182-07	5016A
8-719-182-25	5016A
8-719-190-00	5031A
8-719-191-07	5018A
8-719-191-26	5018A
8-719-200-02	116
8-719-200-08	585
8-719-200-10	116
8-719-200-16	116
8-719-200-29	585
8-719-205-10	116
8-719-217-33	152
8-719-300-09	6240
8-719-300-11	607
8-719-300-33	580
8-719-300-38	552
8-719-300-45	116
8-719-300-59	6240
8-719-300-65	558
8-719-300-70	558
8-719-300-76	552
8-719-300-91	116
8-719-301-14	525
8-719-301-18	125
8-719-301-45	586
8-719-301-64	506
8-719-302-00	552
8-719-302-06	552
8-719-302-43	587
8-719-302-44	552
8-719-302-98	577
8-719-303-21	552
8-719-303-49	570
8-719-304-63	125
8-719-305-07	5330◆
8-719-305-15	558
8-719-305-45	116
8-719-308-72	331
8-719-311-31	552
8-719-311-72	5330
8-719-312-10	580
8-719-312-61	552
8-719-312-62	552
8-719-312-71	552
8-719-312-72	580
8-719-320-11	552
8-719-320-31	552
8-719-331-10	552
8-719-400-18	595
8-719-403-92	3105
8-719-404-46	116
8-719-422-21	109
8-719-500-01	5342
8-719-500-04	5332
8-719-500-34	113A
8-719-500-41	6240#
8-719-501-34	125(2)
8-719-502-20	5313
8-719-503-40	156
8-719-504-10	5312
8-719-504-40	5314
8-719-510-02	585
8-719-510-10	166
8-719-510-48	116
8-719-510-63	5319◆
8-719-510-64	588
8-719-511-10	166
8-719-511-20	167
8-719-511-40	168
8-719-521-10	166
8-719-549-41	558
8-719-663-47	85
8-719-713-93	612
8-719-751-42	3104
8-719-768-71	612
8-719-800-34	125(2)
8-719-800-42	3098
8-719-800-43	3092
8-719-800-83	3041
8-719-801-22	3098
8-719-801-35	5404
8-719-801-70	506
8-719-801-71	506
8-719-802-30	519
8-719-811-41	3018
8-719-812-41	3007
8-719-812-42	3011
8-719-812-43	3010
8-719-815-55	177
8-719-815-59	177
8-719-815-80	519
8-719-815-85	177
8-719-900-26	506
8-719-900-33	552
8-719-900-63	116
8-719-900-93	552
8-719-900-95	558
8-719-901-02	116
8-719-901-03	552
8-719-901-09	558
8-719-901-13	5313
8-719-901-19	558
8-719-901-21	605A
8-719-901-24	5457
8-719-901-39	506
8-719-901-52	3160
8-719-901-58	580
8-719-901-63	5026A
8-719-901-83	177
8-719-901-92	552
8-719-901-93	552
8-719-901-94	552
8-719-901-95	552
8-719-901-98	3041◆
8-719-902-29	552
8-719-902-51	3161
8-719-902-85	580
8-719-903-03	558
8-719-903-09	558
8-719-903-29	552
8-719-906-15	506
8-719-906-24	5081A
8-719-907-40	552
8-719-908-03	116
8-719-908-06	585
8-719-910-15	5020A
8-719-910-28	5022A
8-719-910-65	5011T1
8-719-910-68	5013A
8-719-911-06	519
8-719-911-19	519
8-719-911-53	5806
8-719-911-54	156
8-719-911-55	5806
8-719-912-00	605A
8-719-912-54	156
8-719-912-55	3167
8-719-913-54	156
8-719-918-77	552
8-719-920-04	125
8-719-921-53	580
8-719-923-64	618(2)
8-719-923-76	519
8-719-924-06	552
8-719-925-06	552
8-719-925-26	3151
8-719-926-06	552
8-719-928-04	580
8-719-928-08	506
8-719-930-11	5074A
8-719-930-12	142A
8-719-931-05	135A
8-719-931-06	5070A
8-719-931-08	5072A
8-719-931-09	139A
8-719-931-10	140A
8-719-931-12	142A
8-719-931-13	143A
8-719-931-14	144A
8-719-931-15	145A
8-719-931-16	5075A
8-719-931-20	5079A
8-719-931-22	5080A
8-719-931-24	5081A
8-719-931-30	5084A
8-719-933-13	588
8-719-935-08	5072A
8-719-936-05	5009A
8-719-936-12	5021A
8-719-936-83	116
8-719-936-85	552
8-719-936-96	3081◆
8-719-937-08	5072A
8-719-937-10	140A
8-719-938-36	552
8-719-938-40	116
8-719-939-07	577
8-719-941-13	156
8-719-941-74	587
8-719-945-80	525
8-719-947-10	519
8-719-948-59	588
8-719-961-03	552
8-719-971-20	577
8-719-976-64	525
8-719-979-85	576
8-719-980-78	578
8-719-981-00	586
8-719-981-01	585
8-719-982-04	586
8-719-987-06	519
8-719-988-55	506
8-719-991-18	576
8-720-177-54	382
8-720-950-03	399
8-721-323-00	158
8-722-381-20	312
8-722-383-40	312
8-722-923-00	107
8-723-302-00	312
8-723-650	103
8-724-034-00	107
8-724-341-34	165
8-724-375-01	289A
8-724-733-30	123A
8-725-800-00	229
8-725-923-00	229
8-726-357-10	123A
8-726-377-31	123A
8-726-400-00	276
8-726-420-00	276
8-727-312-00	312
8-727-788-00	159
8-729-100-6	2409
8-729-100-13	123AP
8-729-100-66	2408
8-729-100-76	2409
8-729-101-07	2429
8-729-101-13	6402§
8-729-101-31	6402§
8-729-103-43	383
8-729-104-33	291
8-729-105-40(DSG)	459
8-729-105-88	10
8-729-106-68	2428
8-729-107-26	291#
8-729-109-53	54
8-729-111-55	315
8-729-113-32	294
8-729-113-33	294
8-729-113-82	91
8-729-114-11	37
8-729-115-10	459
8-729-115-30(DGS)	459
8-729-117-54	2362
8-729-118-76	165
8-729-119-76	2362
8-729-119-78	2361
8-729-119-80	157
8-729-122-01	374
8-729-122-02	374
8-729-122-03	374
8-729-122-12	374◆
8-729-122-63	2407
8-729-127-54	290A
8-729-133-40	54
8-729-133-53	379
8-729-137-32	379
8-729-139-04	123AP
8-729-140-02	90
8-729-140-50	399
8-729-140-96	382
8-729-140-97	383
8-729-140-98	293
8-729-141-43	373
8-729-141-89	291#
8-729-154-83	374
8-729-157-11	315
8-729-159-64	2406
8-729-160-51	294
8-729-162-44	2407
8-729-162-45	2407
8-729-163-93(ECB)	288
8-729-167-42	107
8-729-167-62	90
8-729-168-11	36
8-729-168-81	157
8-729-168-82	157
8-729-169-02	373
8-729-173-13	374
8-729-173-36	290A
8-729-173-37	290A
8-729-177-22	185
8-729-177-32	293
8-729-177-42	382
8-729-177-43	382
8-729-177-53	293
8-729-178-5	85
8-729-178-54	2361
8-729-178-55	199◆
8-729-178-56	199
8-729-180-03	373
8-729-180-93	373
8-729-188-23	184
8-729-194-12	399
8-729-194-58	85
8-729-195-23	290A
8-729-195-82	382
8-729-199-82	2428
8-729-200-02	116
8-729-200-17(ECB)	288
8-729-201-26	2408
8-729-201-32	32
8-729-201-52	290A
8-729-201-62	2308
8-729-201-78	377#
8-729-201-96	85
8-729-201-98	2302
8-729-202-03	54#
8-729-202-53	2302
8-729-202-58	2302
8-729-203-04	459
8-729-203-05	459
8-729-203-80	2302
8-729-204-82	290A
8-729-204-83	290A
8-729-204-88	2337
8-729-204-91	290A
8-729-204-94	2339
8-729-207-35(SGD)	326
8-729-209-03	399
8-729-210-52	290A
8-729-212-02	289A
8-729-213-01	287
8-729-213-11	399
8-729-213-12	399
8-729-216-22	2409
8-729-216-32	2411
8-729-217-33	152
8-729-224-82	399
8-729-230-49	2408
8-729-231-60	377#
8-729-231-95	2331
8-729-238-32	31
8-729-245-82	2361
8-729-245-83	85
8-729-247-33	153
8-729-255-11	399
8-729-255-12	399
8-729-265-52	24
8-729-266-93	107◆
8-729-271-02	289A
8-729-271-22	2408
8-729-271-23	2408
8-729-271-32	2410
8-729-286-90	89
8-729-287-00	89
8-729-287-10	89
8-729-288-02	152
8-729-300-50	2308
8-729-300-62	382
8-729-300-72	383
8-729-300-90	2300#
8-729-301-11	2301#
8-729-301-25	2428
8-729-301-32	165
8-729-301-46	399
8-729-301-56	2301#
8-729-304-50	2300#
8-729-304-62	383
8-729-304-92	374
8-729-305-01	2300
8-729-305-42	451
8-729-306-72	382
8-729-306-92	373
8-729-307-82	375
8-729-308-72	331
8-729-308-92	315
8-729-309-06	90
8-729-309-08	90
8-729-309-36	91
8-729-311-42	94
8-729-312-22	2409
8-729-313-42	291
8-729-313-82	54
8-729-315-12	152
8-729-316-12	152
8-729-316-16	152
8-729-322-78	171
8-729-323-82	375
8-729-326-10	399
8-729-326-11	157
8-729-326-82	292
8-729-331-53	375
8-729-334-58	199
8-729-336-11	398
8-729-341-34	165
8-729-341-93	152
8-729-345-41	162
8-729-345-42	94
8-729-354-52	199
8-729-361-12	152
8-729-364-12	85
8-729-364-71	383
8-729-364-81	374
8-729-366-71	382
8-729-366-81	373
8-729-372-31	198
8-729-372-51	165
8-729-372-52	238
8-729-374-02	383
8-729-375-01	289A
8-729-377-12	332
8-729-377-58	90
8-729-378-82	293
8-729-378-84	11
8-729-378-91	315
8-729-378-92	315
8-729-379-02	382
8-729-382-64	196
8-729-383-03	36
8-729-384-48	234
8-729-386-12	55
8-729-387-28	91◆
8-729-390-06	89
8-729-395-70	89
8-729-395-73	89
8-729-398-09	89
8-729-398-62	331
8-729-400-81	377#
8-729-400-82	377#
8-729-423-33	2362
8-729-423-35	2361
8-729-423-37	2361
8-729-424-00	158
8-729-447-53	158
8-729-468-43	294
8-729-600-21	2407
8-729-600-27	85
8-729-600-28	85
8-729-600-60	2362
8-729-601-42	90
8-729-602-37	123AP
8-729-603-37	123AP
8-729-603-50	289A
8-729-606-32	289A
8-729-609-42	234
8-729-612-77	290A
8-729-617-77	290A
8-729-629-12	42
8-729-633-47	85
8-729-634-03	459◆
8-729-635-82	291
8-729-652-82	292

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
8-729-663-43	123AP
8-729-663-47	85
8-729-665-47	85
8-729-671-13(BCE)	85
8-729-671-14(BCE)	85
8-729-671-15(BCE)	85
8-729-672-82	290A
8-729-673-53	85
8-729-679-82	43
8-729-685-03	290A
8-729-697-92	41
8-729-712-77	159
8-729-786-01	159
8-729-800-35	2302
8-729-800-36	2406
8-729-800-68	2407
8-729-800-87	2302
8-729-801-22	382◆
8-729-801-71	2302
8-729-801-76	2302
8-729-802-02	2361
8-729-802-08	2325
8-729-802-09	2348
8-729-802-50	2302◆
8-729-803-04	107
8-729-803-81	399
8-729-806-84	107
8-729-809-29	54#
8-729-809-41	2331
8-729-820-50	234
8-729-821-87	2331
8-729-822-65	2324#
8-729-831-33	152
8-729-853-63	199
8-729-880-82	383◆
8-729-883-91	85
8-729-883-92	2361
8-729-900-30	2360◆
8-729-900-33	2359◆
8-729-900-36	2357
8-729-900-37	2357◆
8-729-900-38	2356◆
8-729-900-39	2358◆
8-729-900-45	2355◆
8-729-900-53	2414
8-729-900-61	2356
8-729-900-63	2358
8-729-900-65	2360
8-729-900-80	2355
8-729-900-89	2359
8-729-901-00	2416
8-729-901-01	2418
8-729-901-04	2415
8-729-901-05	2417
8-729-901-06	2419
8-729-902-10	379
8-729-902-11(BCE)	85
8-729-903-80	66
8-729-905-68	468
8-729-906-38	2501
8-729-906-39	2501
8-729-908-62	85
8-729-920-71	2409
8-729-920-74	2408
8-729-920-90	379
8-729-920-92	152◆
8-729-922-68	2362
8-729-922-69	2361
8-729-924-40	379
8-729-924-82	31
8-729-924-83	31
8-729-924-86	32
8-729-925-02	379
8-729-927-12	11
8-729-927-22	2337
8-729-931-43	379
8-729-950-03	399
8-729-962-52	2308
8-729-962-53	2308
8-729-962-64	2311
8-729-965-22	18◆
8-729-965-61	2308
8-729-967-32	293◆
8-729-976-71	379
8-729-976-91	2308
8-729-984-70	2304
8-729-990-43	373
8-729-993-72	17
8-729-993-83	2308
8-749-900-78	1871
8-749-901-15	1896
8-749-901-35	1778
8-749-920-57	7073§
8-749-920-81	7046
8-749-921-10	1778◆
8-749-922-30	1875
8-749-930-35	1743
8-749-930-42	1878
8-749-930-52	1934X
8-749-931-15	1740
8-749-941-21	1874
8-749-941-31	1817
8-749-941-41	1818
8-749-941-52	1819
8-749-941-91	1317
8-749-943-11	1877
8-749-946-30	1331
8-749-946-50	1345
8-749-954-41	1734
8-749-956-30	1732
8-749-958-30	1732
8-749-971-15	1848
8-750-105-11	1096
8-751-001-00	1605§
8-751-300-00	1603
8-751-310-00	1601
8-751-330-00	1599
8-751-350-00	1596
8-751-360-00	1594
8-751-370-00	1592
8-751-380-00	1590
8-751-390-00	1588
8-751-410-00	1586
8-751-430-00	1582§
8-751-450-00	1584
8-751-771-00	1306
8-752-011-20	1860
8-752-030-26	1859
8-758-480-00	1665§
8-759-000-07	3470
8-759-000-09	7002
8-759-000-49	4066B
8-759-001-00	74HC132
8-759-001-20	1580§
8-759-001-31	74HC151
8-759-001-39	74HC164
8-759-001-40	74HC165
8-759-001-42	74HC174
8-759-004-63	74HC125
8-759-004-64	74HC126
8-759-004-72	74HC259
8-759-004-80	74HCT374
8-759-005-03	7002
8-759-005-92	927D
8-759-007-21	74HC4053
8-759-013-06	960
8-759-013-09	966
8-759-030-99	1910
8-759-031-41	7096
8-759-034-70	3470
8-759-040-44	974
8-759-040-46	980
8-759-040-53	4053B
8-759-100-09	1552§
8-759-100-60	1664
8-759-100-64	1680
8-759-100-75	1678
8-759-101-60	1045
8-759-101-73	1787
8-759-101-77	7101
8-759-101-80	1293§
8-759-102-68	7020
8-759-102-84	1714S
8-759-103-35	1844
8-759-103-58	1420§
8-759-103-68	1426§
8-759-103-93	943M
8-759-105-56	1416
8-759-105-57	1552§
8-759-105-82	1676
8-759-106-61	1844
8-759-109-06	7103
8-759-110-15	1563
8-759-110-17	1563
8-759-110-31	1245
8-759-110-32	1170
8-759-111-61	1489
8-759-111-67	1488
8-759-111-68	7100
8-759-111-71	1491
8-759-111-85	1293§
8-759-111-86	1458§
8-759-111-88	1724
8-759-112-38	1378
8-759-112-77	1626
8-759-113-00	306◆
8-759-113-05	7056
8-759-113-53	1246
8-759-113-58	1420§
8-759-113-78	1676
8-759-113-82	1616
8-759-115-57	1552§
8-759-125-56	1416
8-759-132-40	987
8-759-133-90	834
8-759-135-80	928M
8-759-140-01	4001B
8-759-140-11	4011B
8-759-140-13	4013B
8-759-140-53	4053B
8-759-140-66	4066B
8-759-140-69	4069
8-759-143-00	1960
8-759-143-02	1970
8-759-144-31	7055
8-759-145-27	1792
8-759-145-57	778A
8-759-145-58	778A
8-759-157-04	615A
8-759-157-11	1638
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10C	116
10C05	116
10C1	116
10C2	116
10C3	116
10C4	116
10C4D	116
10C5	116
10C6	116
10C8	125
10C10	125
10C573	108
10C574	108
10CH2SM	6240#
10CL2C41	6240
10CL2C41A	6240
10CL2CZ41A	6240#
10CL2CZ47	6240#
10CTF10	6240
10CTF20	6240
10CTF30	6241
10CTF40	6241
10D	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
10D-02	116
10D-05	116
10D05	116
10D-06	116
10D08	5072A
10-D1	116
10D-1	116
10D1	116
10D2	116
10D-2(Crown)	506
10D2(Crown)	506
10D2(Damper)	506
10D-2B	116
10D-2B-4	506
10D-2B(-4)	116
10D2L	116
10D2X4	116(4)
10D3	116
10D3G	116
10D4	116
10D-4	116
10D4A	125
10D4B	125
10D4C	116
10D4D	116
10D4E	116
10D4L	116
10D5	116
10D5A	506
10D5C	116
10D5D	506
10D5E	116
10D5F	116
10D6	116
10D-6	116
10D6B	116
10D6D	116
10D6E	116
10D6F	116
10D6K	116
10D7	125
10D7E	125
10D7F	125
10D-7K	125
10D8	125
10D-8E	125
10D9K	116
10D10	125
10D(ZENER)	5019T1
10DB	116(4)
10DB05P	5304
10DB1	166
10DB1P	5304
10DB2A	167
10DB2P	5304
10DB4A	168
10DB4P	5304
10DB6A	168
10DB6A-C	168
10DB6P	5305
10DB8P	5306
10DBF	116
10DC	116
10DC05	116(2)
10DC05(Red)	116
10DC05N	113A
10DC05R	116
10DC05R(Boost)	115
10DC1	116
10DC-1	116(2)
10DC1 Black	116
10DC1 Red	116
10DC-1(SANYO)	135A
10DC-1N	113A
10DC1N	125
10DC-1R	116
10DC1R	125
10DC-2	156(2)
10DC-2B	116(2)
10DC-2C	116
10DC-2F	116(2)
10DC2F	116
10DC-2J	116
10DC-2R	156(2)
10DC4	116
10DC-4	116
10DC-4R	116
10DC4R	116
10DC8	125
10DCIN	116(2)
10DCIR	116(2)
10DCO.5	116(2)
10DCO5R	116
10DCOB	116
10DCOH	116
10DCTR	116
10DF1	552
10DF2	552
10DF4	552
10DF6	552
10DF8	558
10DG	116
10DK201	2V130
10DK220	2V014
10DK241	2V150
10DK270	2V017
10DK330	2V020
10DK391	2V250
10DK560	2V035
10DK820	2V050
10DL2C41	6240
10DL2C41A	6240
10DL2CZ41A	6240#
10DL2CZ47	6240#
10DO.5	116
10DO5	125
10DQ03	116
10DQ3	116
10DRV	116
10D-V	116
10DV	116
10DX2	116
10DZ	116
10E-1	116
10E1	116
10E1LF	116
10E2	116
10E-2	552
10E2-TA2B	116
10E2V	116
10E4	116
10E4A	552
10E4B	552
10E-4D	116
10E4L	116
10E6	116
10E8	125
10E10	125
10E10(FA-8)	125
10E10P	116
10E10-TA2B5	125
10EB1	140A
10EF1	552
10EF2	552
10EI	116
10ELS1	587
10ELS2	587
10ELS4	552
10ELS4-TA-1	552
10ELS6	552
10ELS6TA1	552
10EZ	116
10F5	5854
10F50	5924
10FCRA	314
10FCRB	314
10FCRC	314
10FCRD	314
10FCRE	314
10FCRF	314
10FCRG	314
10FCRH	314
10FL2CZ41A	6241#
10FWJ2C11	6085◆
10FWJ2C41	6085
10FWJ2C42	6085
10FWJ2CZ47	6085#
10G4	125
10G1051	108
10G1052	108
10GA	125
10GWJ2C11	6085◆
10GWJ2C41	6085
10GWJ2C42	6085
10GWJ2CZ47	6085#
10H	116
10H3	5874
10H3P	5854
10H3PN	5855
10H551	108
10H553	108
10H1051	108
10H1053	108
10HB05	5322
10HB10	5322
10HB20	5322
10HB40	5324
10HB60	5326
10HB80	5327
10HB100	5328
10HR3N	5819
10HR3P	5818
10I10	125
10-i3002-004	130
10J2	116
10J2F	116
10J3P	5874
10JH3	6050
10JTF10	6244
10JTF20	6244
10K	116
10K-1	116
10K80	505
10K241U(MOV)	2V150
10KF10	599
10KF20	599
10KF30B	6241
10KF40B	6241
10KQ30	6083
10KQ40	6083
10L15	525
10M	116
10M3.9AZ5	5174A
10M4.3AZ5	5175A
10M4.7AZ5	5176A
10M5.1AZ5	5177A
10M5.6AZ5	5178A
10M6.2AZ5	5180A
10M6.8AZ5	5181A
10M6.8Z5	5181A
10M7.5AZ5	5182A
10M7.5Z5	5182A
10M8.2Z5	5183A
10M9.1Z5	5185A
10M10	5982
10M10Z5	5186A
10M11Z5	5187A
10M12Z5	5188A
10M13Z5	5189A
10M14Z5	5190A
10M15Z5	5191A
10M16Z5	5192A
10M17Z	5193A
10M17Z5	5193A
10M17Z10	5193A
10M18Z	5194A
10M18Z5	5194A
10M18Z10	5194A
10M19Z5	5195A
10M20	5986
10M20T5	5196A
10M22Z5	5197A
10M24Z5	5198A
10M25Z	5199A
10M25Z5	5199A
10M25Z10	5199A
10M27Z5	5200A
10M30	5988
10M30Z5	5202A
10M33Z5	5203A
10M36Z5	5204A
10M39Z5	5205A
10M39Z10	5174A
10M40	5990
10M43Z5	5206A
10M47Z5	5208A
10M50	5992
10M50Z5	5209A
10M51Z5	5210A
10M56Z5	5212A
10M60	5994
10M62Z5	5214A
10M68Z5	5215A
10M75Z5	5216A
10M80	5998
10M82Z5	5217A
10M91Z5	5219A
10M100	6002
10M100Z5	5220A
10M105Z5	5221A
10M110Z5	5222A
10M120Z5	5223A
10M130Z5	5224A
10M140Z5	5225A
10M150Z5	5226A
10M160Z5	5227A
10M275	5200A
10MA10	5983
10MA20	5987
10MA30	5989
10MA40	5991
10MA60	5995
10MA80	5999
10MA100	6003
10MWJ2CZ47	6086#
10MZ200Z5	5232A
10N1	116
10N2	5874
10N2(Zener)	5019A
10N3	5874
10N3(Zener)	5019A
10O1492	462§
10P1	159
10P1A	159
10P1S	5522
10P1SG	5522
10P2	5874
10P2S	5524
10P2SG	5524
10P3	5874
10P3S	5527
10P3SG	5527
10P4S	5527
10P4SG	5527
10P5S	5529
10P5SG	5529
10P6S	5529
10P6SG	5529
10P8S	5531
10P8SG	5531
10PCRA	5514
10PCRB	5514
10PCRC	5514
10PCRD	5514
10PCRE	5514
10PCRF	5515
10PCRG	5515
10PCRH	5515
10PCRI	5516
10PCRJ	5516
10PCRSA	5501
10PCRSB	5501
10PCRSC	5502
10PCRSD	5504
10PCRSE	5504
10PCRSF	5507
10PCRSG	5507
10PCRSH	5507
10PCRSI	5509
10PCRSJ	5509
10PZ6.8	5181A
10PZ6.8A	5181A
10PZ6.8B	5181A
10PZ6.8C	5181A
10PZ6.8D	5181A
10PZ7.5	5182A
10PZ7.5A	5182A
10PZ7.5B	5182A
10PZ7.5C	5182A
10PZ7.5D	5182A
10PZ8.2	5183A
10PZ8.2A	5183A
10PZ8.2B	5183A
10PZ8.2C	5183A
10PZ8.2D	5183A
10PZ9.1	5185A
10PZ9.1A	5185A
10PZ9.1B	5185A
10PZ9.1C	5185A
10PZ9.1D	5185A
10PZ10	5186A
10PZ10A	5186A
10PZ10B	5186A
10PZ10C	5186A
10PZ10D	5186A
10PZ11	5187A
10PZ11A	5187A
10PZ11B	5187A
10PZ11C	5187A
10PZ11D	5187A
10PZ12	5188A
10PZ12A	5188A
10PZ12B	5188A
10PZ12C	5188A
10PZ12D	5188A
10PZ13	5189A
10PZ13A	5189A
10PZ13B	5189A
10PZ13C	5189A
10PZ13D	5189A
10PZ14	5190A
10PZ14A	5190A
10PZ14B	5190A
10PZ14C	5190A
10PZ14D	5190A
10PZ15	5191A
10PZ15A	5191A
10PZ15B	5191A
10PZ15C	5191A
10PZ15D	5191A
10PZ16	5192A
10PZ16A	5192A
10PZ16B	5192A
10PZ16C	5192A
10PZ16D	5192A
10PZ18	5194A
10PZ18A	5194A
10PZ18B	5194A
10PZ18C	5194A
10PZ18D	5194A
10PZ20	5196A
10PZ20A	5196A
10PZ20B	5196A
10PZ20C	5196A
10PZ20D	5196A
10PZ22	5197A
10PZ22A	5197A
10PZ22B	5197A
10PZ22C	5197A
10PZ22D	5197A
10PZ24	5198A
10PZ24A	5198A
10PZ24B	5198A
10PZ24C	5198A
10PZ24D	5198A
10PZ27	5200A
10PZ27A	5200A
10PZ27B	5200A
10PZ27C	5200A
10PZ27D	5200A
10PZ30	5202A
10PZ30A	5202A
10PZ30B	5202A
10PZ30C	5202A
10PZ30D	5202A
10PZ33	5203A
10PZ33A	5203A
10PZ33B	5203A
10PZ33C	5203A
10PZ33D	5203A
10PZ36	5204A
10PZ36A	5204A
10PZ36B	5204A
10PZ36C	5204A
10PZ36D	5204A
10PZ39	5205A
10PZ39A	5205A
10PZ39B	5205A
10PZ39C	5205A
10PZ39D	5205A
10PZ43	5206A
10PZ43A	5206A
10PZ43B	5206A
10PZ43C	5206A
10PZ43D	5206A
10PZ47	5208A
10PZ47A	5208A
10PZ47B	5208A
10PZ47C	5208A
10PZ47D	5208A
10PZ51	5210A
10PZ51A	5210A
10PZ51B	5210A
10PZ51C	5210A
10PZ51D	5210A
10PZ56	5212A
10PZ56A	5212A
10PZ56B	5212A
10PZ56C	5212A
10PZ56D	5212A
10PZ68	5215A
10PZ68A	5215A
10PZ68B	5215A
10PZ68C	5215A
10PZ68D	5215A
10PZ75	5216A
10PZ75A	5216A
10PZ75B	5216A
10PZ75C	5216A
10PZ75D	5217A
10PZ82	5217A
10PZ82A	5217A
10PZ82B	5217A
10PZ82C	5217A
10PZ82D	5217A
10PZ91	5219A
10PZ91A	5219A
10PZ91B	5219A
10PZ91C	5219A
10PZ91D	5219A
10PZ100	5220A
10PZ100A	5220A
10PZ100B	5220A
10PZ100C	5220A
10PZ100D	5220A
10PZ110	5222A
10PZ110A	5222A
10PZ110B	5222A
10PZ110C	5222A
10PZ110D	5222A
10PZ120	5223A
10PZ120A	5223A
10PZ120B	5223A
10PZ120C	5223A
10PZ120D	5223A
10PZ130	5224A
10PZ130A	5224A
10PZ130B	5224A
10PZ130C	5224A
10PZ130D	5224A
10PZ150	5226A
10PZ150A	5226A
10PZ150B	5226A
10PZ150C	5226A
10PZ150D	5226A
10PZ160	5227A
10PZ160A	5227A
10PZ160B	5227A
10PZ160C	5227A
10PZ160D	5227A
10PZ180	5230A
10PZ180A	5230A
10PZ180B	5230A
10PZ180C	5230A
10PZ180D	5230A
10PZ200	5232A
10PZ200A	5232A
10PZ200B	5232A
10PZ200C	5232A
10PZ200D	5232A
10PZ977C	7489
10Q3	5944
10R1B	116
10R2	5913
10R2B	116
10R3B	116
10R4B	116
10R5B	116
10R6B	116
10R7B	125
10R8B	125
10R9B	125
10R10B	125
10R11B	506
10R12B	506
10R13B	506
10R14B	506
10R15B	525
10RC2	5521
10RC2A	5521
10RC5	5521
10RC5A	5521
10RC10	5522
10RC10A	5522
10RC15	5524
10RC15A	5524
10RC20	5524
10RC20A	5524
10RC25	5527
10RC25A	5545
10RC30	5527
10RC30A	5527
10RC40	5527
10RC40A	5527
10RC50	5529
10RC50A	5529
10RC60	5529
10RC60A	5529
10RC70	5531
10RC70A	5531
10RC80	5531
10RC80A	5531
10RIA10	5522
10RIA20	5524
10RIA40	5527
10RIA60	5529
10RIA80	5531
10RZ6.8	5181AK
10RZ6.8A	5181AK
10RZ6.8B	5181AK
10RZ6.8C	5181A
10RZ7.5	5182AK
10RZ7.5A	5182AK
10RZ7.5B	5182AK
10RZ7.5C	5182A
10RZ7.5D	5182A
10RZ8.2	5183AK
10RZ8.2A	5183AK
10RZ8.2B	5183AK
10RZ8.2C	5183A
10RZ8.2D	5183A
10RZ9.1	5185AK
10RZ9.1A	5185AK
10RZ9.1B	5185AK
10RZ9.1C	5185A
10RZ9.1D	5185A
10RZ10	5186AK
10RZ10A	5186AK
10RZ10B	5186AK
10RZ10C	5186A
10RZ10D	5186A
10RZ11	5187AK
10RZ11A	5187AK
10RZ11B	5187AK
10RZ11C	5187A
10RZ11D	5187A
10RZ12	5188AK
10RZ12A	5188AK
10RZ12B	5188AK
10RZ12C	5188A
10RZ12D	5188A
10RZ13	5189AK
10RZ13A	5189AK
10RZ13B	5189AK
10RZ13C	5189A
10RZ13D	5189A
10RZ15	5191AK
10RZ15A	5191AK
10RZ15B	5191AK
10RZ15C	5191A
10RZ15D	5191A
10RZ16	5192AK
10RZ16A	5192AK
10RZ16B	5192AK
10RZ16C	5192A
10RZ16D	5192A
10RZ18	5194AK
10RZ18A	5194AK
10RZ18B	5194AK
10RZ18C	5194A
10RZ18D	5194A
10RZ20	5196AK
10RZ20A	5196AK
10RZ20B	5196AK
10RZ20C	5196A
10RZ20D	5196A
10RZ22	5197AK
10RZ22A	5197AK
10RZ22B	5197AK
10RZ22C	5197A
10RZ22D	5197A
10RZ24	5198AK
10RZ24A	5198AK
10RZ24B	5198AK
10RZ24C	5198A
10RZ24D	5198A
10RZ27	5200AK
10RZ27A	5200AK
10RZ27B	5200AK
10RZ27C	5200A
10RZ27D	5200A
10RZ30	5202AK
10RZ30A	5202AK
10RZ30B	5202AK
10RZ30C	5202A
10RZ30D	5202A
10RZ33	5203AK
10RZ33A	5203AK
10RZ33B	5203AK
10RZ33C	5203A
10RZ33D	5203A
10RZ36	5204A
10RZ36A	5204AK
10RZ36B	5204AK
10RZ36C	5204A
10RZ36D	5204A
10RZ39	5205AK
10RZ39A	5205AK
10RZ39B	5205AK
10RZ39C	5205A
10RZ39D	5205A
10RZ43	5206AK
10RZ43A	5206AK
10RZ43B	5206AK
10RZ47	5208AK
10RZ47A	5208AK
10RZ47B	5208AK
10RZ47C	5208A
10RZ47D	5208A
10RZ51	5210AK
10RZ51A	5210AK
10RZ51B	5210AK
10RZ51C	5210A
10RZ51D	5210A
10RZ56	5212AK
10RZ56A	5212AK
10RZ56B	5212AK
10RZ56C	5212A
10RZ56D	5212A
10RZ68	5215AK
10RZ68A	5215AK
10RZ68B	5215AK
10RZ68C	5215A
10RZ68D	5215A
10RZ75	5216AK
10RZ75A	5216AK
10RZ75B	5216AK
10RZ75C	5216A
10RZ75D	5216A
10RZ82	5217AK
10RZ82A	5217AK
10RZ82B	5217AK
10RZ82C	5217A
10RZ82D	5217A
10RZ91	5219AK
10RZ91A	5219AK
10RZ91B	5219AK
10RZ91C	5219A
10RZ91D	5219A
10RZ100	5220AK
10RZ100A	5220AK
10RZ100B	5220AK
10RZ100C	5220A
10RZ100D	5220A
10RZ110	5222AK
10RZ110A	5222AK
10RZ110B	5222AK
10RZ110C	5222A
10RZ110D	5222A
10RZ120	5223AK
10RZ120A	5223AK
10RZ120B	5223AK
10RZ120C	5223A
10RZ120D	5223A
10RZ130	5224AK
10RZ130A	5224AK
10RZ130B	5224AK
10RZ130C	5224A
10RZ130D	5224A
10RZ150	5226AK
10RZ150A	5226AK
10RZ150B	5226AK
10RZ150C	5226A
10RZ150D	5226A
10RZ160	5227AK
10RZ160A	5227AK
10RZ160B	5227AK
10RZ160C	5227A
10RZ160D	5227A
10RZ180	5230AK
10RZ180A	5230AK
10RZ180B	5230AK
10RZ180C	5230A
10RZ180D	5230A
10RZ200	5232AK
10RZ200A	5232AK
10RZ200B	5232AK
10RZ200C	5232A
10RZ200D	5232A
10T5.6	5178A
10T5.6A	5178A
10T5.6B	5178A
10T5.6R	5178AK
10T5.6RA	5178AK
10T5.6RB	5178AK
10T6.2	5180A
10T6.2A	5180A
10T6.2B	5180A
10T6.2R	5180AK
10T6.2RA	5180AK
10T6.2RB	5180AK
10T6.8	5181A
10T6.8A	5181A
10T6.8B	5181A
10T6.8R	5181AK
10T6.8RA	5181AK
10T6.8RB	5181AK
10T7.5	5182A
10T7.5A	5182A
10T7.5B	5182A
10T7.5R	5182AK
10T7.5RA	5182AK
10T7.5RB	5182AK
10T8.2	5183A
10T8.2A	5183A
10T8.2B	5183A
10T8.2R	5183AK
10T8.2RA	5183AK
10T8.2RB	5183AK
10T9.1	5185A
10T9.1A	5185A
10T9.1B	5185A
10T9.1R	5185AK
10T9.1RA	5185AK
10T9.1RB	5185AK
10T10	5186A
10T10A	5186A
10T10B	5186A
10T10R	5186AK
10T10RA	5186AK
10T10RB	5186AK
10T11	5187A
10T11A	5187A
10T11B	5187A
10T11R	5187AK
10T11RA	5187AK
10T11RB	5187AK
10T12	5188A
10T12A	5188A
10T12B	5188A
10T12R	5188AK
10T12RA	5188AK
10T12RB	5188AK
10T13	5189A
10T13A	5189A
10T13B	5189A
10T13R	5189AK
10T13RA	5189AK
10T13RB	5189AK
10T15	5191A
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10T39R	5205AK
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10T51A	5210A
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10T75	5216A
10T75A	5216A
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10T75R	5216AK
10T75RA	5216AK
10T75RB	5216AK

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To Be Replaced	ECG Replacement
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10T100R	5220AK
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10T150	5226A
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10TB3	5507
10TB4	5507
10TB5	5529
10TB6	5529
10TB7	5531
10TB8	5531
10TQ030	6083
10TQ035	6083
10TQ040	6083
10TQ045	6083
10V	140A
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10V(2 watt)	5125A
10V(2 Watt)	5125A
10VB20	5314
10VJ	140A
10Y(ZENER)	5019T1
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11-0430	177
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11-085007	109
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11A1(Zener)	5020A
11B1(Zener)	5020A
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11B(Zener)	5020A
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11C2(Zener)	5020A
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11DQ09	578
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12-680701-05	5547
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12A2(Zener)	5021T1
12A3(Zener)	5021T1
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12A9244-1	160
12A9244-P2	160
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12CC-12	5882
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12G270K	2V017
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12G391K	2V250
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12X047	123A
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12Y(Zener)	5021T1
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13-0095	316
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13-0099	5800
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13-0012002-00X	109
13-0012003-00X	109
13-0014085-163	123AP
13-0017596-002	519
13-0017596-010	519
13-0018924-001	5400
13-0018924-002	5401
13-0018924-003	5400
13-0018924-004	5400
13-0018924-005	5400
13-0018924-006	5404
13-0018924-007	5404
13-0018924-008	5400
13-0022017-00X	177
13-0022154-00X	610
13-0022322-00X	5019A
13-0022335-00X	5011A
13-0022463-00X	116
13-0022463-01X	116
13-0022609-00X	177
13-0022619-00X	519
13-0022620-00X	519
13-0023013-02X	229
13-0023017-02X(ECB)	229
13-0023160-03X	107
13-0023163-02X	107
13-0023163-03X	107
13-0023309-04X	123AP
13-0023309-05X	123AP
13-0023345-01X	199
13-0023362-04X	294
13-0023510-03X	123AP
13-0023510-05X	123AP
13-0023511-04X	294
13-0023514-03X	293
13-0023534-02X	294
13-0023539-01X	288
13-0023708-04X	159
13-0023708-05X	159
13-0023713-09X	159
13-0023822-001	319P
13-0023824-001	319P
13-0023824-003	319P
13-0023826-001	159
13-0025802-N92	294
13-0026666-001	128
13-0029033-001	123AP
13-0029033-002	123AP
13-0029033-003	123AP
13-0029033-004	199
13-0029033-005	123AP
13-0029033-006	123AP
13-0029776-001	159
13-0029776-002	159
13-0029776-003	159
13-0029867-001	177
13-0029867-002	177
13-0031013-007(EBC)	229
13-0031013-009	159
13-0031013-07	187A
13-0031013-019	193
13-0031013-022	123AP
13-0031013-024	294
13-0031013-026	192§
13-0031013-027	287
13-0031013-028	123AP
13-0031013-029	108
13-0031013-031	159
13-0031013-045	123AP
13-0031013-047	198
13-0031013-053	108
13-0031013-056	123AP
13-0031013-064	187A
13-0031013-067	186A
13-0031014-008	116
13-0031014-014	5010A
13-0031014-021	109
13-0031014-030	552
13-0033179-001	5099A
13-0033179-004	140A
13-0033179-005	5079A
13-0033179-006	142A
13-0033179-007	5097A
13-0033179-008	5082A
13-0033179-010	5096A
13-0033179-012	5094A
13-0033179-013	135A
13-0033179-014	142A
13-0033182-001	162
13-0033182-002	162
13-0033187-001	5047A
13-0033187-002	5050A
13-0033187-003	5029A
13-0033187-004	5031A
13-0033187-005	5048A
13-0033187-006	5019A
13-0033187-007	5019A
13-0033187-010	5055A
13-0033187-011	5021A
13-0033187-012	5011A
13-0033187-013	5052A
13-0033187-014	5006A
13-0033187-015	5032A
13-0033187-016	5033A
13-0033187-017	5007A
13-0033187-018	5024A
13-0033187-019	5008A
13-0033187-021	5022A
13-0033187-024	5020A
13-0033187-026	5015A
13-0033187-027	5107T2
13-0033187-029	5028A
13-0033187-031	5029A
13-0033187-032	5005A
13-0033187-033	5035A
13-0033187-035	5046A
13-0033187-036	5027A
13-0033187-037	5035A
13-0033187-038	5016A
13-0033187-039	5013T1
13-0033187-040	5010A
13-0033187-13	5052A
13-0033187-45	5015A
13-0033595-001	123A
13-0033595-002	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
13-0033595-003	123A
13-0034056-001	177
13-0035807-002	123AP
13-0037905-1	615A
13-0039099-001	152
13-0039099-002	196
13-0039099-003	196
13-0039114-003	123AP
13-0039860-001	116
13-0039970-001	159
13-0041122-002	125
13-0041122-003	125
13-0041122-005	125
13-0041123-002	125
13-0043634-001	159
13-0043773-001	123AP
13-0043777-001	552
13-0043777-002	552
13-0043956-001	580
13-0045147-001	525
13-0045147-002	525
13-0045147-003	525
13-0045321-001	171
13-0-84	159
13-0100	135A
13-0101	312
13-0102	312
13-0103	7490
13-0104	74145
13-0106	5092A
13-0108	1115
13-0109	128
13-0114	312
13-0115	153
13-0117	614
13-0118	222
13-0123	923D
13-0126	107
13-0129	78
13-0130	79
13-0135	724
13-0136	941M
13-0139	7474
13-0140	74S74
13-0142	74H08
13-0143	7400
13-0161	981
13-0164	5069A
13-0165	222
13-0174	74C04
13-0178	293
13-0321-5	123A
13-0321-6	123A
13-0321-7	123A
13-0321-8	123A
13-0321-9	123A
13-0321-10	123A
13-0321-11	123A
13-0321-12	123A
13-0321-14	108
13-0321-15	108
13-0321-16	108
13-0321-17	108
13-0321-21	108
13-0321-81	123A
13-076001	724
13-076002	703
13-085012	109
13-085015	177
13-085022	177
13-085023	177
13-085024	125
13-085026	177
13-085027	125
13-085028	139A
13-085029	110MP
13-085039	116
13-085042	139A
13-087005	102A
13-087005(Diode)	177
13-087027	116
13-0161882-101	254
13-0162399-102	123AP
13-0162414-102	172A
13-1-6	703
13-2i606-1	127
13-2P64	152
13-2P64-1	152
13-3-6	726
13-4P63	152
13-4P63-1	152
13-4P63-I	152
13-9-4	HiDiv-2
13-9-6	703
13-10-4	HiDiv-2
13-10-6	703
13-10-6(Fleetwood)	703
13-11-6	703
13-11-6(Sears)	703
13-12-4	HiDiv-2
13-17-6	123A*
13-17-6(Sears)*	123A
13-18-4	HiDiv-2
13-19-4	HiDiv-2
13-20-4	HiDiv-2
13-21-4	HiDiv-1
13-24-6	712
13-26-6	718
13-27-6	711
13-27-6(Sears)	711
13-28-6	706
13-28-6(Sears)	706
13-29-6	712
13-29-6(Sears)	712
13-30-6	780
13-38-6	906
13-40-6	715
13-41-6	790
13-42-6	714
13-50-6	767§
13-52-6	722
13-52-G	722
13-53-6	909
13-56-6	738
13-57-6	739
13-58-6	804
13-59-6	804
13-60-6	722
13-61-6	804
13-64-6	712
13-67-6	739
13-69-6	815
13-74-6	5081A
13-112-6	7410
13-117-6	74LS175
13-127-6	7493A
13-136-6	74S04
13-139-6	74LS04
13-146-6	74107
13-149-6	7427
13-1004-1	182§
13-1005-1	154
13-1006-1	123AP
13-1007-1	159
13-1008-1	199
13-1014-1	5069A
13-1015-1/A	5202AK
13-1022-1	128
13-1023-1	77
13-1024-1	76
13-1025-1	162
13-1025-1/A	162
13-1027-1	76
13-1027-2	76
13-1029-1	76
13-1032-5	108
13-1038-1	127
13-1130B	112
13-1836-1	123A
13-1847-1	196
13-2033-3	199
13-2323-4	289A
13-2324-6	123A
13-2338-4	199
13-2339-3	199
13-2384-2	161
13-3684	5314
13-3686-1	287
13-3789	238
13-4085-41	199
13-4085-121	199
13-4085-122	199
13-4377-1	116
13-5018-6	941M
13-5020-6	923D
13-5022-6	74154
13-5111-1	5130A
13-5111-3	5127A
13-5118-6	7403
13-5147-6	80C97
13-5148-6	7447
13-5153-6	988
13-5156-6	4069
13-5194-6	740A
13-10102-1	116
13-10320-14	161
13-10321-1	108
13-10321-2	108
13-10321-3	116
13-10321-5	108
13-10321-6	108
13-10321-7	108
13-10321-8	108
13-10321-9	108
13-10321-10	108
13-10321-11	108
13-10321-12	108
13-10321-14	108
13-10321-15	108
13-10321-16	108
13-10321-17	108
13-10321-20	108
13-10321-21	108
13-10321-26	108
13-10321-27	102
13-10321-28	126A
13-10321-29	107
13-10321-30	108
13-10321-31	107
13-10321-32	107
13-10321-34	555A
13-10321-35	229
13-10321-36	229
13-10321-37	222
13-10321-38	108
13-10321-39	108
13-10321-41	229
13-10321-42	112
13-10321-43	108
13-10321-46	229
13-10321-47	229
13-10321-49	612
13-10321-50	395
13-10321-51	108
13-10321-54	555A
13-10321-55	112
13-10321-58	127
13-10321-60	616
13-10321-61	616
13-10321-62	229◆
13-10321-63	616
13-10321-64	5025A
13-10321-65	395
13-10321-66	229
13-10321-67(EBC)	107
13-10321-68	616
13-10321-69	112
13-10321-70	395
13-10321-70(FET)	454§
13-10321-71	229
13-10321-72	108
13-10321-73	108
13-10321-74	108
13-10321-75	229
13-10321-76	161
13-10321-77	229
13-10321-78	161
13-10321-79	108
13-10321-80	613
13-10321-81	229
13-10321-82	229
13-10321-83	454§
13-10321-84	454§
13-10321-85	454§
13-10321-86	616
13-10321-87	454§
13-10321-88	229
13-10321-89	229
13-10321-89-1	319P
13-10321-90	112
13-10321-91	229
13-10321-92	112
13-10321-93	108
13-10321-94	108
13-10321-95	229
13-10321-96	613
13-10321-97	613
13-10321-98	161
13-10321-99	107
13-10321-100	107
13-10321-102	229
13-10321-103	112
13-10321-104	612
13-10321-106	313
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13-10321-108	229
13-10321-109	107
13-10321-110	112
13-10321-111	108
13-10321-112	616
13-10321-113	553
13-10321-114	395
13-10321-115	616
13-10321-116	616
13-10321-117	177
13-10321-118	555A
13-10321-119	616
13-10321-120	612
13-10321-121	616
13-10321-122	5024A
13-10321-124	519
13-10321-125	112
13-10321-126	616
13-10321-128	555A
13-10321-129	107
13-10321-130	553
13-10321-131	616
13-10321-132	616
13-10321-133	229
13-10321-137	5010A
13-10321-138	107
13-10321-139	454§
13-10321-141	112
13-10321-142	616
13-10321-144	108
13-10321-147	313
13-10321-149	455
13-10321-150	455
13-10321-153	555A
13-10321-154	616
13-10321-156	229
13-10321-157	229
13-10321-158	395
13-10321-159	455
13-10321-160	107
13-10321-161	455
13-12001-0	109
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13-12002-0	109
13-12003-0	109
13-12003-0/3626	109
13-13002-0/3626	109
13-13532-1	159
13-14084-80	5030A
13-14085-1	108
13-14085-2	108
13-14085-3	107
13-14085-4	107
13-14085-6	123A
13-14085-7	123A
13-14085-9	102A
13-14085-10	102A
13-14085-11	158
13-14085-12	158
13-14085-13	159
13-14085-14	172A
13-14085-15	123A
13-14085-15A	128
13-14085-16	107
13-14085-17	107
13-14085-18	102A
13-14085-23	102A
13-14085-24	108
13-14085-25	158
13-14085-26	229
13-14085-27	108
13-14085-28	160
13-14085-29	124
13-14085-30	160
13-14085-31	126A
13-14085-32	126A
13-14085-33	126A
13-14085-34	123A
13-14085-35	102A
13-14085-39	199
13-14085-41	85
13-14085-42	229
13-14085-49	199
13-14085-50	123A
13-14085-52	85
13-14085-53	85
13-14085-54	85
13-14085-55	85
13-14085-56	374
13-14085-57	295
13-14085-58	102A
13-14085-59	102A
13-14085-60	102A
13-14085-61	158
13-14085-62	158
13-14085-71	102A
13-14085-72	123A
13-14085-74	108
13-14085-75	108
13-14085-76	85
13-14085-77	108
13-14085-78	102A
13-14085-79	158
13-14085-83	123A
13-14085-84	123A
13-14085-85	123A
13-14085-86	187
13-14085-87	159
13-14085-88	152
13-14085-89	123A
13-14085-90	102A
13-14085-91	128
13-14085-92	129
13-14085-93	126A
13-14085-94	199
13-14085-95	199
13-14085-96	199
13-14085-97	199
13-14085-98	85
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13-14085-102(SGD)	459
13-14085-103	459
13-14085-104	459
13-14085-105	192A§
13-14085-107	453
13-14085-112	193A
13-14085-113	186A
13-14085-114	85
13-14085-115	199
13-14085-116	290A
13-14085-117	187A
13-14085-118	186A
13-14085-119	289A
13-14085-121	152
13-14085-122	199
13-14085-123	184
13-14085-124	185
13-14085-125	85
13-14085-126	184
13-14085-127	199
13-14085-128	290A
13-14085-129	123AP
13-14085-130	199
13-14085-131	107
13-14085-132	85
13-14085-133	107
13-14085-134	229
13-14085-135	123AP
13-14085-136	184◆
13-14085-137	185◆
13-14085-139	290A
13-14085-140	184#
13-14085-141	185#
13-14085-142	159
13-14085-143	159
13-14085-144(ECB)	229
13-14085-145	199
13-14085-146	85
13-14085-147	85
13-14085-148	85
13-14085-149	290A
13-14085-150	289A
13-14085-151	289A
13-14085-152	290A
13-14085-153	292
13-14085-154	152
13-14085-155	199
13-14085-156	199
13-14085-157	289A
13-14085-158	85
13-14085-159	152
13-14085-160	453
13-14085-161	108
13-14085-162	123AP
13-14085-163	123AP
13-14085-164	123AP
13-14085-165	123AP
13-14085-166	123AP
13-14085-168	222
13-14085-169	152
13-14085-170	85
13-14085-171	123AP
13-14085-172	243
13-14085-173	244
13-14085-174	222
13-14085-175	108
13-14085-176	261
13-14085-177	262
13-14085-179	290A
13-14085-180	85
13-14094-1	109
13-14094-2	109
13-14094-3	109
13-14094-5	109
13-14094-6	125
13-14094-8	110MP
13-14094-9	109
13-14094-11	109
13-14094-12	116
13-14094-15	109
13-14094-16	116
13-14094-17	116
13-14094-24	116
13-14094-33	177
13-14094-36	601
13-14094-38	116
13-14094-39	116
13-14094-42	116
13-14094-52	116
13-14094-53	519
13-14094-54	116
13-14094-57	177
13-14094-59	5011A
13-14094-60	5019A
13-14094-79	5021A
13-14094-80	5030A
13-14097-7	177
13-14261-1	116
13-14261-3	116
13-14261-4	125
13-14261-5	116
13-14278-1	614
13-14278-2	614
13-14279-1	103A
13-14602-D9	159
13-14602-D92	159
13-14604-1	121MP
13-14604-1A	121MP
13-14604-1B	121MP
13-14604-1C	121MP
13-14604-1D	121MP
13-14604-1E	121MP
13-14605-1	128
13-14606-1	123A
13-14627-1	116
13-14627-4	116
13-14735	121
13-14735-1	121
13-14735A	121
13-14777-1	121MP
13-14777-1A	121MP
13-14777-1B	121MP
13-14777-1C	121MP
13-14777-1D	121MP
13-14778-1	121MP
13-14778-1A	121MP
13-14778-1B	121MP
13-14778-1C	121MP
13-14778-1D	121MP
13-14879-1	145A
13-14879-2	142A
13-14879-3	145A
13-14879-4	138A
13-14879-6	5079A
13-14879-7	5079A
13-14886-1	126A
13-14887-1	126A
13-14888-3	102
13-14889-1	126A
13-14890-1	109
13-15465-1	178MP
13-15804-1	123A
13-15805-1	102
13-15806-1	121
13-15808-1	123AP
13-15808-2	161
13-15809-1	154
13-15810-1	108
13-15833-1	128
13-15835-1	161
13-15836-1	102
13-15840-1	123A
13-15840-2	123A
13-15841-1	108
13-15842-1	297
13-15865-1	123A
13-16104-8	116
13-16104-9	116
13-16105-3	119
13-16106-1	118
13-16106-3	503
13-16106-4	504
13-16106-5	504
13-16106-6	504
13-16106-7	504
13-16219-7	113A
13-16235-8	109
13-16247-3	116
13-16570-1	159
13-16570-1A	159
13-16570-2	159
13-16570-2A	159
13-16592-1	127
13-16607-1	127
13-16608-1	127
13-16744-1	108
13-16769-1	123A
13-17174-1	125
13-17174-2	125
13-17174-3	125
13-17174-4	156
13-17174-5	125
13-17204-1	177
13-17557-1	116
13-17569-1	120
13-17569-2	120
13-17596-1	120
13-17596-2	519
13-17596-3	519
13-17596-4	519
13-17596-5	519
13-17596-6	519
13-17596-7	519
13-17596-8	519
13-17596-9	519
13-17596-10	519
13-17597-4	177
13-17607-1	127
13-17607B	127
13-17608-1	127
13-17608-2	127
13-17608B	127
13-17608C	127
13-17609-1	127
13-17825-1	116
13-17917-1	552
13-17917-2	552
13-17918-1	130
13-18022-7	109
13-18032-1	102A
13-18033-1	102A
13-18034	121
13-18034-1	121
13-18034A	121
13-18087-1	123A
13-18087-2	123A
13-18158-1	123A
13-18198-1	179
13-18282	124
13-18282-1	124
13-18304-1	102A
13-18359	124
13-18359-1	124
13-18359-3	124
13-18359A	124
13-18363	123
13-18363-1	123A
13-18363-1A	123
13-18364-1	123A
13-18365-1	199
13-18458-1	116
13-18481-1	5802
13-18481-2	5800
13-18481-3	5802
13-18642-1	179
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13-1032176	161
13-1261355-101	129
13-3011279-01X	614
13-3014132-1	194
13-3015121-001	238
13-3015121-1	238
13-3015122-1	123AP
13-3015123-1	159
13-3015124-001	397
13-3015124-1	397
13-3015125-001	386
13-3015125-1	386
13-3015126-1	156
13-3015127-001	5314
13-3015127-1	5314
13-3015128-001	287
13-3015128-1	287
13-3015132-001	194
13-3015132-1	194
13-3015134	123AP
13-3015733	159
13-3015733-001	159
13-3015733-1	159
13-3015735-001	5134A
13-3015735-002	5130A
13-3015735-003	5116A
13-3015735-004	5127A
13-3015735-005	5116A
13-3015735-007	5135A
13-3015735-009	5116A
13-3015735-010	5127A
13-3015735-1	5134A
13-3015735-2	5130A
13-3015735-3	5116A
13-3015735-4	5127A
13-3015735-5	5116A
13-3015735-7	5135A
13-3015735-9	5116A
13-3015735-10	5127A
13-3017070-1	109
13-3017070-2	109
13-3017119-2(IC)	852
13-3017148-1	5351A
13-3017148-2	5424
13-3017149-001	123AP
13-3017149-1	123AP
13-3017150-001	159
13-3017150-1	159
13-3017629-001(EBC)	399
13-3017629-1(EBC)	399
13-3017630-001	5152A
13-3017630-1	5152A
13-3017783-001	125
13-3017783-1	125
13-3017854-1	553
13-3019540-001	159
13-3019540-1	159
13-3031003-1	13
13-3031621-1	3017
13-3404704	292
13-4800869-145	129
13-4800869-256	6401
13-4800869-525	123AP
13-4804869-401	326
13-4882256-303	5069A
13-4882256-312	5011A
13-4882256-314	145A
13-4882256-318	5018A
13-4882256-320	146A
13-4882256-333	5002A
13-4882256-359	145A
13-4882466-813	116
13-4882525-707	5800
13-4882732-304	5944
13-4883461-512	146A
13-4883461-518	5077A
13-4883461-535	5137A
13-3017148002	5424
13-4800869145	129
13A(Zener)	5022A
13-B01475	5084A
13-B014935-000	506
13-B015230-000	5009A
13-B015234-000	5141A
13-B022222-000	123A
13-B023251	159
13-B023440-000	396
13-B023584	286
13-B023584-000	286
13-B025656-000	157
13-B026304-000	316
13B1(Zener)	5022A
13B2(Zener)	5022A
13B3(Zener)	5022A
13B14736-1	5071A
13B14741-00	5074A
13B14742-01	143A
13B14746-01	5077A
13B14747-00	5079A
13B14758-01	5090A
13B23792-00	219
13B23947-00	199
13B24918-00	6401
13B(Zener)	5022A
13BKJ1(GE)	119
13D4	116
13DD02F	140A
13J2	116
13J2F	116
13N1(Zener)	5022A
13N2(Zener)	5022A
13P1	116
13P2	177
13P2(Rectifier)	125
13PS035	5534A
13PS135	5534A
13PS235	5534A
13PS335	5534A
13PS435	5534A
13PS535	5534A
13PS635	5534A
13PT030	5679
13PT040	5679
13PT130	5679
13PT140	5679
13PT240	5679
13PT330	5679
13PT340	5679
13PT430	5679
13PT440	5679
13PT530	5679
13PT540	5679
13PT630	5679
13PT640	5679
13RC2	5541
13RC5	5541
13RC10	5542
13RC15	5543
13RC20	5543
13RC25	5545
13RC30	5545
13RC40	5545
13S	502
13SD-1N60	109
13ST-2SC2073SO	375
13T5	143A
13Y(Zener)	5022A
13Z6AF	5067A
13Z6F	5067A
13Z-1005	109
14-000514-36	519
14-000514-37	109
14-000514-38	5802
14-000514-42	519
14-000515-67	5018A
14-000515-73	5092A
14-000515-75	142A
14-000515-77	5051A
14-000515-84	5042A
14-000516-04	5412
14-000521-03	3020
14-000873-32	159
14-000934-12	189
14-000935-12	188
14-000936-32	287
14-000937-23	291
14-000940-01	219
14-000941-01	130
14-000943-12	108
14-000944-12	190
14-0072-1(Philco)	116
14-0072-2(Philco)	116
14-0072-3(Philco)	116
14-0086-1	129
14-0104-1	152
14-0104-2	153
14-0104-3	129
14-0104-4	128
14-0104-5	172A
14-0104-6	5066A
14-0104-7	123A
14-1	123A
14-2	123A
14-3	123A
14-10	109
14-19-273	548◆
14-19-275	548
14-19-723	548◆
14-19-725	548
14-501-01	113A
14-501-02	113A
14-503-01	114
14-503-02	114
14-503-03	114
14-503-04	114
14-503-08	114
14-504-01	109
14-504-04	114
14-507-01	177
14-509-01	142A
14-509-02	135A
14-510-01	109
14-511-01	109
14-512-01	109
14-513-01	109
14-514-01	109
14-514-01/51	109
14-514-02	177
14-514-03	506
14-514-03/53	506
14-514-04	110MP
14-514-04/64	110MP
14-514-05	109
14-514-05/55	109
14-514-06	109
14-514-07	506
14-514-07/57	506
14-514-08	109
14-514-08/58	109
14-514-09	109
14-514-10	109
14-514-10/60	109
14-514-11	110MP
14-514-11/61	110MP
14-514-12	519
14/514-12/62	506
14-514-13	110MP
14-514-13/63	110MP
14-514-14	506
14/514-14/64	506
14-514-15	177(2)
14-514-16	110MP
14-514-16/66	110MP
14-514-17	177
14-514-17/67	506
14-514-18	506
14-514-18/68	506
14-514-19	177
14-514-19/69	506
14-514-20	178MP
14-514-20/70	506
14-514-21	109
14-514-22	109
14-514-22/72	109
14-514-23	506
14-514-23/73	506
14-514-55	109
14-514-61	109
14-514-62	519
14-514-64	519
14-514-65	178MP
14-514-70	177
14-514-72	109
14-515-01	142A
14-515-02	135A
14-515-03	142A
14-515-04	138A
14-515-05	5077A
14-515-06	5186A
14-515-06/66	109
14-515-07	145A
14-515-08	5188A
14-515-09	145A
14-515-11	145A
14-515-13	138A
14-515-15	135A
14-515-18	141A
14-515-23	5024A
14-515-25	142A
14-515-26	138A
14-515-27	5071A
14-515-29	151A
14-515-30	5071A
14-515-73	145A
14-557-10	102A
14-569-09	160
14-573-10	121
14-574-10	121
14-575-10	123A
14-577-10	102A
14-578-10	121
14-579-10	121
14-580-01	160
14-581-01	160
14-582-01	126A
14-583-01	123A
14-584-01	102A
14-585-01	160
14-586-01	104
14-587-01	160
14-588-01	160
14-589-01	121
14-590-01	121
14-591-01	160
14-593-01	6400B
14-593-03	6400B
14-600-01	160
14-600-02	160
14-600-04	160
14-600-11	160
14-600-13	160
14-600-16	160
14-600-19	160
14-600-20	160
14-600-22	160
14-601-01	121
14-601-02	179
14-601-03	121
14-601-04	121
14-601-05	121
14-601-06	121
14-601-07	121
14-601-08	104
14-601-09	121
14-601-10	130
14-601-11	121
14-601-12	130
14-601-13	130
14-601-14	162
14-601-15	130
14-601-15A	130
14-601-16	130
14-601-16A	130
14-601-17	184
14-601-18	390
14-601-20	390
14-601-23	390
14-601-24	390
14-601-26	181
14-601-27	165
14-601-28	123A
14-602-01	123A
14-602-02	123A
14-602-03	123A
14-602-04	102A
14-602-05	102A
14-602-05A	102A
14-602-06	158
14-602-07	158
14-602-08	158
14-602-09	158
14-602-3	103A + 158(CP)
14-602-10	102A
14-602-11	159
14-602-11A	159
14-602-12	123A
14-602-13	123A
14-602-14	123A
14-602-15	102A
14-602-16	123A
14-602-17	123A
14-602-18	128
14-602-19	154
14-602-20	159
14-602-20A	159
14-602-21	103A
14-602-22	123A
14-602-23	123A
14-602-24	128
14-602-26	123A
14-602-27	103A + 158(CP)
14-602-28	129
14-602-28A	129
14-602-29	128
14-602-30	128
14-602-31	161
14-602-32	159
14-602-32A	159
14-602-33	103A + 158(CP)
14-602-34	161
14-602-35	123A
14-602-36	154
14-602-37	154
14-602-38	103A + 158(CP)
14-602-39	103A + 158(CP)
14-602-40	103A + 158(CP)
14-602-41	108
14-602-42	159
14-602-42A	159
14-602-43	128
14-602-44	159
14-602-44A	159
14-602-46	199
14-602-46A	199
14-602-47	159
14-602-47A	159
14-602-48	123A
14-602-49	128
14-602-50	123A
14-602-51	158
14-602-52	103A
14-602-54	193
14-602-54A	159
14-602-55	192§
14-602-55A	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
14-602-56	159
14-602-56A	159
14-602-57(MCP)	129MCP
14-602-58	159
14-602-58A	159
14-602-59	128
14-602-60	129
14-602-61	123A
14-602-62	123A
14-602-63	199
14-602-64	234
14-602-65	128
14-602-66	129
14-602-67	171
14-602-68	159
14-602-69	123A
14-602-70	192§
14-602-71	193
14-602-72	128
14-602-73	129
14-602-74	192§
14-602-75	193
14-602-76	198
14-602-77	107
14-602-77B	107
14-602-78	123A
14-602-79	129
14-602-79A	129
14-602-80	123A
14-602-81	123A
14-602-85	129
14-602-87	123A
14-602-88	159
14-602-89	123A
14-602-90	159
14-602-580	159
14-602-600	159
14-603-01	128
14-603-02	161
14-603-02A	128
14-603-03	123A
14-603-04	123A
14-603-05	107
14-603-05-2	107
14-603-06	107
14-603-07	128
14-603-08	161
14-603-09	161
14-603-10	123A
14-603-11	123A
14-603-12	108
14-603-13	161
14-604-03	131 + 155(CP)
14-604-07	121
14-604-08	121
14-607-29	129
14-607-29A	129
14-608-01	184
14-608-02	184
14-608-02A	196
14-608-03	184
14-608-04	184
14-609-00	152
14-609-01	191
14-609-01A	191
14-609-02	171
14-609-02A	191
14-609-03	152
14-609-03A	196
14-609-04	152
14-609-05	191
14-609-06	152
14-609-08	152
14-609-09	196
14-609-49A	108
14-651-12	123A
14-652-12	161
14-653-21	161
14-654-21	128
14-655-13	123A
14-656-21	123A
14-659-12	123A
14-660-12	123A
14-661-21	161
14-700-01	312
14-700-02	312
14-700-03	312
14-700-04	312
14-700-05	312
14-700-06	312
14-710-21	312
14-713-31	312
14-713-32	312
14-714-13	312
14-800-32	123A
14-801-23	199
14-802-12	123A
14-803-12	159
14-803-32	234
14-803 12	159
14-804-12	159
14-805-12	123A
14-806-12	123A
14-806-23	123A
14-807-12	106
14-808-12	159
14-809-23	123A
14-809-32	123A
14-811-12	194
14-850-12	161
14-851-12	161
14-851-32	123A
14-853-23	123A
14-854-12	123A
14-855-32	159
14-856-23	159
14-857-12	159
14-857-79	159
14-858-12	123A
14-861-12	106
14-862-23	123A
14-862-32	123A
14-863-23	159
14-864-12	123A
14-864-23	159
14-865-12	123A
14-866-32	123A
14-867-32	159
14-900-12	191
14-901-12	171
14-902-23	152
14-903-23	152
14-904-12	191
14-905-23	152
14-906-13	184
14-907-13	184
14-908-23	152
14-910-13	184
14-911-13	184
14-1007-00	705A
14-2000-01	172A
14-2000-02	172A
14-2000-03	172A
14-2000-04	172A
14-2000-05	172A
14-2000-23	172A
14-2002-01	312
14-2007-00	705A
14-2007-00B	707
14-2007-01	707
14-2007-02	705A
14-2007-03	707
14-2007-04	705A
14-2008-01	708
14-2009-01	814A§
14-2010-01	713
14-2010-02	713
14-2011-01	779A
14-2012-01	801
14-2014-01	815
14-2052-23	172A
14-2053-23	172A
14-2054-01	731
14-2056-01	OBS-NLA
14-2058-01	747
14-32430	108
14-40325A	130
14-40363A	130
14-40369A	130
14-40421A	130
14-40464A	130
14-40465A	130
14-40466A	130
14-40471	130
14-40934-1	130
14-82518	966
14-4882466-813	116
14 514 66	506
14 514 74	506
14 514 75	116
14 515 28	5082A
14 515 29	151A
14 601 28	123A
14 601 29	123A
14 651 12	123A
14 801 12	123A
14 801 23	123A
14 805 12	123A
14 806 12	123A
14 807 12	106
14 807 23	123A
14 808 12	159
14 809 23	123A
14 854 12	123A
14 857 12	159
14 857 32	129
14 861 12	106
14 862 32	123A
14 865 12	123A
14 866 32	123A
14 904 12	191
14 909 23	152
14 910 13	158
14 2010 02	172A
14 90412	191
14(Okidata)	2415
14A	121
14A0	121
14A1	121
14A1-A82	121
14A2	121
14A3	121
14A4	121
14A5	121
14A6	121
14A7	121
14A8	121
14A8-1	160
14A8-1-12	160
14A9	121
14A10	121
14A10R	121
14A11	121
14A12	121
14A13	121
14A13P	121
14A14	121
14A14-7	121
14A14-7B	121
14A15	121
14A15L	121
14A16	121
14A16-5	121
14A17	121
14A17-1	121
14A18	121
14A19	121
14A19G	121
14A75K	2V075
14A95K	2V095
14A115K	2V115
14A130K	2V130
14A150K	2V150
14A250K	2V250
14A275K	2V275
14A300K	2V300
14A420K	2V420
14A480K	2V480
14A674(FORD)	1396
14B348-003	523/3306
14B348-1	523/3306
14B348-2	523/3306
14B348-3	523/3306
14B348-4	523/3306
14B348-5	523/3306
14D18L	2V010
14D22L	2V014
14D24L	2V015
14D27L	2V017
14D33K	2V020
14D39K	2V025
14D47K	2V030
14D56K	2V035
14D68K	2V040
14D82K	2V050
14D100K	2V060
14DK201	2V130
14DK220	2V014
14DK241	2V150
14DK270	2V017
14DK330	2V020
14DK391	2V250
14DK560	2V035
14DK820	2V050
14i4-180	175
14J2	116
14J2F	116
14L0035	2001
14L0251	1970
14L0253	1974
14LN033	1060
14LN034	1181
14LQ007	1003
14MW69	102A
14P2	116
14T4	5408
14Z6AF	5068A
14Z6F	5068A
15-0009-05	196
15-008-1	106
15-0035059-001	712
15-0035059-002	712
15-0041627-001	821
15-0041627-002	821
15-0041764-001	822
15-0041764-002	822
15-0043312-001	820
15-0043312-002	820
15-0043705-001	4011B
15-0045184-1	4024B
15-0045300-001	712
15-0045693-001	848§
15-0077551-03X	4069
15-01742	159
15-01913-00	159
15-01999	123A
15-02155	128
15-02757-00	199
15-02762-00	159
15-02762-1	159
15-02762-2	159
15-02979	159
15-03014-00	123A
15-03051-00	107
15-03068	130
15-03069-00	284
15-03099	159
15-03100	123A
15-03409-0	159
15-03409-02	159
15-03409-1	159
15-05302	123A
15-05369	123A
15-05415	218
15-05650	123A
15-08800U	108
15-09090-01	159
15-09338	123A
15-09587	199
15-09650	128
15-09980	123A
15-082019	123A
15-085002	109
15-085003	109
15-085004	113A
15-085005	177
15-085006	116
15-085007	116
15-085008	177
15-085008(Midland)	506
15-085009	109
15-085018	112
15-085027	109
15-085032	109
15-085033	125
15-085037	109
15-085038	113A
15-085039	113A
15-085040	116
15-085041	125
15-085043	116
15-085047	113A
15-085061	109
15-088002	159
15-088002A	159
15-088003	107
15-088004	108
15-1	123A
15-2	123A
15-3	159
15-4	159
15-5	159
15-6R52	720
15-19CC19	5100A
15-20A70	110MP
15-20A90	110MP
15-20A-90M	109
15-23E06	747
15-30	159
15-40	159
15-50	159
15-166N	107
15-875-075-001	159
15-875-075-003	123A
15-1002-1	809
15-1231-4	503
15-2609-1	809
15-3184-1	801
15-3352-1	820
15-3793	797
15-3795	740A
15-7142C-1	722
15-10062-0	128
15-14471-1	1085
15-14471-4	828
15-14471-5	722
15-14471-6	743
15-14471-7	824
15-14471-8	824
15-14471-9	788
15-14471-11	1003
15-14471-12	1470
15-14471-13	801
15-14471-14	824
15-14471-15	1512
15-14471-16	1397§
15-14471-17	2004
15-14471-18	788
15-14471-21	1387
15-14471-22	1226
15-14471-24	1245
15-14471-26	778A
15-14471-28	1386§
15-14504-1	794§
15-26587	703
15-26587-1	703
15-31015-1	1022§
15-31015-7	712
15-31015-8	615A
15-31015-9	1115A
15-31015-10	712
15-31015-12	712
15-33201	712
15-33201-1	712
15-33201-2	712
15-34005-1	727
15-34048-1	708
15-34048-2	708
15-34049	722
15-34049-1	722
15-34049-3	722
15-34202-1	727
15-34379-1	720
15-34379-2	720
15-34379-3	720
15-34379-4	720
15-34401-1	763§
15-34408-2	708
15-34452	709
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15B821K	524V48
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15G390K	2V025
15G391K	2V250
15G431K	2V275
15G470K	2V030
15G471K	2V300
15G560K	2V035
15G680K	2V040
15G681K	2V420
15G820K	2V050
15G821K	2V480
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16AC3D1R	5679
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16AC3DIL	5679
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16AC4DIL	5679
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16FWJ2C42	6090#
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19-130-001	781§
19-130-001(Diode)	177
19-130-004	74145
19-130-005	7490
19-3349	128
19-3415	158
19-3416	158
19-3692	128
19-3934-643	128
19-3935-641	190
19-10298-00	941M
19-10415-00	923D
19-10476-0	74H01
19-15840	128
19-19420	108
19-20088-01	1784
19-100001	125
19A13-4339	1115
19A11552b-P1	137A
19A11644P1	708
19A11695-P2	339
19A13432P1	482
19A13437P1	352
19A115024-P4	116
19A115024-P6	125
19A115056-P1	127
19A115061-P1	123A
19A115061-P2	123A
19A115077-P1	102
19A115077-P2	102
19A115086-P1	109
19A115087-P1	126A
19A115089	5874
19A115094-P1	105
19A115098	126A
19A115098-P1	126A
19A115099-P1	126A
19A115100P1	552
19A115100-P1	116
19A115101	121
19A115101-P1	121
19A115102-P1	123A
19A115103-P1	101
19A115108-P1	123A
19A115108-P2	123A
19A115123-2	123A
19A115123-P1	123A
19A115123-P2	123A
19A115129-2	103
19A115129-P1	103
19A115140-P1	160
19A115140-P2	160
19A115142-P1	123A
19A115142-P2	123A
19A115145-P3	116
19A115145-P4	116
19A115157-1	123A
19A115167-2	123A
19A115178-P1	159
19A115178-P2	159
19A115180-2	129
19A115184-P1	121
19A115192-P1	160
19A115192-P2	160
19A115200-P1	152
19A115201-P1	101
19A115201-P2	101
19A115208	100
19A115208-P1	100
19A115208-P2	100
19A115238-2	128
19A115238-P1	128
19A115245-P1	123A
19A115245-P2	123A
19A115249-1	108
19A115249P1	316
19A115250	519
19A115250P1	552
19A115253-P1	123A
19A115253-P2	123A
19A115267P1	121
19A115268	121
19A115281-P1	102
19A115300	128
19A115300-1	128
19A115300-2	128
19A115300-P1	186
19A115300P2	128
19A115300-P2	186
19A115300-P3	186
19A115301-P1	100
19A115301-P2	100
19A115304-2	128
19A115315-P1	123A
19A115315-P2	123A
19A11532	112
19A115322-P1	112
19A115328-1	123A
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19A115329P1	123A
19A115329P2	123A
19A115330	123A
19A115330P1	287
19A115341P1	121
19A115342-1	108
19A115342-2	161
19A115342P1	316
19A115342-P1	123A
19A115342-P2	123A
19A115359-P1	123A
19A115359-P2	123A
19A115361-P1	121
19A115362-P1	123A
19A115362-P2	123A
19A115371-1	177
19A115376	121
19A115385-P1	121
19A115410-P1	123A
19A115410-P2	123A
19A115440-1	108
19A115440-2	108
19A115440P1	123A
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19A115458-P1	159
19A115458-P2	159
19A115460-P1	5545
19A115487-P1	105
19A115527	175
19A115527-1	175
19A115527-P1	175
19A115528-P3	139A
19A115528P6	5071A
19A115531-P1	127
19A115540-P1	105
19A115546-P1	101
19A115546-P2	101
19A115552P1	123A
19A115552P2	123A
19A115561	121
19A115561-1	121
19A115562P2	159
19A115569-P2	116
19A115591P1	123A
19A115591P2	123A
19A115623-P1	124
19A115623-P2	124
19A115628-P1	160
19A115628-P2	160
19A115635-1	160
19A115636-P1	160
19A115653-P1	159
19A115653-P2	159
19A115654-P1	159
19A115654-P2	159
19A115661P1	519
19A115665-P1	160
19A115665-P2	160
19A115666-1	108
19A115673-P1	101
19A115673-P2	101
19A115674-P1	102A
19A115674-P2	102A
19A115683-P1	5545
19A115683-P2	5545
19A115688-P1	159
19A115688-P2	159
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19A115706-P1	159
19A115706-P2	159
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19A115720-2	123A
19A115720P1	123A
19A115728-1	123A
19A115728-2	123A
19A115747-P1	5545
19A115753P1	181
19A115768-1	159
19A115768-2	159
19A115768-3	159
19A115768P1	159
19A115768-P1	159
19A115768-P2	159
19A115768P3	159
19A115779P1	159
19A115783-1	124
19A115786	123A
19A115786A	123A
19A115810P1	311
19A115817P1	124
19A115818	181
19A115852P1	159
19A115889P1	287
19A115889-P1	128
19A115889-P2	128
19A115889-P3	128
19A115910P1	123A
19A115913-1	9930
19A115913-2	9951
19A115913-3	9932
19A115913-4	9933
19A115913-10	9093
19A115913-19	9946
19A115913-20	9962
19A115913P2	9951
19A115913P7	9946
19A115913P9	9962
19A115913P14	9936
19A115925-1	108
19A115944P1	123A
19A115944P2	123A
19A115976P1	129
19A116081	177
19A116118-1	152
19A116118-2	152
19A116118-i	152
19A116118P1	152
19A116118P2	152
19A116159P1	69
19A116180-7	7440
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19A116180-18	7486
19A116180-22	7405
19A116180-24	7490
19A116180-25	7491
19A116180-27	7492
19A116180-29	7495
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19A116180P2	7401
19A116180P3	7402
19A116180P4	7410
19A116180P5	7420
19A116180P7	7440
19A116180P8	7450
19A116180P11	7454
19A116180-P13	7470
19A116180P15	7473
19A116180P16	7474
19A116180P18	7486
19A116180P20	7404
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19A116203P2	2305
19A116223P1	159
19A116297P3	941
19A116297P3-9	941
19A116297P3-10	941
19A116297P6	941M
19A116325P16	5116A
19A116375	153
19A116375P1	153
19A116408-1	159
19A116435P4	5127A
19A116445	709
19A116445P1	708
19A116524P2	5991
19A116549P1	909
19A116623	912
19A116631P1	123A
19A116642P1	5404
19A116742P1	196
19A116753P1	181
19A116754P1	778A
19A116755P1	123A
19A116758P1	180
19A116761P1	130
19A116768P1	159
19A116774P1	123AP
19A116774-P1	123A
19A116783P1	5812
19A116796-1	704
19A116797-1	710
19A116818P1	454§
19A116839-P3	339
19A116841P1	923
19A116865	123A
19A116868P1	346
19A116899P1	123A
19A116968P1	955M
19A123160-1	108
19A123160-2	108
19A126265-1	160
19A126265-2	160
19A126813	130
19A126813A	130
19A126826-P2	181
19A129165P1	363
19A129181-P1	349
19A129181-P2	350
19A129181-P3	351
19A129181-P4	320
19A129207P1	123A
19A134060-P1	349
19A134060P1	320
19A134060-P2	350
19A134060P2	351
19A134060P3	320
19A134060P4	320
19A134093P1	466
19A134097P2	4001B
19A134097P9	4011B
19A134097P10	4012B
19A134097P13	4015B
19A134097P15	4017B
19A134097P20	4023B
19A134097P21	4024B
19A134097P23	4027B
19A134097P33	4040B
19A134097P37	4044B
19A134097P52	4016B
19A134097P55	4071B
19A134097P62	4093B
19A134097P208	4516B
19A134097P341	4049
19A134104-P1	339
19A134164-P1	363
19A134164P2	363
19A134164-P2	363
19A134165P1	159
19A134171-P1	366
19A134171P2	480§
19A134171-P2	480§
19A134239	366
19A134239P1	480§
19A134239P2	480§
19A134239P3	366
19A134242-P1	367
19A134242P1	368
19A134243-1	367
19A134243-P1	367
19A134432P1	482
19A134433P1	485
19A134437P1	352
19A134447P1	316
19A134489P2	339
19A134749P1	159
19A134959P1	123AP
19A134960P1	159
19A700020P1	159
19A700022P1	159
19A700023P1	123AP
19A700025P6	5010A
19A700028P1	552
19A700044P1	708
19A700047P3	552
19A700054P1	331
19A700075P1	454§
19A700082P1	5812
19A700086P2	778A
19A700086P4	4558B
19A701789P1	987
19A701999P1	956
19A702015P1	552
19A702084P1	123AP
19A1164451	708
19Ai15527-1	175
19AR2	116
19AR3	109
19AR4	114
19AR4-1	114
19AR5	116
19AR6-1	103A
19AR6-2	103A
19AR6-3	103A
19AR7-1	102A
19AR7-2	102A
19AR8	110MP
19AR11	116
19AR12	116
19AR13-1	160
19AR13-2	160
19AR13-3	160
19AR13-4	160
19AR14-1	102A
19AR14-2	102A
19AR16-1	102A
19AR16-2	102A
19AR17	116
19AR18	160
19AR19-1	102A
19AR19-2	102A
19AR20	123A
19AR21	106(4)
19AR22	110MP
19AR24	160
19AR25	102A
19AR26	102A
19AR27	102A
19AR29	113A
19AR29-1	113A
19AR30	118
19AR31	121
19AR32	102A
19AR34	116
19AR35	124
19AR36	123A
19B200011-P1	5874
19B200011-P2	5874
19B200011-P3	5874
19B200011-P4	5874
19B200011-P5	116
19B200054-P1	102A
19B200061-P1	102A
19B200061-P2	102A
19B200061-P3	102A
19B200061-P4	102A
19B200063-P1	102A
19B200065-P1	101
19B200065-P2	101
19B200210-P1	102A
19B200210-P2	102A
19B200210-P3	102A
19B200248-P1	5455
19B200248-P2	5455
19B200248-P3	5455
19B200249-P1	177
19B200249-P2	177
19B200379-P1	139A
19B2000129-P1	100
19B2000130-P1	160
19B2000130-P2	160
19B2000132-P1	102A
19B2000132-P2	102A
19B2000132-P3	102A
19B2000132-P4	102A
19-C	119
19C300073-P1	102
19C300073-P2	102
19C300073-P3	102
19C300073-P4	102
19C300073-P5	102
19C300073-P6	102
19C300074-P2	102
19C300076-P1	116
19C300076-P2	116
19C300076-P3	116
19C300076-P4	116
19C300076-P5	116
19C300076-P6	116
19C300113-P1	121
19C300114-P1	123A
19C300114P1	123A
19C300114P2	123A
19C300114-P2	123A
19C300114P3	123A
19C300115-1	128
19C300115-P1	128
19C300128-P1	102
19C300128-P2	102
19C300128-P3	102
19C300128-P4	102
19C300128-P5	102
19C300128-P6	102
19C300128-P7	102
19C300128-P8	102
19C300138-P4	102
19C300138-P8	102
19C300216-P1	160
19C300216-P2	160
19E15-1	9905
19E18-1	9904
19E19-2	9903
19J706032P1	960
19J706100P1	116
19J706100P2	116
19J706262P1	116
19L-4A82	102A
19P1	177
19P2	116
19Q820	519
19QC17	107
19QC19	234
19SZ-WZ-120	5021A
19Z6AF	5071A
19Z6F	5071A
20-00229-001	108
20-00444-001	108
20-0352	904
20-1	108
20-1(Zener)	5029A
20-3(Zener)	5029A
20-22-08	116
20-1111-002	130
20-1111-003	130
20-1680-143	116
20-1680-174	128
20-1680-175	109
20-1680-189	158
20-161002	177
20A0007	102A
20A0009	102A
20A0015	102A
20A0017	121
20A0041	121
20A0042	121
20A0053	123A
20A0054	116
20A0055	128
20A0059	189
20A0060	189
20A0073	123A
20A0074	121
20A0075	129
20A0076	128
20A1	5801
20A2	5802
20A3	5804
20A4	5804
20A5	5806
20A6	5806
20A6F	6010
20A8	5808
20A9M	109
20A10	5809
20A11	177
20A13	177
20A-70	109
20A70	109
20A79	109
20A-90	109
20A90	109
20A-90H	109
20A90HMP	110MP
20A90LF	109
20A-90M	109
20A90M	109
20A90MLF	110MP
20A90MP	110MP(6)
20A90P	110MP
20A90Z	110MP
20A130K	524V13
20A150K	524V15
20A250K	524V25
20A275K	524V27
20A300K	524V30
20A420K	524V42
20A480K	524V48
20A10849	123A
20AS	116
20B1M	703
20B2M	703
20B3AH	703

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
20B409	135A
20B410	135A
20BG2C11	6206
20BL2C41	6246#
20BS	116
20C	116
20C1	5801
20C1(IC)	1075A
20C2	5802
20C2(IC)	1075A
20C3	5804
20C4	5804
20C5	5806
20C6	5806
20C9	5808
20C10	5808
20C71	102A
20C72	102A
20C(IC)	1075A
20CL2C41	6246#
20CL2C41A	6246#
20CL2CZ41A	6240#
20CS04M	6090#
20CTQ030	6087
20CTQ035	6087
20CTQ040	6087
20CTQ045	6087
20D2	125
20D2L	125
20D4(Diode)	125
20D6	125
20D10	125
20DCS10	116(2)
20DCS10R	116(2)
20DG2C11	6206
20DK201	524V13
20DK241	524V15
20DK391	524V25
20DL2C41	6246#
20DL2C41A	6246#
20DL2CZ41A	6240#
20E1	125
20E2	125
20E4	125
20E6	125
20E8	125
20E10	125
20E10FA13	125
20E-54-5411	5695
20E1114	358
20F1	5834
20F5	5912
20F10	5916
20F20	5916
20F30	5920
20F40	5920
20F60	5924
20F80	5928
20F100	5932
20FL2C41A	6247#
20FL2CZ41A	6241#
20FQ020	6084
20FQ030	6084
20FQ035	6084
20FQ040	6084
20FQ045	6084
20FR5	5913
20FR10	5917
20FR20	5917
20FR30	5921
20FR40	5921
20FR50	5925
20FR60	5925
20FR80	5929
20FR100	5933
20GG2C11	6208
20H	116
20H3	5874
20H3P	5854
20H3PN	5855
20HA3	5994
20HR3N	5819
20HR3P	5818
20J2	5874
20J3P	5874
20JG2C11	6210
20JH3	6026
20-JLM	159
20K	116
20M	116
20M10	6022
20M20	6026
20M30	6034
20M40	6034
20M50	6040
20M60	6040
20M80	6042
20M100	6044
20MA10	6023
20MA20	6027
20MA30	6035
20MA40	6035
20MA60	6041
20MA80	6043
20MA100	6045
20MC	160
20N1	116
20N2	5874
20N3	5874
20P1S	5542
20P1SG	5542
20P2	5874
20P2S	5543
20P2SG	5543
20P3	5874
20P3S	5545
20P3SG	5545
20P4S	5545
20P4SG	5545
20P5S	5547
20P5SG	5547
20P6S	5547
20P6SG	5547
20P8SG	5548
20Q3	5897
20R2	5980
20R3	312
20S3	5990
20S4	5990
20S5	5834
20SI-TA7607AP	1545
20SI-TA7607-AP	1545
20TB1	5542
20TB2	5543
20TB3	5545
20TB4	5545
20TB5	5547
20TB6	5547
20V-HG	102A
20Y(Zener)	5029A
20Z6AF	138A
20Z6F	138A
21-0101	192§
21-1	123A
21-1AA(Magnavox)	6402§
21-1L	123A
21/3	114
21/3.92	114
21-28	121
21-32	126A
21-33	126A
21-34	102
21-35	124
21-36	102
21-37	102
21-606-0001	177
21-606-0001-00H	177
21-608-4148-006	519
21-609-3595-009	177
21-810	116
21-810-2	116
21A001-000	116(3)
21A002	113A
21A002-000	113A
21A004-000	506
21A005	120
21A005-000	102A
21A006-000	116
21A007-000	116
21A008-000	116
21A008-001	116
21A008-003	116
21A008-008	177
21A008-016	120
21A009	177
21A009-000	109
21A009-002	110MP
21A009-008	177
21A009-009	177
21A015-001	102A
21A015-002	155
21A015-003	131
21A015-004	108
21A015-005	103A
21A015-006	102A
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21A015-014	108
21A015-016	108
21A015-018	128
21A015-019	128
21A015-020	123A
21A015-021	155
21A015-022	131
21A015-025	159
21A015-026	128
21A015-027	123A
21A020-001	116
21A020-005	109
21A020-006	116
21A037-001	5021A
21A037-003	142A
21A037-006	5100A
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21A037-009	5079A
21A037-012	5016A
21A037-016	5096A
21A037-017	5076A
21A037-018	143A
21A037-020	5074A
21A037-021	5098A
21A038-000	102A
21A039-000	102A
21A040-000	102A
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21A040-003	108
21A040-004	108
21A040-005	102A
21A040-007	108
21A040-010	108
21A040-014	102A
21A040-015	5527
21A040-016	108
21A040-017	108
21A040-019	108
21A040-020	123A
21A040-021	102A
21A040-022	102A
21A040-023	107
21A040-024	107
21A040-025	107
21A040-031	126A
21A040-032	123A
21A040-033	123A
21A040-033A	123A
21A040-034	123A
21A040-035	176
21A040-036	158
21A040-037	123A
21A040-045	229
21A040-046	233
21A040-047	233
21A040-049	129
21A040-050	129
21A040-051	128
21A040-052	152
21A040-053	229
21A040-054	107
21A040-055	107
21A040-056	123A
21A040-057	102A
21A040-058	102A
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21A040-060	158
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24MW964	199
24MW965	199
24MW967	109
24MW973	158
24MW974	5809
24MW975	5809
24MW976	159
24MW977	152
24MW978	184
24MW988	123A
24MW989	312
24MW990	199
24MW991	126A
24MW992	123A
24MW994	131
24MW995	116
24MW996	1021
24MW997	1024
24MW998	139A
24MW1022	199
24MW1023	123A
24MW1024	123A
24MW1025	199
24MW1028	1003
24MW1029	109
24MW1030	109
24MW1031	159
24MW1038	108
24MW1040	158
24MW1043	109
24MW1049	159
24MW1051	109
24MW1057	107
24MW1058	107
24MW1059	123A
24MW1060	199
24MW1061	159
24MW1065	140A
24MW1066	116
24MW1067	109
24MW1068	123A
24MW1069	123A
24MW1071	116
24MW1081	107
24MW1082	108
24MW1083	102A
24MW1084	102A
24MW1089	123A
24MW1092	109
24MW1096	123A
24MW1106	107
24MW1107	5069A
24MW1108	116
24MW1109	177
24MW1110	1032
24MW1113	116
24MW1115	102A
24MW1116	103A + 102A(CP)
24MW1118	156
24MW1120	123A
24MW1122	222
24MW1123	116
24MW1124	113A
24MW1125	140A
24MW1141	123A
24MW1143	184
24MW1144	116
24MW1146	116
24MW1147	123A
24MW1152	192§
24MW1161	128
24MW1162	116
24MW 656	107
24R2	5990
24S10(PROM)	74S287
24SD-1SV70	616
24ST-MPS9410AJ	128
24ST-MPS9700G	123AP
24T-002	108
24T-009	199
24T-011-001	161
24T-011-003	107
24T011-008	108
24T-011-008	108
24T-011-011	159
24T011-012	161
24T-011-013	229
24T-013-003	161
24T-013-005	108
24T016	107
24T-016	107
24T-016-001	108
24T-016-005	108
24T-016-010	107
24T-016-013	108
24T-016-015	108
24T-016-016	108
24T021	161
24T-026-001	312
24T013003	107
24T013005	107
24T016001	107
24T016005	107
24TB1	5522
24TB2	5524
24TB3	5527
24TB4	5527
24TB5	5529
24TB6	5529
24TB7	5531
24TB8	5531
24Z6AF	5074A
24Z6F	5074A
25-000453	159
25-000456-1	234
25-000462	159
25-0016	743
25-0060-4	123A
25-001328	106
25-06D(Zener)	5013A
25-5	116
25-7	125(4)
25-37833-2	909D
25-100015	108
25A	108
25A1	108
25A-1-0959B(Stern)	5016A
25A-1-1(Stern)	151A
25A-1-4004(Stern)	116
25A-1-4148(Stern)	519
25A-1-5275A(Stern)	5054A
25A2	123A
25A-2-1(Stern)	287
25A-2-2(Stern)	263
25A-2-3(Stern)	5411
25A-2-3440(Stern)	396
25A-2-3584(Stern)	384
25A-2-3904(Stern)	123AP
25A-2-4403(Stern)	159
25A-2-5060(Stern)	5400
25A-2-5401(Stern)	288
25A-6-2(Stern)	5313
25A-70-1(Stern)	916
25A-71-22(Stern)	435P22
25A-74LS00(Stern)	74LS00
25A1262-005	108
25A1273-001	123A
25A1281-001	108
25A-74107N(Stern)	74107
25AC3S	5685
25AC3SL	5685
25AC3SR	5685
25AC5S	5687
25AC5SL	5687
25AC5SR	5687
25AC6S	5687
25AC6SL	5687
25AC6SR	5687
25AM624	108
25B	108
25B-1	108
25B1	108
25B1C	730
25B1T	730
25B2	229
25B2C	730
25B2T	730
25B378	102A
25C05	5980
25C05R	5981
25C10	5982
25C10R	5983
25C15	5986
25C15R	5987
25C20	5986
25C30	5988
25C30R	5991
25C70R	5999
25C80	5998
25C80R	5999
25C90	6002
25C90R	6003
25C100	6002
25C100R	6003
25C206	108
25C960	400/128
25C960A	400/128
25CC13	5986
25CD13	5987
25CPF10	6246
25CPF20	6246
25CPF30	6247
25CPF40	6247
25CS58LGBM	123A
25CTQ030	6085
25CTQ035	6085
25CTQ040	6085
25CTQ045	6087
25D10	125
25F1431	3200
25F1465	3201
25F1466	3202
25F-B1F	167
25FC13	5990
25FD13	5991
25G5	6020
25G5R	6021
25G10	6022
25G10R	6023
25G20	6026
25G20R	6027
25G40	6034
25G40R	6035
25G60	6040
25G80	6042
25G100	6044
25GC12	6034
25H2	123A
25H5	6050
25H5A	6050
25H10	6050
25H10A	6050
25H15	6054
25H15A	6054
25H20A	6054
25H25	6060
25H25A	6060
25H30	6060
25H30A	6060
25H40	6060
25H40A	6060
25H50	6064
25H50A	6064
25H60	6064
25H60A	6064
25H70	6068
25H70A	6068
25H80	6068
25H80A	6068
25H90	6072
25H90A	6072
25H100	6072
25H100A	6072
25HB5	6020
25HB10	6022
25HB15	6026
25HB20	6026
25HB25	6034
25HB30	6034
25HB35	6034
25HB40	6034
25HB50	6040
25HB60	6040
25HBR5	6021
25HBR15	6027
25HBR20	6027
25HBR25	6035
25HBR30	6035
25HBR35	6035
25HBR40	6035
25HBR50	6041
25HBR60	6041
25J2	177
25JC12	6040
25K10	125
25LC12	6042
25LF11	5999
25-MEF	159
25MQ20	6094
25MQ25	6094
25MQ30	6094
25N15	145A
25N27	146A
25NC12	6044
25NF11	6003
25PCRA	5517
25PCRB	5517
25PCRC	5517
25PCRD	5517
25PCRE	5517
25PCRF	5518
25PCRG	5518
25PCRH	5518
25PCRI	5519
25PCRJ	5519
25PCRSA	5521
25PCRSB	5521
25PCRSC	5522
25PCRSD	5524
25PCRSE	5524
25PCRSF	5527
25PCRSG	5527
25PCRSH	5527
25PCRSI	5529
25PCRSJ	5529
25PCRSK	5531
25PCSRL	5531
25R	108
25SD-1N50-TMS	110A
25SD-1N60-TMS	110A
25T-002	107
25T1	102
25TB1	5542
25TB2	5543
25TB3	5545
25TB4	5545
25TB5	5547
25TB6	5547
25TCRA	5541
25TCRB	5521
25TCRC	5522
25TCRD	5543
25TCRE	5524
25TCRF	5545
25TCRG	5527
25TCRH	3527
25TCRI	5529
25TCRJ	5547
25TCRK	5531
25TCRL	5531
25Z6	142A
25Z6A	142A
25Z6AF	142A
25Z6F	142A
26-16162-1	358
26-16162-2	358
26-16162-3	358
26-3017158-1	649
26-4701508	125
26D00505	116
26J2	177
26M1927	5655
26MB01B	5322
26MB02B	5322
26MB04B	5324
26MB05A	5322
26MB06B	5326
26MB08B	5327
26MB10A	5322
26MB10B	5328
26MB20A	5322
26MB40A	5324
26MB60A	5326
26MB80A	5327
26MB100A	5328
26MW613	102A
26OP17703	199
26P031402	297
26P33108	164
26R2	5994
26R2S	5994
26ST-2SC383TM	85
26ST-JE9014C(EBC)	199
26T1	102
26TB1	5522
26TB2	5524
26TB3	5527
26TB4	5527
26TB5	5529
26TB6	5529
26TB7	5531
26TB8	5531
26Z6AF	143A
26Z6F	143A
27-226	113A
27(Zenith)	5009A
27A10446-101-11	9099
27A10489-101-11	199
27A10533	159
27B1(1W-Zener)	146A
27C1(IC)	1124
27-C226	113A
27C(IC)	1124
27D127	198
27J2	177
27P1	109
27S3	74S474
27S12	74S570
27S13	74S571
27S18	74S188
27S19	74S288
27S20	74S387
27S21	74S287
27S28	74S473
27S29	74S472
27S30	74S475
27S32	74S572
27S33	74S573
27S180	74S479
27S181	74S478
27S185	74S454
27S-200-81	177
27S-200-82	5018A
27S-200-84	1248◆
27S-200-85	1170
27S-200-86	1194§
27S-200-87	85
27S-200-88	289A
27S-200-89	85
27ST-2SA673C	290A
27ST-2SD871	89
27ST-LM2682	123AP
27T401	100
27T402	100
27T403	102
27T404	102
27T405	102
27T406	121
27T407	105
27T408	101
27T409	123
27T410	103
27T411	123
27T412	126A
27X(Zener)	5033A
27Y(ZENER)	5033A
27Z1(MOV)	1V017
27Z2(MOV)	2V017
27Z6	144A
27Z6A	144A
27Z6AF	144A
27Z6F	144A
28-000044-01	558
28-000046-02	5313
28-6-01	116
28-7-01	116
28-13-01	116
28-14-01	116
28-15-01	116
28-15-02	116
28-18-01	116(4)
28-19-01	116
28-20-01	116
28-20-02	116
28-21-01	116
28-22-01	116
28-22-02	116
28-22-03	116
28-22-04	116
28-22-05	116
28-22-06	116
28-22-07	116
28-22-10	116
28-22-11	156
28-22-12	116
28-22-13	506
28-22-14	116
28-22-15	116
28-22-16	156
28-22-17	116
28-22-18	156
28-22-19	119
28-22-20	156
28-22-21	116
28-22-22	506
28-23-01	118
28-24-01	119
28-25-01	116
28-26-01	120
28-29-01	116
28-31-00	513§
28-31-01	505
28-32-0X	500A
28-33-01	538
28-33-02	538
28-35-01	522
28-65-01	116
28-819-172	107
28-254566-1	116
28 22 15	116
28 22 21	116
28 31 02	513§
28CPQ030	6090#
28CPQ040	6090#
28F1803	201
28F2585	3202
28F2586	3201
28J2	116
28P1	109
28R2	5998
28R25	5998
28S-200-91	612
28S-200-92	177
28S-200-93	5018A
28S-200-95	1248◆
28S-200-96	1170
28S-200-97	1278
28S-200-98	451
28S-200-99	107
28S-200-100	85
28S-200-101	289A
28S-200-102	85
28S-910-101	611
28S-910-102	109
28S-910-103	5018A
28S-910-105	1226
28S-910-106	1087
28S-910-107	1155
28S-910-108	221
28S-910-109	107
28S-910-110	85
28S-910-111	289A
28S-910-112	85
28S-910-113	293
28ST-2SC1213C	289A
28ST-2SC2230AY	399
28ST-2SD467C	85
28ST-MPS9633C	123AP
28Z6	145A
28Z6A	145A
28Z6AF	145A
28Z6F	145A
29-505	109
29A4	129
29B1	790
29B1B	790
29B1Z	790
29B17	790
29C2	1089*
29C2(IC)	1089*
29C-2(IC)	1089*
29C3(IC)	1089*
29C(IC)	1089*
29CZ	1089
29-HCL	159
29P1	134A
29S	138A
29ST-3SK80	455
29SZ-RD11EB2	5020A
29V008M01	100
29V0038H03	102
29V011H01	100
29V012H01	100
29V069C02	163A
29V12H01	102A
30-004-001	179
30-007-0	234
30-005072	390
30-030-0	297
30-090	184
30-1,001	107
30-1,002	123A
30-1,003	123A
30-1,004	229
30-1,007	152
30-1,008	1003
30-1,010	519
30-1,011	109
30-1,012	112
30-1,013	506
30-1,015	107
30-1,016	199
30-1,017	1140
30-1,018	7400
30-1,019	7473
30-1,021	5071A
30-1,022	109
30-1,023	312
30-1,025	229
30-103-406	5305
30-104-100	5305
30-112-000	160
30-8057-13	178MP
30-30718-07	294
30-3015419-2	3021
30-3017187-1	3022
30A6F	6010
30AS	116
30B2	5035A
30B3(Zener)	5035A
30B5	116
30B(ZENER)	5035A
30BG11	6006
30BS	116
30C	116
30C20-33	181
30C(IC)	1049
30CB	116
30CTQ030	6087
30CTQ035	6087
30CTQ040	6087

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
30CTQ045	6087
30D1	125
30D2	125
30D4	125
30-D30-1	293
30DF	580
30DF1	580
30DF2	580
30DF2-FC	580
30DF2-FIN	580
30DF4	580
30DF6	580
30DF6-FC	580
30DG11	6006
30DL1	580
30DL2	580
30DL4	580
30F1	5838
30FG11	6008
30FH05	6006
30FH05S	6007
30FH1	6006
30FH1S	6007
30FH2	6006
30FH2S	6007
30FH3	6008
30FH3S	6009
30FH4	6008
30FH4S	6009
30FQ030	6084◆
30FQ035	6084◆
30FQ040	6084◆
30FQ045	6084◆
30FWJ2C12	6090◆
30FWJ2C42	6090#
30FWJ2CZ47	6087#
30GG11	6008
30GWJ2C12	6090◆
30GWJ2C42	6090#
30GWJ2CZ47	6087#
30H	116
30H3	5874
30H3P	5858
30H3PN	5859
30HB50	5340
30HB100	5340
30HB200	5340
30HB400	5342
30HB600	5342
30HB800	5344
30HR3N	5821
30HR3P	5820
30J2	5874
30J3P	5878
30JG11	6010
30JH3	6060
30K	116
30KF10B	6246#
30KF20B	6246#
30KF30B	6247#
30KF40B	6247#
30M	116
30MF5	6006
30MF10	6006
30MF15	6006
30MF20	6006
30MF30	6008‡
30MF40	6008‡
30N2	5874
30N3	5874
30P1	109
30P2	5874
30P3	5874
30Q3	5948
30R1	5801
30R3	5804
30R6	5806
30R8	156
30R10	156
30R25	6002
30RECT-S1-1044(AU)	116
30RECT-SI-1020	552
30RH05S	6006
30RH1S	6006
30RH2S	6006
30RH3S	6008
30RH4S	6008
30S05	5800
30S1	5801
30S2	5806
30S3	5804
30S4	5804
30S5	5806
30S6	5806
30S8	5808
30S10	5809
30SB02S	6094
30SB02SA	6094
30SB03S	6094
30SB03SA	6094
30SB04S	6094
30SB04SA	6094
30SB025S	6094
30SB025SA	6094
30ST-2SC2611	157
30SZ-HZ5C1	5010T1
30V-H6	102A
30V-HG	102A
30Y(ZENER)	5035A
31-0001	160
31-0002	160
31-0003	160
31-0004	160
31-0005	126A
31-0006	102A
31-0007	123A
31-0008	102A
31-0009	123A
31-002-0	85
31-0010	175
31-0012	199
31-0013	199
31-0015	160
31-0016	160
31-0017	158
31-0018	102A
31-0025	102A
31-0026	102A
31-0033	102A
31-0035	158
31-0039	109
31-0041	126A
31-0042	126A
31-0048	107
31-0049	107
31-0050	107
31-0051	108
31-0052	199
31-0053	102A
31-0054	107
31-0055	193
31-0065	126A
31-0066	186
31-0068	123A
31-0069	123A
31-0070	102A
31-0075	158
31-0080	123A
31-0081	123A
31-0082	123A
31-0083	128
31-0084	123A
31-0085	123A
31-0097	108
31-0098	107
31-0099	199
31-011	177
31-020	HiDiv-1
31-021	HiDiv-2
31-025	102
31-025-0	85
31-027-0	199
31-027-1	85
31-058	123A
31-061-0	375
31-069-0	235
31-073-0	373
31-091-3	236
31-093	177
31-097-0	295
31-098-0	236
31-0100	199
31-0101	192§
31-0102	193
31-0103	108
31-0104	123A
31-0105	158
31-0106	123A
31-0107	102A
31-0108	390
31-0115	123A
31-0116	123A
31-0123	126A
31-0124	126A
31-0132	126A
31-0134	126A
31-0135	126A
31-0139	126A
31-0141	160
31-0148	102A
31-0150	160
31-0153	102A
31-0161	160
31-0163	160
31-0165	160
31-0166	160
31-0168	160
31-0170	160
31-0171	160
31-0172	102A
31-0175	127
31-0177	123A
31-0178	126A
31-0180	160
31-0181	160
31-0182	158
31-0183	158
31-0184	126A
31-0187	123
31-0188	102A
31-0189	102A
31-0190	126A
31-0191	126A
31-0192	121
31-0196	121
31-0205	102A
31-0206	107
31-0217	126A
31-0228	126A
31-0229	158
31-0230	123A
31-0239	123A
31-0240	121
31-0241	160
31-0241-1	160
31-0242	108
31-0243	108
31-0246	123A
31-0247	102
31-0253	100
31-1	123A
31-1N914	177
31-1N4001	116
31-16	123A
31-116-0	289A
31-194	125
31-195	116
31-1012	941M
31-2104733	160
31-21004900	160
31-21007744	160
31-21024033	160
31-21024044	160
31-21047111	160
31-21050611	160
31-21050622	160
31-22005400	102A
31-A14F	125
31A(IC)	1048
31C	1048
31C1(IC)	1048
31C(IC)	1048
31DF1	588
31DF2	588
31DF3	576
31DF4	576
31DQ03	586
31DQ04	586
31DQ05	579
31DQ06	579
31DQ09	579
31-MR750	5812
31R2	5986
31SI-UPC1360C	1520
31ST-2SA733Q	290A
31ST-2SA733R	290A
31ST-2SC1923-O	107
31Z6	5005A
31Z6A	5005A
32-0000	109
32-0001	109
32-0002	109
32-0003	109
32-0004	109
32-0005	139A
32-0007	110MP
32-0008	109
32-005-0	123AP
32-006-0	253
32-0013	109
32-0022	177
32-0023	109
32-0025	5072A
32-0026	116
32-0029	109
32-0036	109
32-0037	116
32-0038	116
32-0039	110MP
32-0042	116
32-0045	116
32-0046	116
32-0047	116
32-0048	5809
32-0049	140A
32-0050	116
32-0057	177
32-0059	116
32-0060	116
32-0060-00-03	341
32-0061	116
32-0062	113A
32-0063	177
32-016-0	123AP
32-1N4764A	5096A
32-12066-10	160
32-13843-2	123A
32-16591	104MP
32-16599	121MP
32-18537	109
32-18539	110MP
32-20738	123A
32-20739	159
32-23555-1	704
32-23555-2	704
32-23555-3	704
32-23555-4	704
32-29778-1	500A
32-29778-2	500A
32-29778-3	500A
32-29778-4	500A
32-33057-1	500A
32-33057-2	522
32-33057-3	500A
32-33057-4	500A
32-33057-5	500A
32-33057-6	500A
32-33094-1	522
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36ST-2SB857C	55
36T1	102
36Z6	135A
36Z6A	135A
37-8-01	358
37-8-1	358
37-8T26	6880
37-8T28	6889
37-74H04(Atari)	74H04
37-74LS00(Atari)	74LS00
37-74LS02(Atari)	74LS02
37-74LS04(Atari)	74LS04
37-74LS08(Atari)	74LS08
37-74LS10(Atari)	74LS10
37-74LS11(Atari)	74LS11
37-74LS14(Atari)	74LS14
37-74LS20(Atari)	74LS20
37-74LS27(Atari)	74LS27
37-74LS32(Atari)	74LS32
37-74LS42(Atari)	74LS42
37-74LS74(Atari)	74LS74A
37-74LS83(Atari)	74LS83A
37-74LS86(Atari)	74LS86
37-74LS90(Atari)	74LS90
37-74LS107(Atari)	74LS107
37-74LS109	74LS109A
37-74LS139(Atari)	74LS139
37-74LS153(Atari)	74LS153
37-74LS157(Atari)	74LS157
37-74LS161(Atari)	74LS161A
37-74LS163A(Atari)	74LS163A
37-74LS164(Atari)	74LS164
37-74LS170(Atari)	74LS170
37-74LS174(Atari)	74LS174
37-74LS175(Atari)	74LS175
37-74LS191(Atari)	74LS191
37-74LS193(Atari)	74LS193
37-74LS195(Atari)	74LS195A
37-74LS244(Atari)	74LS244
37-74LS245	74LS245
37-74LS251	74LS251
37-74LS253(Atari)	74LS253
37-74LS257(Atari)	74LS257
37-74LS259(Atari)	74LS259
37-74LS273(Atari)	74LS273
37-74LS367(Atari)	74LS367
37-74LS373	74LS373
37-74LS374(Atari)	74LS374
37-74LS393	74LS393
37-74LS670(Atari)	74LS670
37-74S00(Atari)	74S00
37-74S02(Atari)	74S02
37-74S04(Atari)	74S04
37-74S08(Atari)	74S08
37-74S74(Atari)	74S74
37-74S157(Atari)	74S157
37-78L05(Atari)	977
37-193MP	199
37-210	5697
37-309K(Atari)	309K
37-347	859
37-555(Atari)	955M
37-556(Atari)	978
37-566(Atari)	994M
37-4011(Atari)	4011B
37-4016(Atari)	4016B
37-4066(Atari)	4066B
37-4514B(Atari)	4514B
37-7400(Atari)	7400
37-7402(Atari)	7402
37-7404(Atari)	7404
37-7406(Atari)	7406
37-7407(Atari)	7407
37-7408(Atari)	7408
37-7410(Atari)	7410
37-7411(Atari)	7411
37-7413(Atari)	7413
37-7414(Atari)	7414
37-7417(Atari)	7417
37-7420(Atari)	7420
37-7425(Atari)	7425
37-7427(Atari)	7427
37-7430(Atari)	7430
37-7432(Atari)	7432
37-7442(Atari)	7442
37-7448(Atari)	7448
37-7450(Atari)	7450
37-7474(Atari)	7474
37-7475(Atari)	7475
37-7483(Atari)	7483
37-7485(Atari)	7485
37-7486(Atari)	7486
37-7490(Atari)	7490
37-7492(Atari)	7492
37-7493(Atari)	7493A
37-7497(Atari)	7497
37-7805(Atari)	960
37-7812(Atari)	966
37-7815(Atari)	968
37-7905(Atari)	961
37-7912(Atari)	967
37-7915(Atari)	969
37-9314(Atari)	8314
37-9316(Atari)	74161
37-9321(Atari)	8321
37-9602(Atari)	9602
37-14011(Atari)	4011B
37-14514B(Atari)	4514B
37-14584B	40106B
37-19201	234
37-21401	199
37-74107	74107
37-74107(Atari)	74107
37-74109	74109
37-74109(Atari)	74109
37-74125	74125
37-74125(Atari)	74125
37-74151	74151
37-74151(Atari)	74151
37-74153	74153
37-74153(Atari)	74153
37-74154	74154
37-74154(Atari)	74154
37-74157	74157
37-74157(Atari)	74157
37-74160	74160
37-74160(Atari)	74160
37-74161	74161
37-74161(Atari)	74161
37-74163	74163
37-74163(Atari)	74163
37-74164(Atari)	74164
37-74165	74165
37-74165(Atari)	74165
37-74174	74174
37-74174(Atari)	74174
37-74175	74175
37-74175(Atari)	74175
37-74191	74191
37-74191(Atari)	74191
37-74192	74192
37-74192(Atari)	74192
37-74193	74193
37-74193(Atari)	74193
37A-700-95	801
37A-700-96	1052
37A-700-97	1155
37A-700-98	85
37A-700-99	289A
37A-700-100	85
37A-700-101	293
37C-200-81	177
37C-200-82	5018A
37C-200-84	1248◆
37C-200-85	1170
37C-200-86	1194§
37C-200-87	85
37C-200-88	289A
37C-200-89	85
37C-500-121	85
37C-500-122	289A
37C-500-123	85
37C-500-124	293
37C-500-125	1234
37C-500-126	801
37C-500-127	1052
37C-500-128	1155
37C-800-81	177
37C-800-82	5018A
37C-800-83	116
37C-800-85	1248◆
37C-800-86	1170
37C-800-87	1293§
37C-800-89	85
37C-800-90	289A
37C-800-91	85
37H01	5192A
37H02	5200A
37H03	5232A
37H04	5174AK
37H05	5175AK
37H06	5188A
37H07	5224A
37H08	5186A
37H09	5229A
37-LM305	1928
37-LM311	922
37-LM319	919D
37-LM323K	931
37-LM324	987
37-LM339	834
37-LM340T15	968
37-LM380N	740A
37-MC3340	829
37-MC14028	4028B
37-MC14050	4050B
37RA50	5577
37RA60	5577
37RA80	5579
37RA100	5579
37RA110	5579
37RA120	5579
37RC10	5575
37RC20	5575
37RC30	5577
37RC40	5577
37RC60	5577
37RC80	5579
37RC100	5579
37RC110	5579
37RC120	5579
37-RC4136	997
37REH60	5577
37REH80	5579
37REH100	5579
37REH120	5579
37SZ-BZ-120	142A
37SZ-RD10EB	5019A
37T1	126A
37-TDA2002A	1232
37-TLO82CP	858M
37Z6	136A
37Z6A	136A
38	116
38-99(Trans)	128P
38-8057-6	519
38-11016	502
38A64C	138A
38A4148-000	501B
38A4148-001	501B
38A5576-000	5314
38A5577-000	188
38A5578-000	189
38C-200-101	612
38C-200-102	5018A
38C-200-103	109
38C-200-104	116
38C-200-105	1234
38C-200-106	1226
38C-200-107	1194§
38C-200-108	1052
38C-200-109	451
38C-200-110	107
38C-200-111	85
38C-200-112	85
38C-200-113	293
38C-200-114	289A
38C-200-115	85
38P1	121
38P1C	121
38R2	5998
38R2S	5998
38ST-2SC1015-O(AP)	290A
38ST-2SC1855	229
38T1	102
38Z6	137A
38Z6A	137A
39-02	116
39-033-2	988
39-047-1	829
39-059-0	1214
39-060-0	1260§
39-060-1	1261§
39-061-0	1192
39-077-0	834
39-4400-951	1277
39(Sharp)	142A
39A9	102
39A69-2	177
39F3423	3200
39P1	121
39P1C	121
39R-26	146A
39SD-1N4148	519
39ST-2SD820	165
39ST-2SD898B	89
39SZ-RD12FB	142A
39T1	102
39Y(ZENER)	5007A
39Z1	1V025
39Z3(MOV)	2V025
39Z6	5014A
39Z6(MOV)	2V025
39Z6A	5014A
40-0068-2	128
40-031-0	746
40-035-0	4011B
40-065-19-001	9961
40-065-19-002	9963
40-065-19-003	9949
40-065-19-004	9937
40-065-19-005	9944
40-065-19-006	9932
40-065-19-007	9948
40-065-19-008	9933
40-065-19-012	74H40
40-065-19-013	9946
40-065-19-014	9097
40-065-19-016	7440
40-065-19-027	7475
40-065-19-029	7486
40-065-19-030	7495
40-0502	5809
40-09297	519
40-09437	234
40-09952	234
40-601	102
40-693-053	565
40-8700-124K	2417
40-8700-124S	2358
40-8700-144K	2419
40-8700-144S	2360
40-8800-124K	2416
40-8800-124S	2357
40-8800-144K	2418
40-8800-144S	2359
40-8801-395	2334
40-8801-491	2338
40-8802-570	10
40-8804-353	2306
40-8900-005	256
40-8900-012	2310
40-8900-023	2319
40-8900-048	2311
40-8900-508	2318
40-8900-806	2315
40-8900-829	2314
40-8900-908	2352
40-8900-922	2316
40-8900-932	2317
40-8901-065	2304
40-8901-090	2307
40-8901-092	2330
40-8901-223	2351
40-8901-229	214
40-8901-230	215
40-8901-302	2329
40-8901-309	2326
40-8901-321	2340
40-8901-327	2336
40-8901-398	2302
40-8903-042	2308
40-8903-150	2325
40-8903-153	2309
40-8903-281	2328
40-8903-293	2332
40-8904-343	2305
40-9000-293	1749
40-9000-295	1750
40-9000-296	1681
40-9001-180	1784
40-9004-270	1798
40-9006-321	5424
40-9007-016	1781
40-9007-220	1799
40-9007-530	1827
40-9007-621	1771
40-9007-811	1772
40-9007-830	1773
40-9007-831	1797
40-9100-012	6085
40-9100-016	6244
40-9100-234	590
40-9101-620	6240
40-9102-545	6087
40-9103-020	6246
40-9103-045	6090
40-9103-759	1729
40-9104-060	1753
40-9205-521	1782
40-9205-836	1780
40-9300-061	887M
40-9300-062	889M
40-9301-406	1792
40-11253	234
40-86513-3	123A
40-102430	124
40A50	5980
40A100	5982
40A150	5986
40A200	5986
40A300	5988
40A400	5990
40A500	5992
40A600	5994
40AS	116
40B5	116
40BS	116
40C	116
40C025	5567
40C025B	5567
40C050	5567
40C050B	5567
40C2PW8V1SP	106
40C10	5567
40C10B	5567
40C15	5567
40C15B	5567
40C20	5567
40C20B	5567
40C25	5568
40C25B	5568
40C30	5568
40C30B	5568
40C35	5568
40C35B	5568
40C40	5568
40C40B	5568
40C45	5568
40C45B	5568
40C50	5568
40C50B	5568
40C60	5568
40C60B	5568
40C70	5569
40C70B	5569
40C80	5569
40C80B	5569
40C90	5569
40C90B	5569
40C100	5569
40C100B	5569
40C110	5569
40C110B	5569
40C120	5569
40C120B	5569
40CO25	5567
40CO25B	5567
40CO50	5567
40CO50B	5567
40D1	5812◆
40D2	5814◆
40D4	5814◆
40D6	5817◆
40D8	5817◆
40D1547	160
40D6665A03	116
40H	116
40H3	5874
40H3P	5858
40H3PN	5859
40HF5	5980
40HF10	5982
40HF15	5986
40HF20	5986
40HF30	5988
40HF40	5990
40HF50	5992
40HF60	5994
40HF70	5998
40HF80	5998
40HF90	6002
40HF100	6002
40HFL5	6006
40HFL5S	6006
40HFL5S02	6006
40HFL5S05	6006
40HFL10	6006
40HFL10S	6006
40HFL10S02	6006
40HFL10S05	6006
40HFL20	6006
40HFL20S	6006
40HFL20S02	6006
40HFL20S05	6006
40HFL30	6008
40HFL30S	6008
40HFL30S02	6008
40HFL30S05	6008
40HFL40	6008
40HFL40S	6008
40HFL40S02	6008
40HFL40S05	6008
40HFL60	6010
40HFL60S	6010
40HFL60S02	6010
40HFL60S05	6010
40HFLR5	6007
40HFLR5S	6007
40HFLR5S02	6007
40HFLR5S05	6007
40HFLR10	6007
40HFLR10S	6007
40HFLR10S02	6007
40HFLR10S05	6007
40HFLR20	6007
40HFLR20S	6007
40HFLR20S02	6007
40HFLR20S05	6007
40HFLR30	6009
40HFLR30S	6009
40HFLR30S02	6009
40HFLR30S05	6009
40HFLR40	6009
40HFLR40S	6009
40HFLR40S02	6009
40HFLR40S05	6009
40HFLR60	6011
40HFLR60S	6011
40HFLR60S02	6011
40HFLR60S05	6011
40HFR5	5981
40HFR10	5983
40HFR15	5987
40HFR20	5987
40HFR30	5989
40HFR40	5991
40HFR50	5993
40HFR60	5995
40HFR70	5999
40HFR80	5999
40HFR90	6003
40HFR100	6003
40HR3N	5821
40HR3P	5820
40J2	116
40J3P	5878
40JH3	6060
40JH3R	6061
40JZ	116
40K	116
40KR	116
40M	116
40M4.3ASZ5	5241A
40MQ20	6094
40MQ25	6094
40MQ30	6094
40MQ40	6094
40N1	116
40NJ	116
40P1	102
40P2	102
40P2(Power)	5874
40P3	5874
40Q3	5920
40Q4	5900
40R2S	6002
40R3	5990
40RCS5	5567
40RCS10	5567
40RCS20	5567
40RCS30	5568
40RCS40	5568
40RCS50	5568
40RCS60	5568
40RCS70	5569
40RCS80	5569
40RCS90	5569
40RCS100	5569
40RCS110	5569
40RCS120	5569
40RECT-S1-1002(AU)	552
40S3	5990
40S5	5838
40SB02S	6094
40SB02SA	6094
40SB03S	6094
40SB03SA	6094
40SB04S	6094
40SB04SA	6094
40SI-MC1364P	783§
40ST-2SC2371L	157
40Y3P	116
41-001	120
41-032	116(4)
41-0318	130
41-0318A	130
41-0499	123A
41-0500	129
41-0500A	129
41-0606	198
41-0609	198
41-0905	142A
41-0906	5066A
41-0909	175
41B581014	128
41B581144-P001	175
41C-402	1095
41C-407	1003
41C-409	1110§
41C(IC)	1093
41-J2	116
41N	161
41N1	108
41N2	108
41N2A	108
41N2AA	108
41N2B	108
41N2M	161
41N3	108
41SI-HA1128	712
41SI-LM3065N	712
41Z6	5016A
41Z6A	5016A
42-051	125
42-1	1112
42-2	1111§
42-7270-00	1830
42-7271-01	1831
42-9029-31B	199
42-9029-31L	199
42-9029-31M	123A
42-9029-31P	199
42-9029-31Q	199
42-9029-31R	123A
42-9029-31V	123A
42-9029-40C	123A
42-9029-40F	234
42-9029-40L	123A
42-9029-40T	128
42-9029-40U	129
42-9029-40W	234
42-9029-40X	159
42-9029-40Y	123A
42-9029-60A	123A
42-9029-60B	234
42-9029-60C	123A
42-9029-60D	199
42-9029-60Q	159
42-9029-60W	129
42-9029-70C	123A
42-9029-70D	159
42-9029-70E	159
42-9029-70F	123A
42-9029-70G	129
42-9029-70J	128
42-9029-70K	128
42-9029-70P	123A
42-9029-70Q	234
42-14027	116
42-16599	121
42-17143	102
42-17443	116
42-17443A	116
42-17444	123
42-18109	176
42-18111	123
42-18310	124
42-19642	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
42-19643	129
42-19644	123
42-19645	125
42-19670	123
42-19671	102A
42-19681	110MP
42-19682	160
42-19683	108
42-19792	160
42-19840	123A
42-19862	103A
42-19862A	158
42-19863	102A
42-19863A	102A
42-19864	102A
42-19864A	102A
42-19865	116
42-19917	143A
42-20222	102A
42-20738	123
42-20739	129
42-20960	175
42-20961	130
42-20961A	130
42-21232	129
42-21233	128
42-21234	123A
42-21362	110MP
42-21400	116
42-21401	161
42-21402	161
42-21403	126A
42-21404	103A
42-21405	158
42-21406	102A
42-21407	123
42-21408	116
42-21443	121MP
42-21866	116
42-22008	159
42-22008A	159
42-22009	172A
42-22158	123A
42-22532	107
42-22533	123A
42-22534	102A
42-22535	158
42-22537	109
42-22538	177
42-22539(Diode)	109
42-22539(Transistor)	106
42-22540	119
42-22755	109
42-22778	160
42-22779	160
42-22780	160
42-22781	160
42-22784	160
42-22785	108
42-22786	123A
42-22787	123A
42-22809	123A
42-22810	159
42-22810A	159
42-22811	123A
42-22812	123A
42-22834	121MP
42-22835	116
42-22847	123A
42-23348	123A
42-23349	123A
42-23350	116
42-23350A	116
42-23459	152
42-23541	159
42-23541A	159
42-23542	123A
42-23622	102A
42-23960	107
42-23960P	107
42-23961	107
42-23961P	107
42-23962	107
42-23962P	107
42-23963	107
42-23963P	107
42-23964	123A
42-23964P	123A
42-23965	126A
42-23965P	160
42-23966	123A
42-23966P	123A
42-23967	158
42-23967P	158
42-23968	121
42-23968P	121
42-23969	109
42-23972	110MP
42-23975	116
42-23977	5809
42-24263	172A
42-24387	177
42-27202	910
42-27277	199
42-27278	116
42-27529	229
42-27530	229
42-27531	229
42-27532	229
42-27534	199
42-27535	199
42-27536	159
42-27537	289A
42-27538	153
42-27539	152
42-27541	142A
42-27542	601
42-27543	109
42-28056	123A
42-28057	158
42-28058	116
42-28199	109
42-28201	177
42-28202	116
42-28203	108
42-28204	108
42-28205	123A
42-28206	108
42-28207	123A
42-28208	159
42-28210	123A
42-28211	159
42-28212	184
42-28213	185
42-30092	199
42-84933E03	216
42A11	116
42A14	109
42A23	116
42B2	116
42B16	116
42J2	116
42R2	5874
42ST-2SC930E	107
42ST-2SD666C	382
42X25	116
42X32	116
42X210	103
42X230	102A
42X233	102
42X244	116
42X244B	116
42X245	116
42X245B	116
42X309	102
42X310	103
42X311	102
42Z6	139A
42-Z6A	139A
43-022861	108
43-023190	181
43-023212	123A
43-023221	123A
43-023222	129
43-023223	128
43-023843	130
43-023844	128
43-025763	108
43-025764	108
43-025765	108
43-025766	123A
43-025767	108
43-025834	131
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46-861365-3	2355
46-861367-3	5629
46-861377-3	261#
46-861378-3	91
46-861379-3	2358
46-861380-3	5026A
46-861381-1	5021A
46-861381-3	5021T1
46-861382-3	5036A
46-861394-3	3104
46-861396-3	5074A
46-861397-3	5004A
46-861407-3	289A
46-861410-3	125
46-861413-3	2302
46-861422-3	2302
46-861439-3	2361
46-861446-3	399
46-861453-3	2331
46-861458-3	5010A
46-861459-3	5073A
46-861461-3	3035A
46-861462-3	3035A
46-861463-3	31
46-861464-3	2300#
46-861465-3	153
46-861466-3	5022A
46-861467-3	552
46-861475-3	2331
46-861490-3	32
46-861500-3	5009A
46-861504-3	5029A
46-861508-3	5007A
46-861511-3	377#
46-861538-3	5605
46-861545-3	10
46-861547-3	5020A
46-861551-3	5006A
46-861555-3	5015A
46-861560-3	595
46-861605-3	374
46-861606-1	373◆
46-861606-3	373
46-861627-3	2331
46-861634-3	552
46-861645-3	590
46-861646-3	5309◆
46-861647-3	2360
46-861648-3	2358
46-861649-3	2361
46-861652-3	2359
46-861654-3	519
46-861680-3	2501
46-861684-3	382
46-861712-3	399
46-861717-3	577
46-861718-3	580
46-861720-3	5006A
46-861737-3	116
46-861738-3	5405
46-861739-3	1841
46-861857-3	152#
46-861861-3	5093A
46-861864-3	586
46-861868-3	5018A
46-861870-3	5023A
46-861907-3	2370
46-861912-3	584
46-861913-3	5009A
46-861924-3	5014A
46-861944-3	382
46-861954-3	2367
46-861955-3	2368
46-862045-3	5015A
46-862081-3	2362
46-862092-3	2311#
46-862097-3	2331
46-862100-3	2302
46-862112-3	580
46-862121-3	153#
46-862152-3	588
46-862153-3	558
46-862157-3	3166
46-862168-3	552
46-862170-3	2331
46-862177-3	3122
46-862289-3	123AP
46-862290-3	376
46-862291-3	376
46-862295-3	2302◆
46-862301-3	552
46-862318-3	5008A
46-862321-3	5330
46-862322-3	580
46-862323-3	580
46-862328-3	2501
46-862329-3	217
46-862336-3	399
46-862350-3	5009A
46-862360-3	2337
46-862363-3	2505
46-862392-3	2337
46-862401-3	2337
46-862409-3	125
46-862410-3	5013A
46-862411-3	2311#
46-862413-3	2308
46-862446-3	11
46-862456-3	5021T1
46-862516-3	3166
46-862522-3	2308
46-862528-3	585◆
46-862529-3	374#
46-862530-3	373#
46-862532-3	6240#
46-862557-3	5047A
46-862559-3	5424
46-862582-3	2302
46-862595-3	2308◆
46-862611-3	145A
46-862612-3	5021A
46-862613-3	5010A
46-862614-3	5011A
46-862615-3	5014A
46-862616-3	5010A
46-862633-3	5332
46-862639-3	5016A
46-862642-3	5021A
46-862651-3	5014A
46-862652-3	5015A
46-862653-3	5007A
46-862796-3	5035A
46-862857-3	5031A
46-862858-3	2324#
46-862994-3	580
46-866678-3	5036A
46-8611232-3	5012A
46AR1	116
46AR2	116
46AR3	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
46AR4	116
46AR5	116
46AR6	116
46AR7	116
46AR8	116
46AR9	116
46AR10	116
46AR11	116
46AR12	116
46AR13	125
46AR15	125
46AR16	125
46AR18	125
46AR21	116
46AR27	116
46AR28	116
46AR29	116
46AR35	116
46AR50	125
46AR52	125
46AR59	125
46AX1	116
46AX2	116
46AX3	116
46AX4	116
46AX5	116
46AX7	116
46AX8	116
46AX9	116
46AX10	116
46AX11	116
46AX12	125
46AX13	125
46AX14	125
46AX16	116
46AX17	116
46AX19	116
46AX21	116
46AX30	116
46AX34	116
46AX52	116
46AX54	116
46AX55	125
46AX56	125
46AX59	125
46AX70	125
46AX82	125
46AX84	125
46AX85	125
46B-3A5	121MP
46BD1	116
46BD2	116
46BD5	116
46BD8	116
46BD9	116
46BD11	116
46BD12	116
46BD14	116
46BD19	116
46BD25	116
46BD27	125
46BD30	125
46BD32	125
46BD33	125
46BD34	125
46BD38	125
46BD39	125
46BD52	125
46BD101	125
46BR5	116
46BR7	116
46BR9	116
46BR10	116
46BR11	116
46BR15	116
46BR17	116
46BR18	125
46BR21	125
46BR27	125
46BR62	125
46BR63	125
46BR64	125
46BR68	125
46BX2	116
46BX3	116
46C(IC)	1077
46R2	5882
46R2R	5863
46R2S	5862
46SI-SAF1039P	1760
46ST-MPS9700F	123AP
47-2	112
47-2(Bradford)	108
47-4	112
47-96	229
47-3011(Exidy)	219
47-3041(Exidy)	130
47-86569-3	5463
47-155039	109
47A287-10	152
47B(Zener)	5088A
47C(IC)	1076
47P1	121
47Z1	1V030
47Z3(MOV)	2V030
47Z7(MOV)	2V030
47Z102536-P1	177
48-00021/0601	125
48-000-21/0601	125
48-000-24/0401	109
48-001-09/0401	109
48-00155047	519
48-00155059	198
48-00155060	519
48-00155073	85
48-00155077	177
48-00155087	229
48-00155093	85
48-00155114	109
48-00155119	289A
48-00155128	552
48-00155137	552
48-00155144	615A
48-00155166	5071A
48-00155172(BCE)	290A
48-00155177	116
48-00155179	552
48-00155192	5021A
48-00155222	287
48-00155258	519
48-00155267	5633
48-00155293(BCE)	85
48-00155294(BCE)	290A
48-00155296	552
48-00155307	85
48-00155322	3074
48-00155334	519
48-00155364	293
48-00155365	85
48-00155372(BCE)	85
48-00155400(BCE)	85
48-00155401	16
48-00155402(BCE)	85
48-00155403(BCE)	85
48-00355052	229
48-01	116
48-01-003	473
48-01-003B	473
48-01-004	108
48-01-005	123A
48-01-007	128
48-01-010	108
48-01-017	107
48-01-027	161
48-01-031	107
48-01-041	350
48-01-043	349
48-01-048	479
48-01-049	199
48-01-055	341
48-01-064	341
48-01-094	350
48-01-D84	320
48-03-002	159
48-03-041840-2	130
48-03-04046103	128
48-03-04093403	130
48-03-05013702	128
48-03-109715	182§
48-03-109715-02	182§
48-03-10111102	129
48-03-10744702	192§
48-03-10744802	129
48-05-001	116
48-05-011	177
48-06-001	109
48-0104(Exidy)	7475
48-0300A01	312
48-03003A01	235
48-03003A02	123AP
48-03003A03	123AP
48-03003A04	159
48-03003A05	123AP
48-03003A06	294
48-03003A07	123A
48-03003A09	312
48-03003A10	222
48-03003A11	199
48-03003A12	123AP
48-03005A01	177
48-03005A03	109
48-03005A05	177
48-03005A06	5016A
48-03005A07	116
48-03005A08	614
48-03005A09	156
48-03073A02	136A
48-03073A04	142A
48-03073A05	144A
48-03073A06	5072A
48-03073A08	5087A
48-03073A09	139A
48-03073A10	5000A
48-030073A10	5066A
48-0307310	5066A
48-11-005	140A
48-11-010	5041A
48-15	130
48-35P1	102
48-36P1	102
48-36P3	102
48-39P1	121
48-39P3	102
48-43P3	102
48-43P4	102
48-45N2	199
48-56P1	100
48-57B2	121
48-57B42	121
48-77	358
48-110	113A
48-155O61	109
48-171-A06	102A
48-191A01	116
48-191A01-9	116
48-191A02	116
48-191A03	116
48-191A04	116
48-191A05	506
48-191A05A	506
48-191A07	116
48-191A07A	116
48-191A08	116
48-191A11	116
48-300-3A10	222
48-843C0A84	311
48-971A04	108
48-971A05	123A
48-971A13	124
48-971-A95	123A
48-971A203	160
48-1005	116
48-1050-SL12318	9930
48-1050-SL12319	9932
48-1050-SL12320	9933
48-1050-SL12321	9936
48-1050-SL12322	9944
48-1050-SL12323	9945
48-1050-SL12324	9946
48-1050-SL12325	9962
48-1050-SL12326	9093
48-1050-SL12327	9099
48-2000(Exidy)	7400
48-2005(Exidy)	7402
48-2011(Exidy)	74S04
48-2013(Exidy)	7406
48-2015(Exidy)	7407
48-2020(Exidy)	7408
48-2035(Exidy)	7420
48-2045(Exidy)	7427
48-2055(Exidy)	7432
48-2067(Exidy)	7474
48-2071(Exidy)	74LS112A
48-2079(Exidy)	8318
48-2080(Exidy)	74151
48-2090(Exidy)	74157
48-2095(Exidy)	74161
48-2100(Exidy)	74166
48-2115(Exidy)	74193
48-2210(4 PIN)	909D
48-2210(8 PIN)	975
48-2212(Exidy)	978
48-2215(Exidy)	978
48-2217(Exidy)	967
48-2221(Exidy)	829
48-2302(Exidy)	74LS04
48-2305(Exidy)	74LS74A
48-2307(Exidy)	74LS138
48-2308(Exidy)	74LS161A
48-2314(Exidy)	74LS374
48-2316(Exidy)	74LS21
48-2321(Exidy)	74LS139
48-2322(Exidy)	74LS153
48-2328(Exidy)	74LS241
48-2332(Exidy)	74LS11
48-2333(Exidy)	74LS174
48-2334(Exidy)	2114
48-2337(Exidy)	961
48-2338(Exidy)	966
48-2340(Exidy)	74LS14
48-2341(Exidy)	74LS86
48-2342(Exidy)	987
48-2350(Exidy)	74LS245
48-2503P01	611
48-3003A02	293
48-3003A03	107
48-3003A04	106
48-3003A05	123A
48-3003A06	159
48-3003A09	312
48-3003A10	222
48-3003A11	123A
48-3003A12	123A
48-4073P01	116
48-4285P01	235
48-4937	233
48-6502(Exidy)	6502
48-6712	113A
48-6712A02	178MP
48-6712A11	177
48-6720A02	177
48-8213H07	5224A
48-8213H08	5186A
48-8240C06	116
48-8240C07	519
48-8240C08	116
48-8240C09	177
48-8240C10	506
48-8240C11	519
48-8240C12	506
48-8240C13	177
48-8240C14	519
48-8240C15	177
48-8240C16	519
48-8240C17	519
48-8240C18	519
48-8369E62	179
48-8375D02	5455
48-8398E83	160
48-8401A02	154
48-8613	112
48-8613-3	126A
48-8619-3	109
48-9032A99	586
48-9042A79	116
48-9109(Exidy)	8080A
48-9112(Exidy)	990
48-10001-A01	116
48-10001-A03	116
48-10001-A030-1	116
48-10062A01	116
48-10062A01A	116
48-10062A02	116
48-10062A04	116
48-10062A05	116
48-10062A05A	116
48-10073A01	102A
48-10073A02	102
48-10074A01	102A
48-10074A02	102
48-10074A03	102A
48-10075A01	121MP
48-10075A02	121MP
48-10075A03	121MP
48-10075A04	121MP
48-10075A05	121MP
48-10075A06	121MP
48-10075A07	121MP
48-10075A08	121MP
48-10079A01	160
48-10079A02	160
48-10103A01	121MP
48-10103A02	121MP
48-10103A03	121MP
48-10103A04	121MP
48-10103A05	121MP
48-10103A07	121MP
48-10103A08	121MP
48-10103A09	121MP
48-10103A10	121MP
48-10346A02	507
48-10577A01	177
48-10577A02	177
48-10577A04	125
48-10577A11	178MP
48-10577A13	105
48-10577A13(Diode)	177
48-10641D62	137A
48-10813A01	5013A
48-12091A	181
48-12443	102A
48-13001A01	124
48-13309X3	152
48-13470	108
48-13481	123A
48-13707	220
48-14784J03	184
48-17162A06	102A
48-17162A10	158
48-17162A13	124
48-17162A17	102A
48-17162A22	102A
48-17271A03	102A
48-21598B01	102A
48-21785J61	311
48-22310K51	311
48-32000	142A
48-34816	177
48-37312	242
48-40004S04	108
48-40004S06	235
48-40004S07	123AP
48-40004S09	159
48-40004S11	152
48-40004S22	184
48-40059U06	5012A
48-40059U34	5020A
48-40118B01	159
48-40118B01A	159
48-40149P01	199
48-40170-G01	199
48-40170G01	85
48-40171G01	123A
48-40172G01	131
48-40212	128
48-40235G01	116
48-40235G02	552
48-40246G01	199
48-40246-G01	199
48-40246G02	123A
48-40247G02	199
48-40382J01	186
48-40383J01	187
48-40458A04	136A
48-40458A06	5072A
48-40458A064	5072A
48-40477U01	116
48-40531T01	555A
48-40606J01	123A
48-40606J02	199
48-40607J01	199
48-40627U01	85
48-40627U02	85
48-40732P01	229
48-40732P02	107
48-40734P01	295
48-40738P01	177
48-40739P01	116
48-40764P01	235
48-40830T01	85
48-40832T01	5029A
48-40833T01	156
48-40887T01	280
48-41266G01	506
48-41349J02	199
48-41508A02	116
48-41763C01	139A
48-41763C02	5072A
48-41763C03	139A
48-41763C1	5072A
48-41768G01	109
48-41768G02	109
48-41784J03	184
48-41784J04	184
48-41785J03	185
48-41785J04	187A
48-41815J02	85
48-41816J01	85
48-41816J02	107
48-41816J03	229
48-41873J01	5072A
48-41873J02	139A
48-41873J03	140A
48-41884J03	184
48-42098B01	159
48-42098B01A	159
48-42182U01	199
48-42191G01	85
48-42191G03	85
48-42503P01	612
48-42884P01	295
48-42885P01	235
48-42899J01	177
48-43191G01	107
48-43238G01	290A
48-43238G02	159
48-43239G02	289A
48-43240G01	152
48-43240G02	152
48-43241G01	153
48-43241G02	153
48-43265G01	116
48-43351A01	102A
48-43351A02	107
48-43351A03	108
48-43351A04	108
48-43351A05	108
48-43354A81	123A
48-43354A82	123A
48-43354A83	158
48-43467J01	312
48-43991J01	108
48-43992J01	108
48-44080J01	601
48-44080J05	139A
48-44125A07	125
48-44160U01	85
48-44160U02	85
48-44211G01	295
48-44300A06	140A
48-44578J01	199
48-44580J01	229
48-44580J02	229
48-44883G01	152
48-44884G01	153
48-44884P01	85
48-44885G01	85
48-44885G02	123A
48-44885P01	290A
48-44886G01	289A
48-44886P01	454§
48-44887G0	116
48-44887P01	85
48-44888P01	229
48-44889P01	107
48-44890P01	236◆
48-44891P01	236◆
48-44892P01	373
48-44895P01	289A
48-44897P01	519
48-44898P01	116
48-44899P01	177
48-44901P01	139A
48-44902P01	519
48-44905P01	1192
48-44978P01	616
48-45315G01	229
48-45315G03	229
48-45323G01	612
48-46669H01	177
48-57120A01	116
48-60022A13	123A
48-60022A14	175
48-60022A97	109
48-60022A98	116
48-60077A06	109
48-60154A01	110MP
48-61074B01	109
48-61767B01	109
48-62334A01	110MP
48-62334A02	109
48-63005A66	123A
48-63005A72	123A
48-63006A56	109
48-63026A45	124
48-63026A46	108
48-63026A47	123A
48-63026A48	123A
48-63029A16	160
48-63029A17	158
48-63029A18	102
48-63029A19	102
48-63029A20	109
48-63029A60	160
48-63029A90	126A
48-63029A91	102
48-63029A92	100
48-63029A93	102
48-63029A94	102
48-63044A05	102A
48-63075A72	160
48-63075A73	160
48-63075A74	126A
48-63075A75	160
48-63075A76	100
48-63075A78	109
48-63076A52	123A
48-63076A81	107
48-63076A82	107
48-63076A83	123A
48-63077A03	100
48-63077A10	123A
48-63077A11	109
48-63077A29	108
48-63077A30	123A
48-63077A31	123A
48-63077A32	109
48-63078A52	107
48-63078A54	107
48-63078A59	100
48-63078A60	100
48-63078A61	100
48-63078A62	158
48-63078A63	160
48-63078A64	100
48-63078A65	126A
48-63078A66	158
48-63078A68	158
48-63078A69	158
48-63078A70	123A
48-63078A71	123A
48-63078A86	103A + 102A(CP)
48-63079A97	123A
48-63081A82	160
48-63082A15	100
48-63082A16	158
48-63082A24	126A
48-63082A25	123A
48-63082A26	123A
48-63082A27	123A
48-63082A45	123A
48-63082A71	123A
48-63084A03	102A
48-63084A04	102A
48-63084A05	102A
48-63084A06	109
48-63086A16	116
48-63086A19	158
48-63590A01	109
48-64169	116
48-64978A10	121MP
48-64978A11	121MP
48-64978A24	121MP
48-64978A27	160
48-64978A28	160
48-64978A29	160
48-64978A39	222
48-64978A40	159
48-64978A40A	159
48-64978A41	159
48-64978A41A	159
48-65108A23	102A(2)
48-65108A62	102A(2)
48-65112A65	108
48-65112A67	108
48-65112A68	161
48-65112A73	112
48-65113A84	112
48-65113A88	108
48-65118A64	108
48-65123A67	108
48-65123A94	123A
48-65123A95	108
48-65132A79	160
48-65144A72	108
48-65145A74	116
48-65146A61	161
48-65146A62	161
48-65146A63	161
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48-90420A11	199
48-90420A17	5007A
48-90420A18	5021A
48-90420A19	289A
48-90420A24	289A
48-90420A29(BCE)	19
48-90420A30	199
48-90420A36	107
48-90420A41(BCE)	16
48-90420A42(BCE)	19
48-90420A43	293
48-90420A53	605A
48-90420A61	152
48-90420A62	186A
48-90420A63	199
48-90420A64	199
48-90420A72	612
48-90420A74	198
48-90420A76	552
48-90420A77	552
48-90420A79	116
48-90420A80	116
48-90420A82	157
48-90420A83	91
48-90420A84	152
48-90420A85	552
48-90420A86	552
48-90420A87	552
48-90420A88	146A
48-90420A92	376
48-90420A97	552
48-90420A98	552
48-90420A99	289A
48-90432A01	289A
48-90432A02	373
48-90432A03	116
48-90432A04	116
48-90432A06	290A
48-90432A08	374
48-90432A12	519
48-90432A14	290A
48-90432A15	116
48-90432A17	147A
48-90432A18	144A
48-90432A19	519
48-90432A32	15
48-90432A34	289A
48-90432A34(BCE)	85
48-90432A35	18
48-90432A36	18
48-90432A40	5018A
48-90432A41	5024A
48-90432A42	5011A
48-90432A55	19
48-90432A56	19
48-90432A63	5007A
48-90432A69	198
48-90432A70	375
48-90432A71	198
48-90432A72	506
48-90432A75	5074A
48-90432A76	186A
48-90432A77	290A
48-90432A78	5014A
48-90432A79	552
48-90432A80	125
48-90432A85	243
48-90445A05	85
48-90445A09	15
48-90445A11	15
48-90445A17	16
48-90445A32	5033A
48-90445A41	5014A
48-90445A43	295
48-90445A44	90
48-90445A48	376
48-90445A50	5013A
48-90445A51	5020A
48-90445A53	287
48-90445A54	373
48-90445A56	375
48-90445A57	295#
48-90445A60	558
48-90445A62	187A
48-90445A63	152
48-90445A64	107
48-90445A65	157
48-90445A66	5024A
48-90445A67	5033A
48-90445A68	234
48-90445A69	376
48-90445A70	157
48-90445A71	157
48-90445A72	85
48-90445A73	85
48-90445A74	85
48-90445A91	16◆
48-90445A93	253
48-90445A94	5025A
48-90445A97	615A
48-90448A32	552
48-90456A04(BCE)	290A
48-90456A07	21
48-90456A11	18
48-90456A15	116
48-90456A16	5011A
48-90456A24	519
48-90456A32	152
48-90456A35	552
48-90456A47	85
48-90456A73	5009A
48-90456A85	5018A
48-90478A04	16◆
48-90478A12	5013A
48-90478A13	5014A
48-90478A26	5314
48-90478A27	125(2)
48-90478A28	125(2)
48-90478A30	5010A
48-90478A34	3121
48-90478A41	5025A
48-90478A47	19
48-90478A49	85
48-90478A52	16
48-90478A53	16◆
48-90478A56	54
48-90478A57	116
48-90478A60	125
48-90478A65	375
48-90478A68	16
48-90478A73	5014A
48-90478A78	5020A
48-90478A83	290A
48-90478A94	21
48-90488A01	519
48-90488A06	3022
48-90488A16(BCE)	290A
48-90488A17(BCE)	85
48-90488A19	18
48-90488A32	552
48-90488A42	399
48-90488A50	184
48-90488A61	4321
48-90488A62	152
48-90488A66	389
48-90488A67	125
48-90488A68	5020A
48-90488A69	116
48-90488A74	19
48-90488A77	605A
48-90543A05	5033A
48-90543A06	5013A
48-90543A15	558
48-90549A22	552
48-90549A71	293
48-90549A99	5015A
48-90562A02	116
48-90562A04	109
48-90562A29	125
48-93043A54	552
48-97046A02	102A
48-97046A03	102A
48-97046A04	108
48-97046A05	107
48-97046A06	107
48-97046A07	107
48-97046A08	126A
48-97046A09	126A
48-97046A10	102A
48-97046A14	5069A
48-97046A15	131
48-97046A16	126A
48-97046A17	107
48-97046A18	108
48-97046A20	107
48-97046A21	107
48-97046A22	123A
48-97046A23	123A
48-97046A24	123A
48-97046A25	161
48-97046A26	159
48-97046A27	159
48-97046A28	123A
48-97046A29	128
48-97046A30	152
48-97046A31	131
48-97046A32	102A
48-97046A33	102A
48-97046A34	102A
48-97046A36	129
48-97046A37	158
48-97046A38	152
48-97046A39	129
48-97046A40	128
48-97046A42	123A
48-97046A43	123A
48-97046A45	161
48-97046A46	123A
48-97046A47	312
48-97046A48	312
48-97046A50	123A
48-97046A51	108
48-97046A52	123A
48-97046A53	102
48-97046A54	102A
48-97046A55	102A
48-97046A56	102A
48-97046A57	102A
48-97048A01	177
48-97048A02	109
48-97048A04	116
48-97048A05	110MP
48-97048A06	109
48-97048A07	116
48-97048A08	142A
48-97048A10	116
48-97048A16	142A
48-97048A17	177
48-97048A18	116
48-97048A19	109
48-97048A20	125
48-97127A01	116
48-97127A02	108
48-97127A03	108
48-97127A04	128
48-97127A05	158
48-97127A06	107
48-97127A09	158
48-97127A012	123A
48-97127A013	123A
48-97127A015	106
48-97127A018	123A
48-97127A019	128
48-97127A12	123A
48-97127A13	123A
48-97127A15	106
48-97127A18	123A
48-97127A19	123A
48-97127A20	102A
48-97127A22	102A
48-97127A23	158
48-97127A24	123A
48-97127A29	123A
48-97127A30	102A
48-97127A31	102A
48-97127A32	102
48-97127A33	123A
48-97162A01	108
48-97162A02	108
48-97162A03	126A
48-97162A04	123A
48-97162A05	123A
48-97162A06	158
48-97162A07	158
48-97162A08	158
48-97162A09	123A
48-97162A11	102A
48-97162A12	123A
48-97162A15	123A
48-97162A16	102A
48-97162A18	102A
48-97162A19	102A
48-97162A20	102A
48-97162A21	123A
48-97162A23	123A
48-97162A24	102A
48-97162A25	102A
48-97162A26	107
48-97162A28	161
48-97162A30	161
48-97162A31	161
48-97162A32	161
48-97162A33	123A
48-97162A34	158
48-97162A35	184
48-97162A69	184
48-97168A01	109
48-97168A02	116
48-97168A03	110MP
48-97168A04	109
48-97168A06	116
48-97168A07	109
48-97168A09	109
48-97168A10	116
48-97168A11	116
48-97168A13	109
48-97168A14	116
48-97172A01	116
48-97177A01	312
48-97177A02	161
48-97177A03	161
48-97177A04	108
48-97177A06	312
48-97177A07	108
48-97177A08	108
48-97177A09	123A
48-97177A10	188
48-97177A11	189
48-97177A12	123A
48-97177A13	123A
48-97177A14	159
48-97177A14A	159
48-97177A15	109
48-97177H01	312
48-97221A01	102A
48-97221A02	102A
48-97221A03	102A
48-97221A04	102A
48-97221A05	102A
48-97222A01	109
48-97222A02	116
48-97238A01	126A
48-97238A02	126A
48-97238A03	126A
48-97238A04	123A
48-97238A05	102A
48-97238A06	131
48-97238A07	102A
48-97239A01	109
48-97270A01	116
48-97270A02	109
48-97271A01	102A
48-97271A02	102A
48-97271A03	102A
48-97271A04	102A
48-97271A05	160
48-97271A06	160
48-97271A2	102A
48-97271A3	102A
48-97271A4	102A
48-97271A5	102A
48-97271A6	102A
48-97305A02	136A
48-97305A03	166
48-97305A05	136A
48-97762A02	108
48-97768A06	125
48-103083	105
48-123522	126A
48-123536	126A
48-123802	123A
48-123803	123A
48-124158	102A
48-124159	102A
48-124175	102A
48-124204	121
48-124206	121
48-124216	101
48-124217	101
48-124218	101
48-124219	102
48-124220	101
48-124221	101
48-124239	102A
48-124246	121
48-124247	121
48-124255	126A
48-124256	126A
48-124258	158
48-124259	158
48-124275	158
48-124276	158
48-124279	158
48-124285	121
48-124286	102
48-124296	160
48-124297	102
48-124300	158
48-124302	121
48-124303	102
48-124304	102
48-124305	126A
48-124306	102
48-124307	100
48-124308	100
48-124309	102
48-124310	126A
48-124311	126A
48-124312	126A
48-124313	102
48-124314	100
48-124315	100
48-124316	126A
48-124317	102A
48-124318	102
48-124319	102
48-124320	126A
48-124321	160
48-124322	158
48-124327	100
48-124328	100
48-124329	105
48-124332	121
48-124342	101
48-124343	100
48-124344	100
48-124345	100
48-124346	126A
48-124347	126A
48-124348	126A
48-124349	126A
48-124350	126A
48-124351	126A
48-124352	126A
48-124353	102
48-124354	102
48-124355	102
48-124356	121
48-124357	100
48-124358	100
48-124359	100
48-124360	126A
48-124362	103A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
48-124363	160
48-124364	126A
48-124365	126A
48-124366	126A
48-124367	126A
48-124368	160
48-124370	100
48-124371	100
48-124373	102A
48-124376	126A
48-124377	126A
48-124378	100
48-124379	100
48-124380	100
48-124387	102A
48-124388	126A
48-124389	100
48-124398	100
48-124443	100
48-124444	100
48-124445	100
48-124446	100
48-124804	108
48-124805	108
48-124808	108
48-125204	121
48-125208	121
48-125219	121
48-125228	126A
48-125229	100
48-125230	100
48-125231	100
48-125232	100
48-125233	101
48-125234	101
48-125235	101
48-125236	101
48-125237	100
48-125238	100
48-125239	100
48-125240	100
48-125242	100
48-125252	105
48-125266	121
48-125267	121
48-125271	158
48-125276	158
48-125278	126A
48-125282	102A
48-125285	102A
48-125286	105
48-125288	121
48-125294	102A
48-125296	100
48-125298	121
48-125299	105
48-125332	121
48-127021	5071A
48-128093	126A
48-128094	158
48-128095	126A
48-128096	126A
48-128219	160
48-128239	101
48-128303	100
48-129934	121
48-129935	121
48-129936	121
48-129937	121
48-134101	126A
48-134173	123A
48-134190A1G	161
48-134302	121
48-134372	126A
48-134387	109
48-134404	126A
48-134405	126A
48-134406	126A
48-134407	158
48-134408	102A
48-134411	160
48-134412	160
48-134413	160
48-134414	126A
48-134415	100
48-134416	100
48-134417	100
48-134418	100
48-134419	100
48-134420	100
48-134421	100
48-134422	100
48-134423	100
48-134424	100
48-134425	100
48-134426	100
48-134427	100
48-134428	100
48-134429	100
48-134430	105
48-134431	176
48-134432	100
48-134433	100
48-134434	126A
48-134439	160
48-134442	107
48-134443	100
48-134444	100
48-134445	100
48-134446	100
48-134447	121
48-134448	121
48-134449	121
48-134450	100
48-134451	121
48-134452	121
48-134454	126A
48-134456	126A
48-134457	126A
48-134458	100
48-134459	127
48-134462	100
48-134463	121
48-134464	123A
48-134465	123A
48-134466	100
48-134467	5896
48-134468	100
48-134469	100
48-134470	100
48-134471	100
48-134472	100
48-134473	100
48-134474	100
48-134475	100
48-134476	100
48-134477	100
48-134478	129
48-134478A	129
48-134479	126A
48-134480	126A
48-134481	126A
48-134482	158
48-134483	158
48-134484	160
48-134485	160
48-134486	160
48-134487	121
48-134488	121
48-134493	121
48-134494	100
48-134495	100
48-134496	100
48-134499	100
48-134500	100
48-134501	100
48-134504	160
48-134506	160
48-134507	160
48-134508	126A
48-134509	100
48-134510	100
48-134511	102
48-134512	100
48-134514	126A
48-134519	121
48-134520	101
48-134521	126A
48-134522	126A
48-134523	121
48-134524	160
48-134525	159
48-134525A	159
48-134526	160
48-134535	100
48-134536	126A
48-134537	109
48-134538	100
48-134539	100
48-134540	100
48-134541	100
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48-134544	100
48-134545	126A
48-134547	126A
48-134548	126A
48-134552	144A
48-134553	100
48-134554	100
48-134555	100
48-134556	100
48-134557	100
48-134558	100
48-134559	100
48-134560	121
48-134561	126A
48-134562	100
48-134563	100
48-134564	100
48-134565	100
48-134567	100
48-134570	121
48-134571	121
48-134572	102A
48-134573	102
48-134574	121
48-134575	121
48-134576	126A
48-134577	126A
48-134578	126A
48-134579	160
48-134582	121
48-134583	121
48-134584	176
48-134585	176
48-134587	109
48-134588	109
48-134590	123A
48-134591	126A
48-134592	121
48-134597	102A
48-134598	109
48-134599	102A
48-134600	126A
48-134601	126A
48-134602	126A
48-134603	100
48-134604	100
48-134605	126A
48-134606	121
48-134607	102A
48-134610	100
48-134611	121
48-134612	121
48-134613	121
48-134620	121
48-134621	102A
48-134622	105
48-134623	127
48-134625	100
48-134626	100
48-134630	195A
48-134631	100
48-134632	102A
48-134633	158
48-134634	121
48-134635	126A
48-134636	100
48-134637	100
48-134638	121
48-134639	121
48-134640	179
48-134641	100
48-134643	148A
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48-134646	121
48-134647	121
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48-134653	139A
48-134654	123A
48-134655	100
48-134656	100
48-134657	100
48-134659	144A
48-134661	121
48-134663	147A
48-134664	123A
48-134665	123A
48-134666	123A
48-134667	123A
48-134668	123A
48-134669	123A
48-134670	121
48-134671	156
48-134672	121
48-134673	123A
48-134674	123A
48-134675	123A
48-134676	160
48-134677	160
48-134678	160
48-134679	160
48-134680	126A
48-134681	126A
48-134682	126A
48-134683	126A
48-134684	126A
48-134689	128
48-134690	123A
48-134691	123A
48-134692	179
48-134693	160
48-134694	160
48-134695	179
48-134696	121
48-134697	126A
48-134698	135A
48-134699	150A
48-134700	101
48-134701	130
48-134701A	130
48-134702	159
48-134702A	159
48-134703	123A
48-134704	150A
48-134705	123A
48-134706	108
48-134709	108
48-134711	126A
48-134713	108
48-134714	123A
48-134715	130
48-134715A	130
48-134717	108
48-134718	123A
48-134719	108
48-134720	123A
48-134721	123A
48-134722	121
48-134723	121
48-134724	108
48-134725	108
48-134726	123A
48-134727	104
48-134728	151A
48-134729	179
48-134730	121
48-134731	104
48-134732	123A
48-134733	123A
48-134733A	123A
48-134734	123A
48-134734A	123A
48-134737	123A
48-134738	121
48-134739	123A
48-134739A	124
48-134740	179
48-134741	179
48-134742	179
48-134743	179
48-134744	121
48-134745	159
48-134745A	159
48-134746	121
48-134747	104MP
48-134748	179
48-134749	179
48-134750	121
48-134751	121
48-134752	179
48-134753	179
48-134756	161
48-134757	121
48-134758	121
48-134759	121
48-134760	179
48-134761	179
48-134763	121
48-134764	121
48-134765	123A
48-134766	121
48-134767	121
48-134768	123A
48-134769	116
48-134772	108
48-134773	108
48-134774	108
48-134775	123A
48-134776	123A
48-134777	108
48-134779	108
48-134780	108
48-134781	177
48-134782	123A
48-134783	108
48-134784	108
48-134785	123A
48-134786	108
48-134787	108
48-134788	179
48-134789	107
48-134790	116
48-134791	123A
48-134792	6400B
48-134795	126A
48-134796	126A
48-134797	126A
48-134798	126A
48-134800	108
48-134801	123A
48-134804	123A
48-134805	229
48-134806	108
48-134807	123A
48-134808	123A
48-134809	123A
48-134810	199
48-134811	123A
48-134813	199
48-134814	108
48-134815	159
48-134815A	159
48-134816	177
48-134817	123A
48-134818	108
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48-869226-0	123A
48-869228	128
48-869237	121
48-869243	121
48-869244	130
48-869245	123A
48-869248	123A
48-869249	102
48-869250	102
48-869251	105
48-869252	108
48-869253	102
48-869254	103
48-869255	121
48-869256	6401
48-869257	129
48-869258	160
48-869259	130
48-869260	195A
48-869263	128
48-869264	6400B
48-869265	198
48-869266	161
48-869269	199
48-869271	195A
48-869273C	163A
48-869274	175
48-869278	130
48-869279C	162
48-869282	102
48-869283	103
48-869285	195A
48-869286	198
48-869287	124
48-869293	199
48-869294	121
48-869299	123A
48-869301	175
48-869302	130
48-869306	314
48-869308	129
48-869309	175
48-869312	123A
48-869316	476
48-869320	198
48-869321	130
48-869323	123A
48-869325	123A
48-869329	123A
48-869334	159
48-869337	162
48-869338	199
48-869342	121
48-869347	179
48-869355	195A
48-869357	123A
48-869366	123A
48-869377	123A
48-869378	123A
48-869380	128
48-869384	199
48-869385	6409§
48-869389	289A
48-869390	123A
48-869393	175
48-869398	129
48-869400	129
48-869408	162
48-869409	199
48-869412	234
48-869413	159
48-869416	199
48-869418	123A
48-869420	121
48-869426	129
48-869427	179
48-869430	195A
48-869431	195A
48-869432	129
48-869435	129
48-869436	121
48-869440	128
48-869444	123A
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48-869450	161
48-869453	123A
48-869458	121
48-869464	128
48-869465	198
48-869467	234
48-869474	199
48-869475	102
48-869475A	102
48-869476	103
48-869476A	103
48-869480	181
48-869481	161
48-869483	107
48-869486	192
48-869491	195A
48-869497	199
48-869515	130
48-869517	121
48-869518	102A
48-869519	195A
48-869520	129
48-869521	192§
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48-869527	158
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48-869547	199
48-869550	121
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48-869570	123A
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48-869588	348
48-869590	640§
48-869591	346
48-869594	199
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48-869616	359
48-869617	359
48-869618	184
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48-869623	354
48-869624	355
48-869625	356§
48-869628	181
48-869629	181
48-869631	346
48-869639	181
48-869640	188
48-869641	189
48-869642	123AP
48-869643	159
48-869649	159
48-869653	451
48-869657	346
48-869659	476
48-869660	390
48-869661	152
48-869665	320
48-869671	281
48-869675	123A
48-869676	196
48-869677	197
48-869681	129
48-869701	197
48-869703	346
48-869703-3	128
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48-869741	366
48-869755	367
48-869765	350
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48-869844	316
48-869847	317
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48-869877	484
48-869959	481
48-7322230	358
48A41508A01	116
48A42383A01	614
48A82656B01	109
48A82656B02	109
48A84302A60	5141A
48A124327	102
48A155025	280
48B41226G01	506
48B41768G01	109
48B41768G02	109
48B43265G01	116
48B81119	109
48B407624P1	123A
48B864199	177
48B872157	109
48B874355	109
48C1(IC)	1091*
48C-1(IC)	1091*
48C-40235-602	116
48C40235G01	116
48C40235G02	552
48C61074B01	109
48C65837A02	109
48C82095C01	116
48C82095C02	116
48C82116E01	112
48C82137H05	5175AK
48C82178A02	109
48C82178A04	109
48C82178A07	109
48C82256C06	141A
48C82256C07	5009A
48C82256C09	5016A
48C82256C11	140A
48C82256C12	136A
48C82256C14	145A
48C82256C15	5010A
48C82256C16	5072A
48C82392B01	177
48C82420C08	116
48C82478C03	587§
48C82525G07	580Ω
48C82583B01	112
48C82617C01	177
48C82732C04	5944
48C84302A06	177
48C84302A07	177
48C84302A09	137A
48C86484A01	110MP
48C848523	116
48C851644	116
48C863751	5870
48C867380	5801
48C873019	5009A
48C875657	116
48C876313	116
48C(IC)	1091*
48-CSP1002	121
48D67	177
48D8375D02	5455
48D67120A02	116
48D67120A11	177
48D67120A13	177
48D69723A01	513§
48D69723A02-185	513§
48D82256C17	5021A
48D82256C18	5018A
48D82256C19	5014A
48D82256C20	146A
48D82256C23	5014A
48D82256C24	5027A
48D82256C25	142A
48D82256C27	151A
48D82256C28	140A
48D82256C29	5090A
48D82256C30	5096A
48D82256C31	5081A
48D82256C33	5063A
48D82256C34	5074A
48D82256C37	5071A
48D82256C39	5079A
48D82256C40	140A
48D82256C43	139A
48D82256C44	5015A
48D82256C46	5067A
48D82256C49	5031A
48D82256C51	5116A
48D82256C53	5077A
48D82256C54	142A
48D82256C56	139A
48D82256C60	146A
48D82256D38	139A
48D82323B02	5834
48D82420C01	177
48D82420C02	177
48D82420C03	519
48D82420C04	519
48D82420C05	177
48D82420C11	519
48D82420C15	177
48D82420C16	519
48D82533D02	145A
48D82533D06	5101A
48D82533D08	5116A
48D82533D09	5077A
48D83461E01	5075A
48D83461E03	5066A
48D83461E06	5096A
48D83461E12	146A
48D83461E13	5068A
48D83461E15	5018A
48D83461E16	5095A
48D83875D01	5454
48D83875D03	5543
48D83875D04	5431§
48D83875D05	5422§
48D83875D06	5455
48D87200A01	5801
48G13001A01	124
48K134482	102
48K134483	102
48K134583	121
48K134584	121
48K644681	109
48K851645	116
48K863030	109
48K865539	110MP
48K867716	109
48K868734	116
48K869228	128
48K869269	199
48K869293	199
48K869309	175
48K869342	121
48K869409	199
48K869447	199
48K869474	199
48K869486	199
48K869515	130
48-K869575	108
48M355046	601
48NSP1035	121
48-P02597A	123A
48P1	102A
48P-2A5	102A
48P3624E15	5191A
48P8369E07	5000A
48P63078A71	123A
48P63082A45	108
48P63082A71	108
48P65112A73	112
48P65146A61	107
48P65146A63	108
48P65173A78	108
48P65174A24	161
48P82358D33	109
48P83042H54	5804
48P83042H55	5268A
48P83151D76	5800
48P83192A09	109
48P83192A10	177
48P83193A60	5021A
48P83624E01	138A
48P83624E02	140A
48P83624E04	5079A
48P83624E05	5080A
48P83624E06	5084A
48P83624E08	5182A
48P83624E09	5183A
48P83624E10	5185A
48P83624E11	5186A
48P83624E12	5187A
48P83624E13	5188A
48P83624E14	5189A
48P83624E16	5192A
48P83624E17	5194A
48P83624E18	5196A
48P83624E19	5197A
48P83624E21	5200A
48P83624E22	5202A
48P83624E23	5071A
48P83624E24	138A
48P83624E25	5072A
48P83624E26	5074A
48P83624E27	143A
48P83624E28	5075A
48P83624E29	5080A
48P83624E30	146A
48P83624E31	5084A
48P83624E43	109
48P83624E44	109
48P83624E45	109
48P83624E46	177
48P83624E47	177
48P83624E48	116
48P83624E49	116
48P83624E50	116
48P83624E52	5066A
48P83624E54	139A
48P83624E56	5014A
48P83624E57	5072A
48P83624E59	5038A
48P83624E60	150A
48P83624E63	5850
48P83624E65	5804
48P83624E66	5802
48P83624E67	5806
48P83624E73	5196AK
48P83624E75	5205A
48P83624E76	5217A
48P83624E78	5220A
48P83624E79	140A
48P83624E80	5081A
48P83624E81	5086A
48P83624E82	149A
48P83624E83	116
48P83624E84	116
48P83624E85	116
48P83624E86	5940
48P83624E87	5944
48P83624E88	5948
48P83624E89	125
48P83624E90	525
48P83624E91	116
48P83624E92	5074A
48P83624E93	5075A
48P83624E94	5077A
48P83624E95	5081A
48P83624E96	5125A
48P83624E97	5130A
48P83698E08	5801
48P83698E09	5801
48P83699E12	5014A
48P83827D09	5982
48P83827D10	5002A
48P217241	181
48P232796	181
48R2	5866
48R25	5866
48R84302A02	109
48R84302A03	109
48R84302A10	137A
48R84302A12	177
48R84302A15	141A
48R84302A16	141A
48R84302A18	5089A
48R84302A19	5090A
48R84302A20	177
48R84302A39	5085A
48R84302A58	5127A
48R84302A77	5137A
48R84411L02	333
48R86851C71	346
48R87200A02	5802
48R134545	160
48R134582	121
48R134606	121
48R134621	102A
48R134632	102A
48R137696	389
48R430265	519
48R869090	127
48R869092	103
48R869093	103
48R869141	121
48R869142	121
48R869145	129
48R869170	128
48R869197	199
48R869202	121
48R869205	121
48R869206	6400B
48R869209	195A
48R869225	175
48R869241	121
48R869244	130
48R869250	102
48R869251	105
48R869255	121
48R869256	6401
48R869257	129
48R869264	6400B
48R869312	123A
48R869321	130
48R869325	123A
48R869329	123A
48R869334	159
48R869338	199
48R869384	199
48R869389	289A
48R869412	234
48R869413	159
48R869416	199
48R869432	129
48R869436	121
48R869444	123A
48R869467	234

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
48R869491	195A
48R869519	195A
48R869520	129
48R869521	192§
48R869525	123A
48R869526	159
48R869547	199
48R869550	121
48R869562	128
48R869563	123A
48R869568	123A
48R869570	123A
48R869571	159
48R869580	350
48R869582	185
48R869583	351
48R869586	359
48R869587	350
48R869588	348
48R869594	199
48R869599	311
48R869616	359
48R869617	359
48R869618	184
48R869622	353
48R869623	354
48R869624	355
48R869625	356§
48R869640	188
48R869641	189
48R869649	159
48R869659	350
48R869665	320
48R869676	196
48R869711	320
48R869740	366
48R869741	366
48R869755	367
48R869765	350
48R869767	123A
48R869773	316
48R869775	351
48R869844	316
48R869847	317
48R869851	366
48R869859	341
48R969681	129
48R8430266	5065A
48R8430267	5802
48S00155035	290A
48S00155039	109
48S00155060	519
48S00155073	85
48S00155077	519
48S00155087	229
48S00155093	85
48S00155094	85
48S00155114	109
48S00155131	605A
48S00155137	552
48S00155138	116
48S00155144	615A
48S00155146	5013A
48S00155166	5071A
48S00155172	19
48S00155172(BCE)	290A
48S00155176	116
48S00155177	116
48S00155222	399
48S00155258	519
48S00155267	5633
48S00155284	290A
48S00155293	16
48S00155293(BCE)	85
48S00155294(BCE)	290A
48S00155295	5014A
48S00155296	552
48S00155307	85
48S00155322	3074
48S00155329	199
48S00155330	145A
48S00155334	519
48S00155343	19
48S00155364	293
48S00155365	85
48S00155372(BCE)	85
48S00155380	290A
48S00155400	16
48S00155400(BCE)	85
48S00155401(BCE)	85
48S00155402	16◆
48S00155402(BCE)	85
48S00155403(BCE)	85
48S00355052	229
48S50	218
48S191A02	116
48S191A05	506
48S191A05A	506
48S191A07	116
48S191A08	506
48S4076P01	235
48S4219G01	107
48S4324aG01	153
48S4328G02	159
48S4531G03	229
48S10346A02	109
48S10577A01	177
48S10577A02	177
48S10577A11	177
48S10577A11(Diode)	177
48S10577A11(Transistor)	105
48S10577A13(Diode)	177
48S10577A13(Transistor)	105
48S10641D62	137A
48S13270	131
48S14873J01	5072A
48S40149P01	199
48S40170G01	85
48S40170GO1	199
48S40235G02	116
48S40246G01	199
48S40247G01	199
48S40247G03	199
48S40247G04	199
48S40382J01	186
48S40383J01	187
48S40606J02	199
48S40607J01	199
48S40662G02	152
48S40662G05	152
48S40732P01	229
48S40734P01	295
48S40738P01	177
48S40739P01	116
48S41784J03	184
48S41784J04	184
48S41785J03	185#
48S41815J02	85
48S41873J01	5016A
48S41873J02	139A
48S41873J03	140A
48S42191G01	107
48S42885P01	235
48S42976J01	1052
48S43191G01	107
48S43238G01	290A
48S43238G02	290A
48S43239G02	289A
48S43240G01	152
48S43240G02	152
48S43241G01	153
48S43467J01	312
48S43720J01	290A
48S43720J02	290A
48S43991J01	108
48S43992J01	108
48S44080J01	600
48S44578J01	85
48S44580J01	85
48S44580J02	229
48S44657G01	1022§
48S44883G01	152
48S44884G01	153
48S44885G01	123A
48S44885G02	123A
48S44886G01	289A
48S44886G02	289A
48S44886G03	289A
48S44886G04	289A
48S45315G01	229
48S45315G03	229
48S45323G01	612
48S90343A87	3120
48S90380A55	3120
48S90478A30	5010A
48S90478A34	3121
48S134761	104MP
48S134810	123AP
48S134811	123AP
48S134815	159
48S134816	177
48S134830	159
48S134831	159
48S134832	159
48S134900	162
48S134901	163A
48S134902	108
48S134903	123A
48S134916	113A
48S134917	178MP
48S134919	154
48S134921	116
48S134932	233
48S134933	123A
48S134936	196
48S134939	116
48S134944	312
48S134946	108
48S134960	108
48S134970	108
48S134979	108
48S134981	161
48S134988	192§
48S134989	193
48S134995	389
48S134997	123AP
48S137000	142A
48S137006	108
48S137015	199
48S137021	5072A
48S137032	159
48S137041	128
48S137082	503
48S137107	123A
48S137110	123A
48S137114	505
48S137115	123A
48S137127	159
48S137133	177
48S137134	389
48S137167	178MP
48S137168	189
48S137169	188
48S137170	5011A
48S137171	123A
48S137172	123A
48S137173	159
48S137174	123A
48S137266	147A
48S137272	147A
48S137299	109
48S137300	123A
48S137309	152
48S137310	153
48S137311	152
48S137312	153
48S137315	123A
48S137317	123A
48S137323	196
48S137330	145A
48S137341	165
48S137343	312
48S137344	130
48S137347	552
48S137348	552
48S137364	191
48S137369	152
48S137370	153
48S137386	194
48S137397	513§
48S137442	5080A
48S137476	191
48S137498	123A
48S137512	247
48S137524	163A
48S137528	124
48S137530	123A
48S137533	506
48S137535	124
48S137539	165
48S137543	123A
48S137546	506
48S137548	162
48S137551	506
48S137572	188
48S137638	6402§
48S137639	46
48S137643	153
48S155001	165
48S155002	502
48S155005	175
48S155006	154
48S155013	152
48S155025	280
48S155030	116
48S155034	198
48S155035	290A
48S155037	116
48S155039	109
48S155040	116
48S155041	116
48S155042	186A
48S155043	198
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48S155045	234
48S155046	297
48S155047	177
48S155048	5074A
48S155050	5404
48S155051	287
48S155052	605A
48S155053	130
48S155054	149A
48S155056	552
48S155057	116
48S155058	238
48S155059	198
48S155060	519
48S155061	109
48S155062	152
48S155063	116
48S155065	290A
48S155066	153
48S155067	130
48S155068	5633
48S155070	198
48S155071	85
48S155072	198
48S155073	85
48S155074	186A
48S155075	239
48S155076	165
48S155077	519
48S155078	109
48S155079	116
48S155080	5070A
48S155081	5074A
48S155083	125
48S155084	5074A
48S155087	229
48S155088	123A
48S155089	199
48S155090	238
48S155091	291
48S155092	5404
48S155093	85
48S155094	85
48S155095	194
48S155096	198
48S155099	116
48S155100	116
48S155103	142A
48S155104	145A
48S155105	162
48S155106	116
48S155107	552
48S155108	552
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48S155116	187A
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48S155118	283
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48S155122	294
48S155123	192§
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48S155127	5069A
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48X97162A02	108
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48X97162A37	158
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49-1	108
49-1042	116
49-3112	116
49-61963	5444
49-62139	128
49-155114	109
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49A0002-000	7473
49A0005-000	7410
49A0006-000	7420
49A0010	9944
49A0012-000	7474
49A0103-001	923
49A0510	9944
49C(IC)	1086*
49L-4A5	102A
49P1C	121
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49RECT-SI-154	552
49S1	177
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50-30715-06	290A
50-30715-07	290A
50-30715-08	290A
50-30718-07	294
50-30727-05	398
50-30727-07	32
50-30740-06	398#
50-40101-04	108
50-40101-05	108
50-40102-04	123A
50-40102-05	229
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50-40106-09	159
50-40201-08	123A
50-40201-09	123A
50-40201-10	123A
50-40204-10	159
50-40205-09	129
50-40301-02	389
50-40306-07	293
50-40708-06	85
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50-40711-07	399
50-40712-08	289A
50-40724-03	89
50-40725-06	229
50-40726-05	375
50-40727-08	399
50-40733-04	399
50-40734-08	2330◆
50-40735-07	31

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

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50-40743-01	2302
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50-41001-01	389
50-41302-01	165
50-50704-11(SGD)	459
50-51001-01(GSD)	451
50-70784-15	229
50-81402-04	123A
50-81502-03	229
50-81502-04	229
50A	116
50A-5-S001(Stern)	931
50A52	126A
50A102	126A
50A103	129
50A103K	126A
50AS	116
50B5	116
50B54	102A
50B173-C	102A
50B173-S	102A
50B175A	102A
50B175B	102A
50B175C	102A
50B324	158
50B364	158
50B415	158
50B423	102A
50BU75-C	102A
50C	116
50C05	6020
50C05R	6021
50C10	6022
50C10R	6023
50C20	6026
50C20R	6027
50C30	6034
50C30R	6035
50C40	6034
50C40R	6035
50C50	6040
50C50R	6041
50C60	6040
50C60R	6041
50C70	6042
50C70R	6043
50C80	6042
50C80R	6043
50C90	6044
50C90R	6045
50C100	6044
50C100R	6045
50C371	123A
50C372	123A
50C373	123A
50C374	123A
50C380-0	107
50C380-OR	107
50C394-0	107
50C394-R	107
50C401	130
50C538	123A
50C644	123A
50C784	108
50C784-R	107
50C828	123A
50C829	108
50C829B	108
50C829C	108
50C838	123A
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50E10	125
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50J3P	5882
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50M5.6ASZ5	5244A
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50M6.8ASZ5	5247A
50M6.8SZ5	5247A
50M7.5ASZ5	5248A
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50P10S	5574‡
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50R1A100	5569
50R1A110	5569
50R1A120	5569
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50RIA20	5567
50RIA20C20	5567
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50T6.8RB	5247AK
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50T7.5RB	5248AK
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50Z11C	141A
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50Z12C	142A
50Z14	144A
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50Z15B	145A
50Z15C	145A
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50Z27C	146A
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50Z33C	147A
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50Z56C	149A
50Z62	149A
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50Z62C	149A
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51-03009A08	1239
51-03015-02	116
51-03017-01	116
51-03020-02	552
51-03021-02	552
51-03024-02	552
51-03025-04	177
51-03026-04	116
51-03029-04	552
51-03030-04	552
51-03035-04	156
51-04001-01	109
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51-06002-00	610
51-08001-05	519
51-08001-11	519
51-08004-06	519
51-08006-02	519
51-4	157
51-13-14	177
51-47-20	128
51-47-21	159
51-47-23	123A
51-47-24	123A
51-47-28	519
51-47-34	234
51-137-53-A56	1410
51-1056FA01	722
51-1056GA01	722
51-1059A01	723
51-1059YA01	723
51-1063A01	708
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51-1375A11	712
51-3753A11	712
51-9033A32	1428
51-10276A01	704
51-10302A01	703
51-10382A	718
51-10382A01	722
51-10393A01	748A
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51-10422A	718
51-10422A01	718
51-10422A02	718
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51-10437A01	718
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51-10534A04	755
51-10541A01	917
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51-10566A01	722
51-10566A02	720
51-10592A01	722
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51-10594C01	723
51-10600A	6026
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51-10600A(IC)	753§
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51-13747A03	529
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51-33801A01	712
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51-40062-05	137A
51-40104S01	1488
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51-40167F01	4001B
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51-40242T01	4011B
51-40243T01	4001B
51-40308T01	1154
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51-41850J01	1006
51-42211P01	1170
51-42908J01	801
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51-43384A09	1170
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51-43684B	735
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51-43684B02	755
51-44157U01	1579
51-44774P01	1290
51-44789J01	1234
51-44789J02	1234
51-44795P01	1260§
51-44795P02	1261§
51-44837J01	1239
51-44837J02	1239
51-44837J04	1239
51-44905P01	1192
51-44908P01	1155
51-44909P01	981
51-44977P01	1100
51-60022-00	177
51-70177A01	798
51-70177A02	748A
51-70177A03	738
51-70177A05	749
51-70177A07	767§
51-70177B02	748A
51-80065C01	1288
51-82822F03	4001B
51-82822F06	4511B
51-82822F08	4011B
51-82822F11	4015B
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51-82822F23	4027B
51-82822F34	4520B
51-82822F40	4049
51-84320A09	772A
51-84320A12	778A
51-84320A13	941M
51-84320A16	912
51-84320A32	916
51-84320A35	955M
51-84320A51	834
51-84320A58	708
51-84688D29	974
51-84795G24	9944
51-84805E01	7400
51-84805E02	7404
51-84805E04	7410
51-84805E05	7420
51-84805E09	7490
51-84805E14	7402
51-84805E16	7408
51-84805E25	7475
51-90266A14	778A
51-90266A22	1560
51-90266A45	928M
51-90266A54	778A
51-90266A72	1623
51-90305A04	1186
51-90305A05	1187
51-90305A09	615A
51-90305A16	1614§
51-90305A20	1123
51-90305A21	1263
51-90305A22	1264
51-90305A23	1265
51-90305A24	1266
51-90305A25	1267
51-90305A26	1268
51-90305A27	1269
51-90305A28	1223
51-90305A29	1270
51-90305A30	9400§
51-90305A31	9200
51-90305A32	9401
51-90305A34	1408§
51-90305A37	1427
51-90305A39	1405
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51-90305A41	1425
51-90305A43	1412
51-90305A44	1419
51-90305A45	1622
51-90305A46	9402
51-90305A50	749
51-90305A59	615A
51-90305A60	1060
51-90305A61	712
51-90305A62	1408§
51-90305A65	1439
51-90305A66	1450
51-90305A69	1444§
51-90305A73	1421
51-90305A78	1248
51-90305A79	1224
51-90305A82	1442
51-90305A83	1249
51-90305A87	712
51-90305A88	1615
51-90305A90	749
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51-90433A11	4050B
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51-90433A13	4016B
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51-90433A28	1414
51-90433A30	958
51-90433A32	1428
51-90433A33	1400
51-90433A34	1422
51-90433A35	1419
51-90433A46	778A
51-90433A52	1620
51-90433A53	1607
51-90433A54	1234
51-90433A57	1060
51-90433A60	1162
51-90433A62	1550
51-90433A63	2061§
51-90433A66	1187
51-90433A99	1621
51-90458A01	1422
51-90458A03	1702
51-90458A06	1613
51-90458A07	834
51-90458A28	1930
51-90458A30	1440§
51-90458A34	2207
51-90458A37	1452
51-90458A50	1440§
51-90458A51	712
51-90458A52	1295
51-90458A55	1546
51-90458A56	1427
51-90458A65	1217
51-90458A66	1218
51-90458A67	1659
51-90458A84	778A
51-90458A88	4066B
51-90458A94	834
51-90480A07	960
51-90480A08	960
51-90480A09	1563
51-90480A16	4066B
51-90480A18	40097B
51-90480A20	1409
51-90480A31	1529
51-90480A33	1609
51-90480A46	962
51-90480A51	1425
51-90480A52	1439
51-90480A56	1410
51-90480A57	1410
51-90480A64	1551
51-90480A65	1727
51-90480A66	966
51-90480A87	1367
51-90480A93	1629
51-90480A94	1231
51-90480A95	1546
51-90480A96	1674
51-90495A14	1646§
51-90495A17	7406
51-90495A36	1560
51-90495A87	1612
51-90495A88	1747
51-90495A90	1683
51-90495A91	7416
51-90507A20	1234
51-90507A24	962
51-90507A35	9403
51-90507A39	928M
51-90507A40	928M
51-90507A59	943M
51-90507A60	1630
51-90507A71	1659
51-90507A84	4001B
51-90507A85	4071B
51-90507A87	1628
51-90507A92	4015B
51-90507A93	4024B
51-90507A97	4002B
51-90507A98	4012B
51-90507A99	4069
51-90508A35	9403
51-90518A07	960
51-90518A08	4040B
51-90518A10	1659
51-90518A11	1217
51-90518A28	4528B
51-90518A34	40097B
51-90518A36	4011B
51-90518A49	960
51-90518A54	1682
51-90518A69	955M
51-90518A71	2079
51-90518A84	1435
51-90518A97	1611
51-90528A01	928M
51-90528A21	1367
51-90528A26	986
51-90528A27	1747
51-90528A28	1683
51-90528A29	966
51-90528A32	834
51-90528A35	1176§
51-90528A36	1646§
51-90528A39	986
51-90528A41	1742
51-90528A43	1783
51-90528A49	960
51-90528A55	1811
51-90528A56	1812
51-90528A57	1813
51-90528A58	1828
51-90528A59	1829
51-90528A61	1814
51-90528A64	1787
51-90528A80	778A
51-90538A10	1818
51-90538A18	4027B
51-90538A20	1779
51-90538A22	966
51-90538A24	1561
51-90538A89	960

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
51-90544A55	1729
51-90555A46	1814
51-90555A50	1780
51-90555A53	1683
51-90555A60	4053B
51-110276A01	704
51-42908501	801
51-43639802	755
51A180-4	161
51A524004-01	941D
51C42908J01	801
51C43684B	735
51C43684B01	755
51C43684B02	755
51D0177A02	748A
51D170	102
51D176	102A
51D188	100
51D189	100
51D70177A01	798
51D70177A02	748A
51D70177A03	738
51D70177B02	748A
51G10679A03	738
51G10679A13	748A
51GX3	120
51GX14	120
51HQ045	6094
51IN60P	109
51IS34S	109
51M33801A01	1162
51M70177A01	798
51M70177A02	748A
51M70177A03	738
51M70177A05	749
51M70177A07	767§
51M70177B01	798
51M70177B02	748A
51N3M	180
51P2	126A
51P4	126A
51R04488D03	727
51-R800-65C01	1288
51R8432A09	772A
51R40000S13	1232
51R80065C01	1288
51R84320A	1115A
51R84320A02	724
51R84320A03	912
51R84320A05	912
51R84320A09	772A
51R84320A16	912
51R84320A32	916
51R84320A58	708
51RC10	5570
51RC20	5570
51RC30	5572
51RC40	5572
51RC50	5572
51RC60	5572
51RC80	5574
51S01422A	718
51S02185L	834
51S1S34	109
51S10G55A13	748A
51S1056FA01	722
51S1056GA01	722
51S10072A01	736
51S10276A01	704
51S10302A01	703
51S10382A	718
51S10382A01	718
51S10393A01	748A
51S10408A01	710
51S10422A	718
51S10422A01	718
51S10425A01	798
51S10427A02	718
51S10432A01	717
51S10437A01	718
51S10534A01	755
51S10534A03	755
51S10534A04	735
51S10536A01	912
51S10541A01	917
51S10553A01	917
51S10559A	722
51S10559A01	722
51S10566A01	722
51S10566A02	722
51S10592A01	722
51S10594A01	723
51S10600A	753§
51S10600A01	753§
51S10611A09	760
51S10611A10	OBS-NLA
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55-001	506
55-0014	OBS-NLA
55-006406-1	123AP
55-641	172A
55-642	128
55-643	129
55-1016	102A
55-1026	123A
55-1027	103A
55-1029	158
55-1031	158
55-1032	103A
55-1034	123A
55-1082	123A
55-1083	159
55-1083A	159
55-1084	128
55-1085	159
55-1085A	159
55-152579	159
55-509276-2	218
55-509276-4	218
55C025	5570
55C025B	5570
55C025BF	5575
55C025BIL	5570
55C025F	5575

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
55C025IL	5570
55C050	5570
55C050B	5570
55C050BIL	5570
55C050IL	5570
55C10	5570
55C10B	5570
55C10BF	5575
55C10BIL	5570
55C10F	5575
55C10IL	5570
55C15	5570
55C15B	5570
55C15BF	5575
55C15BIL	5570
55C15F	5575
55C15IL	5570
55C20	5570
55C20B	5570
55C20BF	5570
55C20BIL	5570
55C20F	5575
55C20IL	5570
55C25	5572
55C25B	5572
55C25BF	5577
55C25BIL	5572
55C25F	5577
55C25IL	5572
55C30	5572
55C30B	5572
55C30BF	5577
55C30BIL	5572
55C30F	5577
55C30IL	5572
55C35	5572
55C35B	5572
55C35BF	5577
55C35BIL	5572
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55C35IL	5572
55C40	5572
55C40B	5572
55C40BF	5577
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55C40IL	5572
55C45	5572
55C45B	5572
55C45BF	5577
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55C45IL	5572
55C50	5572
55C50B	5572
55C50BF	5577
55C50BIL	5572
55C50F	5577
55C50IL	5572
55C60	5572
55C60B	5572
55C60BF	5577
55C60BIL	5572
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55C60IL	5572
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55C70B	5574
55C70BF	5579
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55C100	5574
55C100B	5574
55C100BF	5579
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55C100F	5579
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55C112	5574
55C112B	5574
55C112BIL	5574
55C112IL	5574
55C120BF	5579
55C120F	5579
55P2	126A
55P3	126A
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55SI-MC14011BCP	4011B
55ST-2SD401AK	375
55SZ-RD3.3EB	5005A
55SZ-RD12EB	5021A
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55Z6A	5176A
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56-4	109
56-5	177
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56-11	109
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56-19	139A
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56-24	177
56-25	145A
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56-27	177
56-28	177
56-29	151A
56-31	138A
56-32	143A
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56-35	123A
56-36	5075A
56-44	135A
56-45	5079A
56-46	139A
56-47	146A
56-48	151A
56-50	5066A
56-51	142A
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56-53	141A
56-54	5072A
56-55	5086A
56-56	519
56-57	142A
56-58	5071A
56-59	135A
56-62	139A
56-63	5071A
56-66	5086A
56-67	140A
56-68	5092A
56-70	134A
56-71	5071A
56-72	5087A
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56-79	5084A
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56-97	138A
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56-605	5077A
56-627	5074A
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56-4824	234
56-4826	229
56-4827	199
56-4828	234
56-4829	199
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56-4832	177
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56-4839	116
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56-5560	605A
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56-8089C	123A
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56-8090C	123A
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56-8091B	102A
56-8091C	102A
56-8091D	102A
56-8092	102A
56-8092A	102A
56-8092B	102A
56-8093	109
56-8095	110MP
56-8096	138A
56-8097	116
56-8098	159
56-8098A	159
56-8098B	159
56-8098C	159
56-8099	158
56-8100	103A
56-8100A	103A
56-8100B	103A
56-8100C	103A
56-8100D	103A
56-8101	158
56-8196	199
56-8197	199
56-8198	116
56-8199	116
56-86412-3	184
56A1-1	703
56A-1-4051(Stern)	4051B
56A-1-4053(Stern)	4053B
56A-1-7401(Stern)	7401
56A-1-7406(Stern)	7406
56A-1-7474(Stern)	7474
56A-1-LS02(Stern)	74LS02
56A-1-LS04(Stern)	74LS04
56A-1-LS08(Stern)	74LS08
56A-1-LS10(Stern)	74LS10
56A-1-LS14(Stern)	74LS14
56A-1-LS20(Stern)	74LS20
56A-1-LS27(Stern)	74LS27
56A-1-LS32(Stern)	74LS32
56A-1-LS74(Stern)	74LS74A
56A-1-LS75(Stern)	74LS75
56A-1-LS86(Stern)	74LS86
56A-1-LS109(Stern)	74LS109A
56A-1-LS139(Stern)	74LS139
56A-1-LS153(Stern)	74LS153
56A-1-LS155(Stern)	74LS155
56A-1-LS161(Stern)	74LS161A
56A-1-LS244(Stern)	74LS244
56A-1-LS257(Stern)	74LS257
56A-1-LS273(Stern)	74LS273
56A-1-LS367(Stern)	74LS367
56A-1-S001(Stern)	3880
56A-2-0339(Stern)	834
56A-2-0555(Stern)	955M
56A-2-1458(Stern)	778A
56A-2-2002(Stern)	1232
56A-2-3340(Stern)	829
56A3-1	712
56A4-1	714
56A5-1	715
56A-5-7812(Stern)	966
56A-5-7815(Stern)	968
56A-5-7905(Stern)	961
56A6-1	790
56A-6-2114(Stern)	2114
56A-6-S001(Stern)	2104
56A7-1	147A
56A8-1	814A§
56A9-1	748A
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56A13-1	7445
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56A16-1	2028
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56A19-1	1187
56A20-1	783§
56A21-1	972
56A22-1	123A
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56A34-1	1574
56A35-1	974
56A37-1	74160
56A38-1	9602
56A40-1	778A
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56A42-1	1116
56A46-1	731
56A49-1	854§
56A49-2	854§
56A50-1	74393
56A51-1	9601
56A52-1	74LS629
56A55	830§
56A55-1	830§
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56A57-1	4042B
56A60-1	1783
56A65-1	1231
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56A67-1	4098B
56A68-1	4081B
56A70-1	4028B
56A74-1	1440§
56A75-1	1410
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56A137-1	1547
56A138-1	1572§
56A141-1	1743
56A141-4	1839
56A223-2	7013
56A265-1	4066B
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56A360-1	1855
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56B4-1	774
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56B6-1	790
56B8-1	814A§
56B9-1	748A
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56B13-1	7445
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56B49-2	854§
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56B68-1	4081B
56B70-1	4028B
56B74-1	1440§
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56B122-1	1231A
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56B141-4	1839
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56C5-1	715
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56C8-1	814A§
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56D6-1	790
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56D15-1	7490
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56D17-1	791
56D19-1	747
56D19-2	747
56D20-1	783§
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56D23-1	815
56D24-1	793
56D25-1	836
56D33-1	840
56D34-1	1574
56D35-1	974
56D36-1	7475
56D37-1	74160
56D38-1	9602
56D40-1	778A
56D41	923
56D41-1	923D
56D42-1	1116
56D46-1	731
56D49-1	854§
56D49-2	854§
56D50-1	74393
56D51-1	9601
56D52-1	74LS629
56D55	830§
56D56-1	4011B
56D57-1	4042B
56D60-1	1783
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56D66-1	4027B
56D67-1	4098B
56D68-1	4081B
56D70-1	4028B
56D74-1	1440§
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56D75-1A	1416
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56D107-1	1785
56D113-1	615A
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56D122-1	1231A
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56E34-1	1574
56E35-1	974
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56E40-1	778A
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56L101	714
56L102	715
56L103	790
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56L116	4028B
56L120	778A
56L122	4066B
56P1	160
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56P3	160
56P4	160
56P4P	160
56R-114-71	614
56R-114-72	109
56R-114-73	177
56R-114-74	5018A
56R-114-75	1234
56R-114-76	1155
56R-114-77	451
56R-114-78	107
56R-114-79	85
56R-114-80	289A
56R-114-81	85
56SI-TA7644BP	1547
56ST-LM2152	123AP
56ST-MJE9742	157
56SZ-120(AU)	5021A
56SZ-WZ120	5021A
56SZ-WZ120(AU)	5021A
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56Z3(MOV)	2V035
56Z6	5116A
56Z6A	5116A
57-0006	116
57-0004503	123A
57-0005452	123A
57-0005503	123A
57-000901504	123A
57-01491-B	123A
57-01491-C	128
57-01494C	128
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57-6	116
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57-42	156
57-42A	156
57-43	5809
57-46	116
57-49	5809
57-52	173BP§
57-55	5402
57-56	173BP§
57-58	116
57-59	116
57-60	116
57-61	231
57-62	230
57-64	125
57-65	116
57-83	532
57-90	530
57-98	530
57-100(MAG-Zener)	5019A
57-100(NAP-Zener)	5019A
57-110(NAP-Zener)	5020A
57-120(MAG-Zener)	5021A
57-160(MAG-Zener)	5025A
57-200(NAP-Zener)	5029A
57-220(NAP-Zener)	5030A
57-249(NAP-Zener)	5000A
57-330(MAG-Zener)	5036A
57-439(MAG-Zener)	5008A
57-439(NAP-Zener)	5008A
57-569(MAG-Zener)	5011A
57-629(NAP-Zener)	5013A
57-689(MAG-Zener)	5014A
57-829(MAG-Zener)	5016A
57-919(NAP-Zener)	5018A
57-4015-27	102A
57-4015-28	158
57-4018-60	130
57A1-1	109
57A1-2	109
57A1-3	103A
57A1-4	103A
57A1-5	103A
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57A2-47	175
57A2-48	160
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57A2-50	160
57A2-51	160
57A2-52	102A
57A2-58	175
57A2-59	123A
57A2-60	102A
57A2-61	158
57A2-62	123A
57A2-63	123A
57A2-64	123A
57A2-65	160
57A2-66	160
57A2-67	160
57A2-68	160
57A2-70	159
57A2-70A	159
57A2-71	159
57A2-71A	159
57A2-72	102A
57A2-73	123A
57A2-75	160
57A2-77	160
57A2-78	102A
57A2-80	160
57A2-83	102A
57A2-84	175
57A2-85	123A
57A2-87	123A
57A2-88	102A
57A2-89	160
57A2-90	160
57A2-93	160
57A2-97	123A
57A2-101	123A
57A2-102	123A
57A2-103	123A
57A2-104	160
57A2-105	160
57A2-113	123A
57A2-116	123A
57A2-126	123A
57A2-149	160
57A2-153	123A
57A2-157	160
57A2-158	160
57A2-159	160
57A2-192	123A
57A2-4	102A
57A3-1	159MCP
57A3-2	159MCP
57A3-3	103A + 102A(CP)
57A3-4	102A
57A3-5	102A
57A3-6	102A
57A3-7	104MP
57A3-8	104MP
57A3-9	104MP
57A3-10	104MP
57A3-11	104MP
57A3-12	121MP
57A3-13	159MCP
57A4-1	121
57A4-2	121
57A4-4	121
57A5	103
57A5-1	126A
57A5-2	126A
57A5-3	102A
57A5-4	126A
57A5-5	102A
57A5-6	108
57A5-7	108
57A5-8	108
57A5-9	126A
57A5-10	126A
57A6-1	102
57A6-2	121
57A6-3	121
57A6-4	123A
57A6-5	103A
57A6-6	103
57A6-6A	100
57A6-6B	100
57A6-6C	100
57A6-7	123

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
57A6-8	121
57A6-9	123A
57A6-10	124
57A6-11	123A
57A6-12	121
57A6-14	124
57A6-15	129
57A6-16	126A
57A6-17	123
57A6-18	159MCP
57A6-19(Diode)	120
57A6-19(Transistor)	123
57A6-20	103A
57A6-21	103A
57A6-22	102
57A6-23	121
57A6-24	124
57A6-25	102A
57A6-26	129
57A6-26A	128
57A6-27	123
57A6-28	159MCP
57A6-29	123
57A6-30	123
57A6-31	129
57A6-31A	129
57A6-32	123
57A6-33	129
57A6-33A	129
57A6-34	129MCP
57A6(NPN)	199
57A6(PNP)	102
57A7-1	108
57A7-2	108
57A7-3	108
57A7-4	108
57A7-5	108
57A7-6	108
57A7-7	108
57A7-8	128
57A7-9	123A
57A7-10	123A
57A7-15	123A
57A7-17	123A
57A7-18	123A
57A7-20	123A
57A9-1	160
57A9-2	121
57A10-1	108
57A10-2	108
57A10A-8-6	108
57A11-1	123A
57A12-1	154
57A12-2	154
57A12-3	175
57A12-4	128
57A12-5	175
57A14-1	128
57A14-2	128
57A14-3	128
57A15-1	123A
57A15-2	123A
57A15-3	123A
57A15-4	123A
57A15-5	159
57A15-50	159
57A16	126A
57A16-1	123A
57A19	159
57A19-1	159
57A19-1A	159
57A19-2	159
57A19-3	159
57A19-10	159
57A19-20	159
57A19-30	159
57A20-1	108
57A21	107
57A21-1	108
57A21-2	108
57A21-3	108
57A21-4	108
57A21-5	108
57A21-6	108
57A21-7	108
57A21-8	123A
57A21-9	108
57A21-10	108
57A21-12	107
57A21-13	107
57A21-14	107
57A21-15	108
57A21-16	161
57A21-17	161
57A21-18	161
57A21-45	107
57A22-1	179
57A22-2	179
57A23	129
57A23-1	129
57A23-2	129
57A23-3	129
57A24	161
57A24-1	123A
57A24-2	123A
57A24-3	123A
57A24-4	123A
57A27-1	123A
57A27-2	108
57A28	704
57A29	706
57A29-1	706
57A29-2	706
57A31-1	312
57A31-4	312
57A32-1	724
57A32-2	1142
57A32-3	1039
57A32-10	722
57A32-11	1075A
57A32-16	722
57A32-19	1103
57A32-21	799
57A32-22	720
57A32-25	1124
57A32-27	1124
57A32-28	1142
57A32-29	1142
57A32-32	801
57A33-1	159MCP
57A68	102A
57A100-3	103A + 102A(CP)
57A100-5	103A + 102A(CP)
57A100-7	102A
57A100-11	131
57A100-385	103A + 102A(CP)
57A101-4	108
57A102-4	161
57A103-4	161
57A104-1	154
57A104-2	154
57A104-3	154
57A104-4	154
57A104-5	154
57A104-6	154
57A104-7	154
57A104-8	154
57A104-8-6	128
57A105-12	123A
57A106-12	159
57A107-1	1545
57A107-2	108
57A107-3	108
57A107-4	108
57A107-5	108
57A107-6	108
57A107-8	108
57A108-1	106
57A108-2	106
57A108-3	106
57A108-4	106
57A108-5	106
57A108-6	106
57A108-6-8	129
57A108-6A	159
57A108-7	106
57A108-8	106
57A109-9	128
57A110-9	129
57A111-9	129MCP
57A112-9	129
57A112-9A	129
57A113-9	128
57A114-9	129
57A114-9A	129
57A115-9	129
57A115-9A	129
57A116-9	129
57A116-9A	129
57A117-9	123A
57A118-12	123A
57A119-2	161
57A119-12	123A
57A120-12	123A
57A121-9	123A
57A122-9	129
57A122-9A	159
57A123-10	175
57A124-10	104
57A125-9	123A
57A126	102
57A126-12	107
57A127	157
57A128-9	128
57A129-9	128
57A130	126A
57A130-9	129
57A130-9A	159
57A131	126A
57A131-10	128
57A132	126A
57A132-9	160
57A132-10	129
57A132-29	1142
57A133-12	159
57A134-12	108
57A135-12	123A
57A136-1	154
57A136-2	154
57A136-3	154
57A136-4	154
57A136-5	154
57A136-6	154
57A136-7	154
57A136-8	154
57A136-9	154
57A136-10	154
57A136-11	154
57A136-12	123A
57A137-12	159
57A137-12A	159
57A138-4	319P
57A138-4-6	319P
57A138-4(3RD IF)	233
57A138-4(Last IF)	233
57A139-1	161
57A139-2	161
57A139-3	161
57A139-4	319P
57A139-4-6	108
57A140-12	123A
57A141-1	108
57A141-2	108
57A141-3	108
57A141-4	161
57A142-1	108
57A142-2	199
57A142-3	108
57A142-4	233
57A142-4(3RDIF)	233
57A142-7	161
57A143	102
57A143-1	108
57A143-2	108
57A143-3	108
57A143-4	108
57A143-5	108
57A143-6	108
57A143-7	108
57A143-8	108
57A143-9	108
57A143-10	108
57A143-11	108
57A143-12	199
57A144-12	199
57A145-12	159
57A145-12A	159
57A146-12	108
57A147-12	159
57A147-12A	159
57A148-1	102A
57A148-2	129
57A148-3	129
57A148-4	129
57A148-5	129
57A148-6	129
57A148-7	129
57A148-8	129
57A148-9	129
57A148-10	129
57A148-11	129
57A148-12	159
57A148-12A	129
57A149-12	312
57A150-12	312
57A151-6	108
57A152-1	123A
57A152-2	123A
57A152-3	123A
57A152-4	123A
57A152-5	123A
57A152-6	123A
57A152-7	123A
57A152-8	123A
57A152-9	123A
57A152-10	123A
57A152-11	123A
57A152-12	108
57A153-1	123A
57A153-2	123A
57A153-3	123A
57A153-4	123A
57A153-5	123A
57A153-6	123A
57A153-7	123A
57A153-8	123A
57A153-9	123A
57A155-10	175
57A156	128
57A156-9	123A
57A157	159
57A157-9	159
57A157-9A	159
57A157-90	159
57A158-1	124
57A158-2	124
57A158-3	124
57A158-5	124
57A158-6	124
57A158-7	124
57A158-8	124
57A158-9	124
57A158-10	124
57A159-12	159
57A159-12A	159
57A160-1	108
57A160-2	108
57A160-3	108
57A160-4	108
57A160-8	154
57A164-4	161
57A166-12	123A
57A167-9	192§
57A168	126A
57A168-9	193
57A169	102
57A170	102
57A172-8	190
57A174-8	159
57A175-12	159
57A177-12	161
57A178-12	159
57A179-4	107
57A180	160
57A180-4	229
57A180-4(3RDIF)	233
57A181-12	123AP
57A182-12	123AP
57A183-11	154
57A184	160
57A184-1	123AP
57A184-12	123A
57A185-12	159
57A186	126A
57A186-11	165
57A186-12	165
57A187	160
57A187-12	291
57A188	160
57A188-12	292
57A189	102
57A189-8	159
57A191-12	123A
57A192-10	124
57A192-11	171
57A193-11	171
57A194-11	154
57A194-11(Pulse)	154
57A194-12	5404
57A195-10	124
57A196-10	94
57A197-12	159
57A198-11	165
57A199-4	123A
57A199-11	165
57A200-12	123A
57A201-13	123A
57A201-14	159
57A202-13	123A
57A203-14	123A
57A204-14	123A
57A205-14	375
57A206-14	398
57A207-8	154
57A208-9	171
57A211-8	190
57A213-11	165
57A214-12	188
57A215-12	159
57A216-12	159
57A219-14	289A
57A220-14	290A
57A235-12	159
57A236-11	171
57A240-14	290A
57A241-14	289A
57A243-10	5404
57A244-14	196
57A245-14	197
57A249-4	161
57A250-14	152
57A251-14	197
57A252-1	123A
57A253-14	123A
57A256-10(Horiz.)	283
57A256-10(REG)	94
57A258-8	159
57A259-10	5404
57A261-10	154
57A263-11	238
57A265-4	123A
57A267-4	222
57A268-9	123A
57A273-14	263
57A274-14	262
57A277-14	398
57A278-14	375
57A279-4	376
57A279-14	376
57A280-14	289A
57A281-14	159
57A282-12	123A
57A283-11	154
57A285-10	5609
57A286-10	152
57A287-10	152
57A288-10	153
57A289-10	152
57A290-12	312
57A294-12	123AP
57A295-8	171
57A296-10	375
57A302-10	283
57A303-10	152
57A305-12	159
57A309-12	461
57A310-14	292
57A311-14	291
57A312-11	171
57A313-11	165
57A315-10	197
57A401-11	379
57A402-4	161
57A402-L	107
57A403-12	159
57A404-12	297
57A405-12	298
57A411-3(SGD)	459
57A413-1	287
57A418-10	86
57A419-GR	85
57A419-GY	85
57A419-P	85
57A419-P-Q	85
57A419-Q	85
57A419-Y	85
57A420-GR	290A
57A420-P	290A
57A420-P-Q	290A
57A420-Q	290A
57A421-11	379
57A422-8	399
57A423-8	255
57A423-8(Plastic)	399
57A423-8T	399
57A424-11	89
57A428-8	375
57A428-12	375
57A428-12P	375
57A429-8	398
57A429-12	398
57A429-12P	398
57A433-1	100
57A434-1	123A
57A446-1	289A
57A446-2	289A
57A458-O	290A
57A459-Y	399
57A460-11	2302
57A460-12	2302
57A460-15	2302
57A485-1	398
57A493-10	287
57A507-2	85
57A560-1	2333◆
57A1127	102A
57A1130	160
57A1131	160
57A1132	160
57A1143	102A
57A1186	160
57A2141-14	128
57B2-1	160
57B2-2	160
57B2-3	158
57B2-4	158
57B2-5	103
57B2-6	102A
57B2-7	158
57B2-8	103A
57B2-9	160
57B2-10	158
57B2-11	160
57B2-12	102A
57B2-13	160
57B2-14	160
57B2-15	158
57B2-16	158
57B2-17	160
57B2-18	160
57B2-19	160
57B2-20	160
57B2-21	158
57B2-22	160
57B2-23	102A
57B2-24	102A
57B2-25	158
57B2-26	160
57B2-27	123A
57B2-28	123A
57B2-29	102A
57B2-30	160
57B2-31	160
57B2-32	102A
57B2-33	102A(2)
57B2-34	102A
57B2-35	160
57B2-36	102A
57B2-37	160
57B2-38	128
57B2-39	102A
57B2-40	160
57B2-41	160
57B2-42	160
57B2-43	102A
57B2-44	102A
57B2-45	102A
57B2-46	102A(2)
57B2-47	175
57B2-48	160
57B2-49	103A + 102A(CP)
57B2-50	160
57B2-51	160
57B2-52	102A
57B2-58	175
57B2-59	123A
57B2-60	102A
57B2-61	158(2)
57B2-62	123A
57B2-63	123A
57B2-64	123A
57B2-65	160
57B2-66	160
57B2-67	160
57B2-68	160
57B2-70	159
57B2-70A	159
57B2-71	159
57B2-71A	159
57B2-72	102A
57B2-73	123A
57B2-75	160
57B2-77	160
57B2-78	102A
57B2-80	160
57B2-83	102A
57B2-84	175
57B2-85	123A
57B2-87	123A
57B2-88	102A
57B2-89	160
57B2-90	160
57B2-93	160
57B2-97	123A
57B2-101	123A
57B2-102	123A
57B2-103	123A
57B2-104	160
57B2-105	160
57B2-113	123A
57B2-116	123A
57B2-126	123A
57B2-149	160
57B2-153	123A
57B2-157	160
57B2-158	160
57B2-159	160
57B2-192	123A
57B3-2	159MCP
57B3-4	102A
57B3-5	102A
57B3-6	102A
57B3-7	104MP
57B3-8	104MP
57B3-9	104MP
57B3-10	104MP
57B3-11	104MP
57B3-12	121MP
57B4-1	121
57B4-2	121
57B4-4	121
57B6	102
57B21	108
57B21-1	108
57B21-2	108
57B21-3	108
57B21-4	108
57B21-5	108
57B21-6	161
57B21-7	161
57B21-9	107
57B21-12	108
57B21-13	108
57B21-14	108
57B21-15	108
57B21-16	108
57B21-17	161
57B21-18	108
57B100-3	103A + 102A(CP)
57B100-5	103A + 102A(CP)
57B100-7	102A
57B100-11	131
57B100-385	103A + 102A(CP)
57B101-4	108
57B102-4	161
57B103-4	161
57B104-8	154
57B105-12	123A
57B106-12	159
57B107-1	1545
57B107-8	123A
57B108-6	159
57B108-6A	159
57B109-9	128
57B110-9	129
57B111-9	129MCP
57B112-9	129
57B112-9A	129
57B113-9	128
57B114-9	129
57B114-9A	129
57B115-9	129
57B115-9A	129
57B116-9	129
57B116-9A	129
57B117-9	123A
57B118-12	123A
57B119-2	161
57B119-12	123A
57B120-12	123A
57B121-9	123A
57B122-9	159
57B122-9A	159
57B123-10	175
57B124-10	104
57B125-9	123A
57B126-12	123A
57B128-9	128
57B129-9	123A
57B130-9	159
57B130-9A	159
57B131-10	152
57B132-10	153
57B133-12	159
57B134-12	108
57B135-12	123A
57B136-1	154
57B136-2	154
57B136-3	154
57B136-4	154
57B136-5	154
57B136-6	154
57B136-7	154
57B136-8	154
57B136-9	154
57B136-10	154
57B136-11	154
57B136-12	123A
57B137-12	159
57B137-12A	159
57B138-4	319P
57B138-4(Last IF)	233
57B139-4	319P
57B140-12	123A
57B141-1	108
57B141-2	108
57B141-3	108
57B141-4	161
57B142-1	108
57B142-2	108
57B142-3	108
57B142-4	233
57B143-1	108
57B143-2	108
57B143-3	108
57B143-4	108
57B143-5	108
57B143-6	108
57B143-7	108
57B143-8	108
57B143-9	108
57B143-10	108
57B143-11	108
57B143-12	123A
57B144-12	123A
57B145-12	159
57B145-12A	159
57B146-12	123A
57B147-12	159
57B147-12A	159
57B148-1	129
57B148-2	129
57B148-3	129
57B148-4	129
57B148-5	129
57B148-6	129
57B148-7	129
57B148-8	129
57B148-9	129
57B148-10	129
57B148-11	129
57B148-12	129
57B148-12A	129
57B149-12	312
57B150-12	312
57B151-6	108
57B152-1	123A
57B152-2	123A
57B152-3	123A
57B152-4	123A
57B152-5	123A
57B152-6	123A
57B152-7	123A
57B152-8	123A
57B152-9	123A
57B152-10	123A
57B152-11	123A
57B152-12	108
57B153-1	123A
57B153-2	123A
57B153-3	123A
57B153-4	123A
57B153-5	123A
57B153-6	123A
57B153-7	123A
57B153-8	123A
57B153-9	123A
57B155-10	175
57B156-9	123A
57B157-9	159
57B157-9A	159
57B158-1	124
57B158-2	124
57B158-3	124
57B158-4	124
57B158-5	124
57B158-6	124
57B158-7	124
57B158-8	124
57B158-9	124
57B158-10	175
57B159-12	159
57B159-12A	159
57B160-1	108
57B160-2	108
57B160-3	108
57B160-4	108
57B160-5	108
57B160-6	108
57B160-7	108
57B160-8	108
57B163-12	129
57B163-12A	129
57B165-11	128
57B166-12	108
57B167-9	128
57B168	102A
57B168-9	129
57B169	102A
57B169-12	312
57B170	102A
57B170-9	128
57B171-9	129
57B172-8	190
57B175-9	130
57B175-9A	130
57B175-12	159
57B178-12	159
57B179-4	107
57B180	160
57B180-4	233
57B181-12	123AP
57B182-12	123A
57B184	160
57B184-1	123AP
57B184-12	123A
57B185-12	159
57B186-11	238
57B187	160
57B187-12	291
57B188	160
57B188-12	292
57B189-8	159
57B191-12	123A
57B192-10	124
57B193-11	171
57B194-11	123A
57B194-12	154
57B195-10	124
57B196-10	94
57B197-12	159
57B198-11	165
57B199-11	165
57B200-12	123A
57B201-14	159
57B202-13	123A
57B203-14	199
57B205-14	375
57B206-14	398
57B207-8	154
57B208-8	171
57B211-8	190
57B213-11	165
57B214-12	188
57B215-12	159
57B216-12	159
57B219-14	289A
57B220-14	290A
57B235-12	159
57B236-11	171
57B240-14	290A
57B241-14	289A
57B243-10	5404
57B244-14	196
57B245-14	197
57B249-4	161
57B250-14	152
57B251-14	197
57B253-14	123A
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57B258-8	159
57B261-10	154
57B263-11	238
57B265-4	123A
57B267-4	222
57B268-4	123A
57B268-9	123A
57B273-14	263
57B274-14	262
57B277-14	398
57B278-14	375
57B279-4	376
57B279-14	376
57B280-14	289A
57B281-14	290A
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57B287-10	152
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57B289-10	152
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57B302-10	153
57B303-10	152
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57B311-14	375
57B315-10	197
57B316-10	86
57B402-4	107
57B402-L	107
57B413-1	287
57B418-10	86
57B419-GR	85
57B419-GY	85
57B419-P	85
57B419-P-Q	85
57B419-Q	85
57B419-Y	85
57B420-GR	290A
57B420-P	290A
57B420-P-Q	290A
57B420-Q	290A
57B421-11	379
57B422-8	399
57B423-8	255
57B423-8(Plastic)	399
57B424-11	89
57B428-8	375
57B428-12	375
57B428-12P	375
57B429-8	398
57B429-12	398
57B429-12P	398
57B433-1	100
57B434-1	123A
57B446-1	289A
57B446-2	289A
57B458-O	290A
57B459-Y	399
57B460-11	2302
57B460-12	2302
57B485-1	398
57B493-10	287

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
57B507-2	85
57B560-1	2333◆
57B1127	102A
57B1130	160
57B1131	160
57B1143	102A
57B1186	160
57C5	103
57C5-1	126A
57C5-3	102A
57C5-4	126A
57C5-5	102A
57C5-6	108
57C5-7	108
57C5-8	108
57C5-9	126A
57C5-10	126A
57C6	199
57C6-1	102
57C6-2	121
57C6-3	121
57C6-4	123A
57C6-5	103A
57C6-6	103
57C6-6A	100
57C6-6B	100
57C6-6C	100
57C6-7	123
57C6-8	121
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57C6-16	126A
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57C6-19	123
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57C6-23	121
57C6-24	124
57C6-25	102A
57C6-26	129
57C6-26A	129
57C6-27	123
57C6-28(MCP)	159MCP
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57C6-33	129
57C6-33A	129
57C6-34	129MCP
57C6-134	129MCP
57C7-1	108
57C7-2	108
57C7-3	108
57C7-4	108
57C7-5	108
57C7-6	108
57C7-7	108
57C7-8	128
57C7-9	123A
57C7-10	123A
57C7-15	123A
57C7-17	123A
57C7-18	123A
57C7-20	123A
57C9-2	121
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57C10-2	108
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57C12-4	128
57C12-5	175
57C14-1	128
57C14-2	128
57C14-3	128
57C15-1	123A
57C15-2	123A
57C15-3	123A
57C15-4	123A
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57C15-50	159
57C16	126A
57C16-1	123A
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57C19-1A	159
57C20-1	108
57C21	107
57C21-5	107
57C22-1	179
57C22-2	179
57C23	129
57C23-1	129
57C23-2	129
57C23-3	129
57C24-1	123A
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57C24-3	123A
57C24-4	123A
57C27-1	123A
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57C28	704
57C29	706
57C29-1	706
57C29-2	706
57C68	102A
57C107-1	1545
57C109-9	128
57C110-9	129
57C121-9	123A
57C122-9	129
57C142-4	161
57C148-12	129
57C148-12A	129
57C156-9	123A
57C157-9	159
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57C184-1	123AP
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57C205-14	375
57C206-14	998
57C208-8	171
57C263-11	238
57C277-14	398
57C278-14	375
57C279-4	376
57C279-14	376
57C283-11	154
57C285-10	5609
57C296-10	375
57C402-L	107
57C413-1	287
57C418-10	86
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57C419-GY	85
57C419-P	85
57C419-P-Q	85
57C419-Q	85
57C419-Y	85
57C420-GR	290A
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57C420-P-Q	290A
57C420-Q	290A
57C421-11	379
57C422-8	399
57C423-8	255
57C423-8(Plastic)	399
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57C429-12P	398
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57C459-Y	399
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57C507-2	85
57C560-1	2333◆
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57D24-2	108
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57D29-2	706
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57D107-1	1545
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57D126	102
57D127	157
57D130	126A
57D131	126A
57D132	126A
57D132-9	160
57D136-12	123A
57D143	102
57D156	102
57D168	126A
57D169	102
57D170	102
57D179-4	107
57D180	100
57D181-12	123AP
57D184	100
57D186	126A
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57D419-Y	85
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57D420-P-Q	290A
57D420-Q	290A
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57D429-12P	398
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57D459-Y	399
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57D460-12	2302
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57D1131	160
57D1132	160
57D1143	102
57D1186	160
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57DG-32	121
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57M2-17	154
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57M3-12	131
57P1	102
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57RECT-SI-1021(AU)	552
57RECT-SI-1021(Au)	552
57S-06	5070A
57SI-HA11423	1471
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57Z6A	5178A
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58-1(Truetone)	123A
58B2-14	160
58R-104-02	85
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58R-104-86	1226
58R-104-87	155
58R-104-88	451
58R-104-89	107
58R-104-90	85
58R-104-91	289A
58R-104-93	293
58R-300-81	612
58R-300-82	177
58R-300-83	5018A
58R-300-85	1248◆
58R-300-86	1285§
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58SI-LM393P	943M
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59B402787	9914
59B402788	9974§
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59SD-1N34A(AU)	109
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60-83924L02	129P
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60C	116
60D	116
60DC15	6026
60DE10	125
60F1	5842
60F5	5862
60FC15	6034
60GC15	6034
60H	116
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60HR3P	5822
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60LC15	6042
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60MQ40	6094
60NG15	6044
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60P22204	191
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60S10	5817
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60SB04S	6094
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61-7728	116
61-8035(Exidy)	430
61-8062(Exidy)	416
61-8162(Exidy)	428
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61-8969	118
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61B003-1	126A
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61B022-3	102A
61B023-1	102A
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61B2Z	783§
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61C001-11	1269
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61C001-16	9401
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61C001-18	1408§
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61C001-31	712
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61C001-33	1425
61C001-34	1421
61C001-35	1412
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61C66-2	HiDiv-1
61C66-3	HiDiv-1
61C66-4	HiDiv-1
61C66-5	HiDiv-1
61C66-6	HiDiv-1
61C66-7	HiDiv-1
61C66-8	HiDiv-1
61C66-9	HiDiv-1
61C66-10	HiDiv-1
61D72-1	HiDiv-12
61D72-2	HiDiv-12
61D72-3	HiDiv-12
61E01	5075A
61E02	5022A
61E03	5066A
61E04	5093A
61E05	5070A
61E06	5096A
61E07	5075A
61E08	147A
61E09	5090A
61E10	5010A
61E11	5082A
61E12	146A
61E13	5068A
61E14	5096A
61E15	5018A
61E16	5095A
61E17	5001A
61E18	5027A
61E19	5067A
61E20	146A
61E21	5129A
61E22	5029A
61E23	5010A
61E24	5028A
61E25	5014A
61E26	5031A
61E27	5012A
61E28	5141A
61E30	148A
61E31	5022A
61E32	5016A
61E33	5027A
61E34	5117A
61E35	5137A
61E36	137A
61E37	5077A
61E38	136A
61E39	5135A
61E40	5010A
61E41	135A
61E42	5071A
61E43	5006A
61E44	5115A
61J001-1	123A
61J002-1	123A
61J003-1	123A
61J004-1	102A
61J2	116
61K001-9	1011§
61K001-10	801
61K001-12	1011§
61K001-13	1185
61L001-3	1213§
61L001-5	1257
61L001-6	1258§
61L001-8	1251§
61MQ30	6094‡
61MQ40	6094‡
61P1	126A
61P1D	160
61P10	126A
61SI-SN74145N	74145
61ST-BC557B(CBE)	159
61T4	5401
61Z6	5122A
61Z6A	5183A
62-7567	123A
62-8781	160
62-10234	109
62-10655	109
62-12034	109
62-13258	102A
62-13259	103A
62-13261	116
62-13477	116
62-13494	102A
62-15318	109
62-15483	116
62-16013	113A
62-16711	116
62-16712	113A
62-16769	109
62-16841	109
62-16905	123A
62-16918	102A
62-16919	175
62-17232	112
62-17390	160
62-17391	160
62-17550	123A
62-18135	116
62-18337	113A
62-18415	100
62-18416	100
62-18417	109
62-18418	160
62-18419	160
62-18420	102A
62-18421	102A
62-18422	160
62-18423	100
62-18424	100
62-18425	123A
62-18426	154
62-18427	104
62-18428	121
62-18429	179
62-18430	102A
62-18431	116
62-18434	116
62-18435	116
62-18436	116
62-18438	116
62-18641	123A
62-18642	123A
62-18643	123A
62-18782	177
62-18828	123A
62-19115	116
62-19260	112
62-19280	123A
62-19452	159
62-19516	123A
62-19548	123A
62-19581	107
62-19620	112
62-19734	113A
62-19749	116
62-19814	116
62-19837	123A
62-19838	123A
62-19846	109
62-20154	159
62-20154A	159
62-20155	123A
62-20223	177
62-20240	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
62-20241	123A
62-20242	123A
62-20243	123A
62-20244	159
62-20244A	159
62-20319	177
62-20360	123A
62-20437	177
62-20565	119
62-20597	177
62-20643	145A
62-21369	116
62-21496	123A
62-21552	177
62-21573	5103A
62-21574	5077A
62-21586	711
62-21587	712
62-22038	123A
62-22039	123A
62-22250	123A
62-22251	123A
62-22529	106
62-26597	177
62-26851	160
62-100092	123A
62-100093	123A
62-100292	199
62-100412	116
62-100449	358
62-100471	113A
62-100520	116
62-100581	113A
62-100617	116
62-100624	116
62-100678	126A
62-100693	102A
62-100768	5521
62-100844	109
62-101078	160
62-101087	160
62-101089	126A
62-101119	123A
62-101154	177
62A01	116
62A02	116
62A04	116
62A05	116
62A11868	123A
62A11871	159
62B046-1	152
62B046-2	152
62B046-3	152
62B046-4	152
62J2	116
62R2R	5944
62ST-2SC458	85
62ST-2SC458C	85
62T4	5402
62VB10	5313
62Z6	5124A
62Z6A	5124A
63-3954	160
63-5058	5105A
63-7246	158
63-7247	102A
63-7248	103A
63-7396	102A
63-7397	102A
63-7398	102A
63-7399	102A
63-7420	102A
63-7421	123A
63-7433	116
63-7538	160
63-7541	160
63-7547	100
63-7548	160
63-7549	103A
63-7564	102A
63-7565	103A
63-7567	123A
63-7579	160
63-7580	160
63-7581	160
63-7582	160
63-7596	102A
63-7660	160
63-7670	123A
63-7871	102A
63-7872	102A
63-7873	102A
63-8119	160
63-8120	158
63-8376	160
63-8377	160
63-8378	160
63-8379	160
63-8380	102A
63-8381	109
63-8473	103A
63-8512	175
63-8555	123A
63-8590	121
63-8676	HiDiv-4
63-8677	HiDiv-4
63-8678	HiDiv-4
63-8679	HiDiv-4
63-8680	HiDiv-4
63-8681	HiDiv-4
63-8685	116
63-8699	160
63-8700	160
63-8701	123A
63-8702	123A
63-8703	102A
63-8704	102A
63-8705	103A
63-8706	121
63-8707	130
63-8707A	130
63-8819	5809
63-8824	116
63-8825	5072A
63-8945	175
63-8954	160
63-8955	109
63-8970	HiDiv-4
63-8971	HiDiv-4
63-8972	HiDiv-4
63-8973	HiDiv-4
63-8974	HiDiv-4
63-8975	HiDiv-4
63-8976	HiDiv-4
63-9072	160
63-9337	123A
63-9338	123A
63-9339	123A
63-9340	103A
63-9341	123A
63-9516	123A
63-9517	160
63-9518	123A
63-9519	102A
63-9520	102A
63-9521	102A
63-9523	109
63-9659	102A
63-9664	160
63-9665	160
63-9783	5072A
63-9787	5809
63-9829	123A
63-9830	123A
63-9831	123A
63-9832	123A
63-9833	123A
63-9847	123A
63-9876	160
63-9877	160
63-9893	HiDiv-3
63-9894	HiDiv-1
63-9895	HiDiv-1
63-9895-1	HiDiv-12
63-9896	HiDiv-3
63-9897	HiDiv-3
63-9898	HiDiv-3
63-9898-02	HiDiv-3
63-9941	160
63-9942	142A
63-10026-01(Exidy)	519
63-10035	160
63-10036	160
63-10037	102A
63-10038	102A
63-10062	175
63-10064	116
63-10145	160
63-10146	160
63-10147	102A
63-10148	160
63-10149	160
63-10150	160
63-10151	102A
63-10152	102A
63-10153	102A
63-10154	102A
63-10156	102A
63-10158	102A
63-10159	102A
63-10188	123A
63-10195	160
63-10196	160
63-10200	100
63-10375	160
63-10376	160
63-10377	123A
63-10378	121
63-10383	103A
63-10384	158
63-10408	102A
63-10708	123A
63-10709	116
63-10725	123A
63-10732	123A
63-10733	123A
63-10734	123A
63-10735	123A
63-10736	123A
63-10737	123A
63-10739	109
63-10860	123A
63-11025	123A
63-11055	160
63-11073	158
63-11074	109
63-11143	123A
63-11144	102A
63-11147	5071A
63-11148	167
63-11215	5809
63-11289	123A
63-11290	175
63-11291	116
63-11468	123A
63-11469	123A
63-11470	123A
63-11471	123A
63-11472	123A
63-11474	102A
63-11496	160
63-11497	158
63-11582	160
63-11584	160
63-11585	100
63-11586	102A
63-11659	5071A
63-11660	123A
63-11661	102A
63-11757	123A
63-11758	123A
63-11759	123A
63-11762	125
63-11831	123A
63-11832	123A
63-11833	123A
63-11878	175
63-11879	109
63-11881	116
63-11916	123A
63-11934	123A
63-11935	123A
63-11936	128
63-11937	123A
63-11938	175
63-11957	116
63-11989	128
63-11990	185
63-11991	130
63-11991A	130
63-12003	123A
63-12004	123A
63-12062	123A
63-12077	5809
63-12110	5071A
63-12154	159
63-12154A	159
63-12156	159
63-12156A	159
63-12157	159
63-12157A	159
63-12158	109
63-12272	123A
63-12273	162
63-12287	167
63-12316	102A
63-12317	102A
63-12366	125
63-12605	123A
63-12607	109
63-12608	123A
63-12609	123A
63-12610	160
63-12641	123A
63-12642	123A
63-12645	109
63-12669	158
63-12670	158
63-12696	123A
63-12697	123A
63-12698	158
63-12706	123A
63-12707	123A
63-12750	123A
63-12751	123A
63-12752	123A
63-12753	123A
63-12754	109
63-12755	109
63-12756	109
63-12757	109
63-12874	123A
63-12875	123A
63-12876	102A
63-12877	123A
63-12878	123A
63-12879	123A
63-12880	102A
63-12881	102A
63-12933	123A
63-12940	123A
63-12941	123A
63-12942	123A
63-12943	123A
63-12945	158
63-12946	123A
63-12947	158
63-12948	123A
63-12949	123A
63-12950	123A
63-12951	123A
63-12952	123A
63-12953	123A
63-12954	175
63-12989	128
63-12990	128
63-13025	160
63-13080	109
63-13214	128
63-13215	128
63-13216	162
63-13322	159
63-13322A	159
63-13323	158
63-13419	123A
63-13438	123A
63-13440	123A
63-13441	123A
63-13839	160
63-13840	102A
63-13842	109
63-13864	123A
63-13899	160
63-13903	116
63-13919	116
63-13926	312
63-13927	123A
63-13954	162
63-14032	123A
63-14051	123A
63-14052	123A
63-14057	123A
63-14135	727
63-14195	116
63-15345	718
63-15483	116
63-16918	123A
63-17390	160
63-18135	5809
63-18416	100
63-18418	160
63-18419	160
63-18420	102A
63-18421	102A
63-18423	160
63-18424	160
63-18427	104
63-18430	102A
63-18643	123A
63-19173	173BP§
63-19280	123A
63-19282	123A
63-22724	109
63-23041	102A
63-25179	102A
63-25180	102A
63-25181	102A
63-25182	102A
63-25261	158
63-25281	102A
63-25282	102A
63-25342	110MP
63-25720	102A
63-25726	160
63-25727	102A
63-25728	102A
63-25729	102A
63-25933	109
63-25942	102A
63-25944	102A
63-25946	100
63-26382	109
63-26597	116
63-26849	100
63-26850	160
63-26851	102A
63-27278	100
63-27279	100
63-27280	100
63-27281	102A
63-27366	160
63-27367	100
63-27483	5809
63-27500	160
63-27622	116
63-28250	109
63-28348	160
63-28358	160
63-28390	102A
63-28399	102A
63-28426	154
63-28888	109
63-29383	5809
63-29451	121
63-29459	121
63-29461	123A
63-29661	160
63-29662	100
63-29663	100
63-29664	100
63-29665	102A
63-29666	102A
63-29819	160
63-29820	160
63-29821	160
63-29862	160
63-29863	100
63-250128-2	112
63J2	116
63N1	163A
63N50	105
63P3	102
63RECT-S1-1021	552
63RECT-SI-1021	552
63Z6	5186A
63Z6A	5186A
64-J2	116
64N1	162
64R2	5878
64RECT-S1-1001	116
64-RECT-S1-1001(AU)	116
64RECT-SI-1001(Au)	116
64RECT-U-1012	5305
64T1	100
64T4	5404
64Z6	5187A
64Z6A	5187A
65-01	3040
65-080001	226MP
65-085002	109
65-085003	109
65-085004	142A
65-085010	109
65-085012	109
65-085013	116
65-1	123A
65-1-70	160
65-1-70-12	160
65-1-70-12-7	160
65-1A	160
65-1A0	160
65-1A0R	160
65-1A1	160
65-1A2	160
65-1A3	160
65-1A3P	160
65-1A4	160
65-1A4-7	160
65-1A4-7B	160
65-1A5	160
65-1A5L	160
65-1A6	160
65-1A6-5	160
65-1A7	160
65-1A7-1	160
65-1A8	160
65-1A9	160
65-1A9G	160
65-1A19	160
65-1A21	160
65-1A82	160
65-2	103A
65-2-70	103A
65-2-70-12	103A
65-2-70-12-7	103A
65-2A	103A
65-2A0	103A
65-2A0R	103A
65-2A1	103A
65-2A2	103A
65-2A3	103A
65-2A3P	103A
65-2A4	103A
65-2A4-7	103A
65-2A4-7B	103A
65-2A5	103A
65-2A5L	103A
65-2A6	103A
65-2A6-1	103A
65-2A7	103A
65-2A7-1	103A
65-2A8	103A
65-2A9	103A
65-2A9G	103A
65-2A19	103A
65-2A21	103A
65-2A82	103A
65-4	101
65-4-70	101
65-4-70-12	101
65-4-70-12-7	101
65-4A	101
65-4A0	101
65-4A0R	101
65-4A1	101
65-4A2	101
65-4A3	101
65-4A3P	101
65-4A4	101
65-4A4-7	101
65-4A4-7B	101
65-4A5	101
65-4A5L	101
65-4A6	101
65-4A6-2	101
65-4A7	101
65-4A7-1	101
65-4A8	101
65-4A9	101
65-4A9G	101
65-4A19	101
65-4A21	101
65-4A82	101
65-10	160
65-11	160
65-12	160
65-13	160
65-14	160
65-15	160
65-16	160
65-17	160
65-18	160
65-19	160
65-20	103A
65-21	103A
65-22	103A
65-23	103A
65-24	103A
65-25	103A
65-26	103A
65-27	103A
65-28	103A
65-29	103A
65-40	101
65-41	101
65-42	101
65-43	101
65-44	101
65-45	101
65-46	101
65-47	101
65-48	101
65-49	101
65-10838-01(Exidy)	5019A
65-11137-23	788
65-33361-00	1248
65-744238	114
65(Diode)	116
65(Transistor)	107
65A	159
65A0	160
65A1	160
65A2	160
65A3	160
65A4	160
65A5	160
65A6	160
65A7	160
65A8	160
65A9	160
65A10	160
65A10R	160
65A12	160
65A13	160
65A13P	160
65A14	160
65A14-7	160
65A14-7B	160
65A15	160
65A15L	160
65A16	160
65A16-3	160
65A17	160
65A17-1	160
65A18	160
65A19	160
65A19G	160
65A-70	160
65A-70-12	160
65A-70-12-7	160
65A119	160
65A121	160
65A182	160
65A11573	199
65B	159
65B1	126A
65B3	126A
65B4	126A
65B5	126A
65B6	126A
65B7	126A
65B8	126A
65B9	126A
65B10	126A
65B10R	126A
65B11	126A
65B12	126A
65B13	126A
65B13P	126A
65B14	126A
65B14-7	126A
65B14-7B	126A
65B15	126A
65B15L	126A
65B16	126A
65B16-2	126A
65B17	126A
65B17-1	126A
65B18	126A
65B19	126A
65B19G	126A
65B-70	126A
65B-70-12	126A
65B-70-12-7	126A
65B119	126A
65B121	126A
65B182	126A
65BO	126A
65C	159
65C0	121
65C1	159
65C2	121
65C3	121
65C4	121
65C5	121
65C6	121
65C7	121
65C8	121
65C9	121
65C10	121
65C10R	121
65C11	121
65C12	121
65C13	121
65C13P	121
65C14	121
65C14-7	121
65C14-7B	121
65C15	121
65C15L	121
65C16	121
65C16-4	121
65C17	121
65C17-1	121
65C18	121
65C19	121
65C19G	121
65C-70	121
65C-70-12	121
65C-70-12-7	121
65C119	121
65C121	121
65C182	121
65D	159
65D1	159
65D5010	2V010
65E	159
65E1	159
65F	159
65F1	159
65J2	116
65-K11305-0001	519
65-L11305-0001	519
65-L11324-0001	519
65P117	116
65P124	116
65P124-1	116
65P124-2	116
65P153	116
65P155	116
65P206	116
65P284	116
65P297	116
65-P11305-0001	519
65-P11308-0001	177
65-P11311-0001	177
65-P11324-0001	519
65-P11325-0001	519
65SI-HA11580	1196
65ST-2SA733R	290A
65ST-2SC454B	85
65ST-2SC535B	107
65T1	102A
65Z6	5188A
65Z6A	5188A
66-1	102A
66-1-70	102A
66-1-70-12	102A
66-1-70-12-7	102A
66-1A	102A
66-1A0	102A
66-1A0R	102A
66-1A1	102A
66-1A2	102A
66-1A3	102A
66-1A3P	102A
66-1A4	102A
66-1A4-7	102A
66-1A4-7B	102A
66-1A5	102A
66-1A5L	102A
66-1A6	102A
66-1A6-3	102A
66-1A7	102A
66-1A7-1	102A
66-1A8	102A
66-1A9	102A
66-1A9G	102A
66-1A19	102A
66-1A21	102A
66-1A82	102A
66-2	102A
66-2-70	102A
66-2-70-12	102A
66-2-70-12-7	102A
66-2A	102A
66-2A0	102A
66-2A0R	102A
66-2A1	102A
66-2A2	102A
66-2A3	102A
66-2A3P	102A
66-2A4	102A
66-2A4-7	102A
66-2A4-7B	102A
66-2A5	102A
66-2A5L	102A
66-2A6	102A
66-2A6-4	102A
66-2A7	102A
66-2A7-1	102A
66-2A8	102A
66-2A9	102A
66-2A9G	102A
66-2A19	102A
66-2A21	102A
66-2A82	102A
66-3	102A
66-3-70	102A
66-3-70-12	102A
66-3-70-12-7	102A
66-3A	102A
66-3A0	102A
66-3A0R	102A
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71REH60	5572
71REH80	5574
71REH100	5574
71REH110	5574
71REH120	5574
71ST-2SC1505L	198
71SZ-RD12B(AU)	5021A
71SZ-UZ-12B(AU)	5021A
72-006327	116
72-006327-1	116
72-028-9-002	306
72-11	116
72-15	116
72-18	177
72-27200-5	417
72-27200-6	418§
72-27200-7	419
72-27200-8	420§
72-34063-1	435Q14
72-34063-1A	435Q14
72-34063-2	435Q16
72-34063-2A	435Q16
72-34063-5	407
72B1Z	739
72N1	108
72N1B	128
72N2	108
72N2B	123A
72RA50	5577
72RA60	5577
72RA80	5579
72RA100	5579
72RA110	5579
72RA120	5579
72RB50	5577
72RB60	5577
72RB80	5579
72RB100	5579
72RB110	5579
72RB120	5579
72RC10A	5575◆
72RC20A	5575◆
72RC30A	5577◆
72RC40A	5577◆
72RC50A	5577◆
72RC60A	5577◆
72RC80A	5579◆
72REH60	5577
72REH80	5579
72REH100	5579
72REH110	5579
72REH120	5579
72SI-TA7074P	749
72ST-2SC900B	199
72ST-2SD900B	89
72ST-MPS9750F	159
72ST-MPS9750G	159
72ST-MPS9750G/F	159
72Z	116
73-15	145A
73-17	5075A
73-29(ZENER)	5137A
73-31	136A
73-44(MAG-Zener)	136A
73A01	176
73A02	176
73A60-11	506
73A64-1	178MP
73B-140-003-5	123A
73B140-004	127
73B-140-005-1	159
73-B143-096-1	852
73-B143-096-2	852
73-B143-096-3	852
73-B143-096-4	852
73B14077-1	HiDiv-4
73B14077-2	HiDiv-4
73B-140005-4	159
73B140385-001	128
73B140585-21	194
73B140585-22	194
73B140585-23	194
73B140585-24	194
73B140585-25	194
73B140585-26	194
73B140585-27	194
73B141320-1	7493A
73B141789-1	815
73-B143096-1	852
73-B143096-2	852
73-B143096-3	852
73-B143096-4	852
73C18028-11	152
73C180475	712
73C180475-1	712
73C180475-4	712
73C180475-7	712
73C180475-8	712
73C180475-9	712
73C180476-5	712
73C180497-4	154
73C180499-5	154
73C180499-6	154
73C180828-12	152
73C180829-11	152
73C180829-12	152
73C180830-11	153
73C180830-12	153
73C180831-1	159
73C180831-2	159
73C180831-3	234
73C180837-1	713
73C180837-2	713
73C180837-3	713
73C180837P1	790
73C180837P2	713
73C180838-1	749
73C180838-2	1749
73C180838-3	749
73C180843-1	783§
73C180843-2	783§
73C180843-3	783§
73C180843-4	783§
73C181254	522
73C181260	HiDiv-4
73C181260-1	HiDiv-4
73C181260-2	HiDiv-4
73C181260-3	HiDiv-4
73C181260-4	HiDiv-4
73C181260-5	HiDiv-4
73C181260-6	HiDiv-4
73C181260-7	HiDiv-4
73C181260-8	HiDiv-4
73C181260-9	HiDiv-4
73C181260-11	HiDiv-4
73C181260-12	HiDiv-4
73C181260-13	HiDiv-4
73C181260-14	HiDiv-4
73C181260-15	HiDiv-4
73C181260-16	HiDiv-4
73C181260-17	HiDiv-4
73C181260-18	HiDiv-4
73C182051	522
73C182051-1	522
73C182051-2	522
73C182051-3	522
73C182077	728
73C182080-33	154
73C182081-31	123A
73C182082-31	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
73C182088-31	154
73C182186	712
73C182186-1	712
73C182186-2	712
73C182186-3	712
73C182186-4	712
73C182921-2	749
73C182921-3	749
73C180475004	712
73D220741-001	550
73N1	161
73N1B	123A
73N51	105
73SI-MC1353P	10808
73SI-MC1358P	712
73ST-2SC945R(AU)E	85
73ST-2SC1921-03	399
73Z6	5240A
73Z6A	5240A
74	108
74-01-772	199
74-3	100
74-3-70	100
74-3-70-12	100
74-3-70-12-7	100
74-3A	100
74-3A0	100
74-3A0R	100
74-3A1	100
74-3A2	100
74-3A3	100
74-3A3P	100
74-3A4	100
74-3A4-7	100
74-3A4-7B	100
74-3A5	100
74-3A5L	100
74-3A6	100
74-3A6-3	100
74-3A7	100
74-3A7-1	100
74-3A8	100
74-3A9	100
74-3A9G	100
74-3A19	100
74-3A21	100
74-3A82	100
74-13-062	517◆
74-13-063	548
74-30	100
74-31	100
74-32	100
74-33	100
74-34	100
74-35	100
74-36	100
74-37	100
74-38	100
74-39	100
74A01	176
74A02	176
74A03	176
74C00N	74C00
74C02N	74C02
74C04	74C04
74C08N	74C08
74C10	74C10
74C10N	74C10
74C14N	74C14
74C20N	74C20
74C42N	74C42
74C48N	74C48
74C73N	74C73
74C74N	74C74
74C76N	74C76
74C85N	74C85
74C90N	74C90
74C93N	74C93
74C151N	74C151
74C154	74C154
74C154-9	74C154
74C154N	74C154
74C157	74C157
74C157-9	74C157
74C157N	74C157
74C161	74C161
74C161-9	74C161
74C161N	74C161
74C164	74C164
74C164-9	74C164
74C164N	74C164
74C173	74C173
74C173-9	74C173
74C173N	74C173
74C174	74C174
74C174-9	74C164
74C174N	74C174
74C175	74C175
74C175-9	74C175
74C175N	74C175
74C192	74C192
74C192-9	74C192
74C192N	74C192
74C193	74C193
74C193-9	74C193
74C193N	74C193
74C221	74C221
74C221-0	74C221
74C221N	74C221
74C373	74C373
74C373J	74C373
74C373N	74C373
74C374	74C374
74C374J	74C374
74C374N	74C374
74C922	74C922
74C922N	74C922
74C923	74C923
74C923N	74C923
74C925	74C925
74C925-9	74C925
74C925N	74C925
74C929	6508
74C929J	6508
74C929N	6508
74H00PC	74H00
74H01PC	74H01
74H04PC	74H04
74H05PC	74H05
74H08PC	74H08
74H10PC	74H10
74H11PC	74H11
74H20PC	74H20
74H21PC	74H21
74H22	74H22
74H22/9H22	74H22
74H22PC	74H22
74H30PC	74H30
74H40PC	74H40
74H50PC	74H50
74H51PC	74H51
74H52PC	74H52
74H53PC	74H53
74H54PC	74H54
74H55PC	74H55
74H60PC	74H60
74H61PC	74H61
74H62PC	74H62
74H71PC	74H71
74H72PC	74H72
74H73PC	74H73
74H74PC	74H74
74H76PC	74H76
74H78PC	74H78
74H87DC	74H87
74H87PC	74H87
74H101DC	74H101
74H102DC	74H102
74H103PC	74H103
74H106PC	74H106
74H108PC	74H108
74H183DC	74H183
74H183PC	74H183
74HC04AP	74HC04
74L03	74LS03
74L93	74L93
74LD670PC	74LS670
74LS00	74LS00
74LS00A	74LS00
74LS00N	74LS00
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74LS02A	74LS02
74LS02N	74LS02
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74LS03	74LS03
74LS03A	74LS03
74LS03PC	74LS03
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74LS04A	74LS04
74LS04P	74LS04
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74LS05A	74LS05
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74LS12DC	74LS12
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74LS169AF	74LS169A
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78M15C	968
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78Z6	5246A
78Z6A	5246A
79-42C16(Atari)	416
79-42C18(Atari)	435P18
79E104-2	519
79F015	109
79F114-1	128
79F114-2A	129
79F114-3	128
79F114-4	129
79F114-4A	129
79F150	358
79F150-2	358
79F151	118
79F153	120
79L05(VR)	1917
79L12(VR)	1903
79M05(VR)	961
79M05AUC	961
79M05C(VR)	961
79M05CT	961
79M05HF(VR)	1961
79M12(VR)	967
79M12FA(VR)	1971
79M15FA(VR)	1973
79M15HF(VR)	1973
79M18F(VR)	1975
79M18HF(VR)	1975
79M24HF(VR)	1977
79P1	102A
79SI-UPC393C	943M
79Z6	5247A
79Z6A	5247A
80	515
80-000-025	433/500A
80-001300	125
80-001400	125
80-050100	123A
80-050300	103A
80-050400	160
80-050500	160
80-050600	103A
80-050700	121
80-051500	123A
80-051600	129
80-052102	123A
80-052202	123A
80-052302	123A
80-052402	130
80-052600	123A
80-052700	129
80-052800	103A
80-053001	123A
80-053300	128
80-053400	123A
80-053600	108
80-053702	130MP
80-60-1	109
80-308-2	123A
80-1059	177
80-104900	126A
80-105200	126A
80-105300	126A
80-205400	102A
80-205600	102A
80-236400	102A
80-236430	102A
80-243900	102A
80-318250	123A
80-337390	123A
80-338030	108
80-338040	108
80-339430	108
80-339440	108
80-383840	108
80-383930	108
80-383940	123A
80-389910	123A
80-389930	123A
80-414120	130
80-414130	130
80-421980	123A
80-2226314	102A
80A5	125
80AS	125
80C	125
80C20-26	129
80H	125
80H3	5866
80H3P	5866
80H3PN	5867
80L20	525
80P1	102A
80P1S	5570
80P2	129
80P2B	129
80P2S	5570
80P3	129
80P3B	129
80P3S	5572
80P4S	5572
80P5S	5572
80P6S	5572
80P8S	5574
80P10S	5574
80P12S	5574
80SI-M51358P	1545
80ST-2SC2271E	399
80Z6	5248A
80Z6A	5248A
81-23860400-3	188
81-23860400A	188
81-23860400B	188
81-27123100-3	116
81-27123150-8	109
81-27123300-3	116
81-27123307-3	116
81-27125140-7	123A
81-27125140-7A	123A
81-27125140-7B	123A
81-27125160-5	123A
81-27125160-5A	123A
81-27125160-5B	123A
81-27125270-2	123A
81-27125270-2A	123A
81-27125270-2B	123A
81-27125300-7	123A
81-27125530-9	188
81-27125530-9A	188
81-27125530-9B	188
81-27126090-3	219
81-27126100-0	130
81-27126130-7	121
81-27126130-7A	121
81-27126130-7B	121
81-46123001-3	109
81-46123004-5	116
81-46123004-7	116
81-46123005	116
81-46123006-2	109
81-46123010-4	5444
81-46123011-2	116
81-46123012-2	116
81-46123013-8	109
81-46123014-6	116
81-46123015-3	109
81-46123018-7	116
81-46123022-9	116
81-46123023-7	177
81-46123034-4	116(2)
81-46123035-1	116(2)
81-46123038-5	177
81-46123043-5	116
81-46123044-3	5072A
81-46125001-1	126A
81-46125002-9	102A
81-46125003-7	102A
81-46125004-5	102A
81-46125005-2	158
81-46125006-0	108
81-46125007-8	107
81-46125009-4	102A
81-46125010-2	102A
81-46125011-0	102A
81-46125012-8	107
81-46125013-6	107
81-46125016-9	123A
81-46125018-5	158
81-46125019-3	123A
81-46125026-8	123A
81-46125027-6	123A
81-46125028-4	121
81-46125029-2	102A
81-46125030-0	107
81-46125032-6	107
81-46125033-4	107
81-46125053-2	199
81-46125063-1	199
81-46125065-6	312
81-46125071-4	159
81-46128001-8	1097
81-46128002-6	1110§
81C(IC)	1075A
81P3	129
81RL10	5371
81RL20	5371
81RL30	5371
81RL40	5371
81RL50	5371
81RL60	5371
81RL70	5372
81RL80	5372
81RL90	5372
81RL100	5372
81RL110	5372
81RL120	5372
81RLA50	5572
81RLA60	5572
81RLA80	5574
81RLA100	5574
81RLA110	5574
81RLA120	5574
81RLB50	5371
81RLB60	5371
81RLB80	5372
81RLB100	5372
81RLB110	5372
81RLB120	5372
81RLD20MX	5371
81RLD70MX	5372
81RM10	5371
81RM20	5371
81RM30	5371
81RM40	5371
81RM50	5371
81RM60	5371
81RM70	5372
81RM80	5372
81RM90	5372
81RM100	5372
81SD-FV1043	610
81ST-2SA1015-O(AU)B	290A
81ST2SA1015O(AU)B	290A
81ST-2SB561C	290A
81ST-2SB561C(ECB)	159
81SV-KB262	605A
81T2	128
81X0042-100	185MCP
81Z6	5249A
81Z6A	5249A
82-4	116
82-415-637-01	5013A
82-473-611-01	605A
82-473-644-01	234
82-481-636-01	5031A
82-481-637-01	5026A
82-481-638-01	5072A
82-481-727-01	801
82-481-826-01	2004
82-494-791-01	1486
82-730-624-01	3011
82-736-614-01	312
82-736-615-01	116
82-736-616-01	519
82-736-617-01	1206
82-736-618-01	788
82-736-663-01	196
82-736-664-01	5025A
82-736-690-01	109
82-743-615-01	941S
82-743-617-01	788
82-743-618-01	1214
82-743-622-01	159
82-743-623-01	159
82-743-624-01	108
82-743-625-01	199
82-743-626-01	123AP
82-743-627-01	123AP
82-743-629-01	123AP
82-743-630-01	196
82-743-632-01	601
82-743-633-01	177
82-743-634-01	5021A
82-743-635-01	5027A
82-743-636-01	5014A
82-743-697-01	5804
82-744-606-01	5804
82-409501	123A
82-410300	129
82M432B2	915
82M667B2	925
82RECT-SI-154(Au)	552
82RL10	5368
82RL20	5368
82RL30	5368
82RL40	5368
82RL50	5368
82RL60	5368
82RL80	5369
82RL100	5369
82RL110	5369
82RL120	5369
82RLA50	5577
82RLA60	5577
82RLA80	5579
82RLA100	5579
82RLA110	5579
82RLA120	5579
82RLB50	5368
82RLB60	5368
82RLB80	5369
82RLB100	5369
82RLB110	5369
82RLB120	5369
82RLD20MX	5368
82RLD70MX	5369
82RM10	5368
82RM20	5368
82RM30	5368
82RM40	5368

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
82RM50	5368
82RM60	5368
82RM80	5369
82RM100	5369
82S23	74S188
82S123	74S288
82S126	74S387
82S129	74S287
82S129F	74S287
82S129N	74S287
82S130	74S570
82S131	74S571
82S136	74S572
82S136F	74S572
82S136N	74S572
82S137	74S573
82S140	74S475
82S140F	74S475
82S140N	74S475
82S141	74S474
82S141F	74S474
82S141N	74S474
82S146	74S473
82S147	74S472
82S180	74S479
82S181	74S478
82S185	74S454
82ST-2SC288A	65
82Z2	1V050
82Z4(MOV)	2V050
82Z12(MOV)	2V050
83	129
83-1(NAP)	159
83-43-3	118
83-829	116
83-880	116
83-1056	121
83B38-1	109
83C6V8	5014A
83N52	105
83P1	159
83P1A	159
83P1B	159
83P1BC	159
83P1M	159
83P1MC	159
83P1N	159
83P2	159
83P2A	159
83P2AA	159
83P2AA1	159
83P2B	129
83P2M	159
83P2M1	159
83P2N	159
83P3	159
83P3A	159
83P3AA	159
83P3AA1	159
83P3B	159
83P3B1	159
83P3M	159
83P3M1	159
83P4	159
83PS	159
83Z6	5252A
83Z6A	5252A
84	121
84-44-3	118
84A	121
84A0	121
84A1	121
84A2	121
84A3	121
84A4	121
84A5	121
84A6	121
84A7	121
84A8	121
84A9	121
84A10	121
84A10R	121
84A12	121
84A13	121
84A13P	121
84A14	121
84A14-7	121
84A14-7B	121
84A15	121
84A15L	121
84A16	121
84A16B	121
84A17	121
84A17-1	121
84A18	121
84A19	121
84A19G	121
84A20	177
84A-70	121
84A-70-12	121
84A-70-12-7	121
84A121	121
84A182	121
84AA1	121
84AA19	121
84B	121
84C01	157
84G01	157
84H87	74H87◆
84H183	74H183◆
84S157PC	74S157
84SZ-RD12EB3	5021A
85-5	116
85-370-2 BLU	121
85-764-291	5317
85(Diode)	116
85A500161	5626§
85C04	123A
85HF10	6074
85HF20	6074
85HF40	6076
85HF60	6076
85HF80	6078
85HF100	6078
85HF120	6078
85HFR10	6075
85HFR20	6075
85HFR40	6077
85HFR60	6077
85HFR80	6079
85HFR100	6079
85HFR120	6079
85M02704	910
85ST-2SA733Q	290A
85ST-2SC458C(AU)E	85
85Z6	5254A
85Z6A	5254A
86-0002	109
86-0005	139A
86-0006	116
86-0007	115
86-0007-004	123A
86-0008	109
86-000406-2	159
86-000407-2	159
86-001	109
86-0010	116
86-0012	116
86-0013	116
86-0016-01	116
86-0022-001	123A
86-0029-001	123A
86-0031-001	123A
86-0033-007	131MP
86-0036-001	159
86-005135-2	199
86-0510	5071A
86-0511	116
86-0513	109
86-0515	177
86-0516	116
86-0518	611
86-0519	601
86-0520	601
86-0521	142A
86-0522	177
86-1-3	116
86-3-1	114
86-3-3	116
86-4-1	116
86-4-2	101
86-5-2	103A
86-6-2	103A
86-6O1-2	192§
86-7-1	116
86-8-2	121
86-9-1	113A
86-9-3	116
86-10-1	110A
86-10-2	101
86-11-1	5080A
86-11-2	101
86-12-1	112
86-12-2	101
86-13-2	103A
86-14-1	110MP
86-14-2	103A
86-15-1	110MP
86-16-2	102A
86-18-1	113A
86-18-1A	113A
86-18-2	160
86-19-2	121
86-20-1	109
86-20-2	160
86-21-1	116
86-21-2	102A
86-22-1	109
86-22-2	102A
86-22-3	116
86-23-1	507
86-23-2	102A
86-23-3	116
86-24-2	103A
86-25-2	103A
86-26-2	101
86-27-1	177
86-27-2	102A
86-28-2	102A
86-28-3	116
86-29-2	102A
86-30-2	102A
86-30-3	116
86-31-1	142A
86-31-2	101
86-32-1	116
86-32-2	102A
86-33-2	102A
86-34-3	116
86-35-1	139A
86-35-2	103A
86-35-3	116
86-36-2	160
86-37-1	139A
86-37-2	160
86-37-3	120
86-38-3	160
86-39-2	102A
86-40-3	116
86-41-1	178MP
86-41-1(SEARS)	177
86-41-1(Sears-AGC)	177
86-42-1	123A
86-42-3	116
86-44-2	101
86-44-3	518
86-45-1	109
86-45-2	102A
86-45-3	119
86-46-2	102A
86-46-3	116
86-47-2	102A
86-48-1	110MP
86-48-2	102A
86-49-013	76
86-49-018	316
86-49-020	77
86-49-023	77
86-49-050	77
86-49-052	76
86-49-071	77
86-49-073	76
86-49-074	76
86-49-1	109
86-49-2	102A
86-49-3	116
86-50-2	102A
86-50-3	116
86-51-1	142A
86-51-3	116
86-52-1	116
86-54-2	102A
86-54-3	116
86-55-3	120
86-56-3	120
86-56-3C	120
86-56-3F	120
86-57-3	116
86-58-1	139A
86-58-2	123A
86-58-3	116
86-59-1	116
86-59-2	102A
86-59-3	116
86-60-1	109
86-60-2	102A
86-60-3	116
86-61-1	142A
86-61-2	102A
86-62-1	177
86-62-2	121
86-62-3	116
86-63-2	121
86-63-3	116
86-64-1	109
86-65-1	142A
86-65-3	116
86-65-4	177
86-65-9	116
86-66-1	5079A
86-67-0	116
86-67-1	143A
86-67-2	125
86-67-3	125
86-67-9	116
86-67-31	116
86-68-3	166
86-68-3A	166
86-70-1	177
86-72-2	102A
86-72-3	125
86-73-1	5079A
86-73-2	102A
86-74-1	177
86-74-2	102A
86-74-9	177
86-75-2	102A
86-75-3(SEARS)	116
86-76-1	177
86-76-2	103A
86-77-1	177
86-77-2	102A
86-78-1	177
86-78-2	102A
86-79-2	102A
86-80-1	116
86-80-2	102A
86-80-3	116
86-81-2	103A
86-82-2	102A
86-83-2	102A
86-84-1	116
86-84-2	102A
86-85-1	142A
86-85-3	116
86-86-2	160
86-87-2	160
86-88-1	5079A
86-88-2	160
86-88-3	109
86-89-1	116
86-89-2	160
86-89-3	116
86-90-2	160
86-91-1	5081A
86-91-2	160
86-92-2	160
86-93-1	5075A
86-93-2	102A
86-94-1	147A
86-95-1	5137A
86-95-2	102A
86-96-1	5166A
86-97-1	113A
86-98-2	102A
86-99-2	160
86-100-2	160
86-101-2	160
86-102-2	160
86-102-3	5401
86-103-2	102A
86-103-3	5466
86-103-9	5448
86-104-3	558
86-105-1	5009A
86-105-3	552
86-106-3	522
86-107-2	160
86-108-2	126A
86-109-1	5069A
86-109-2	126A
86-109-3	5608
86-110-1	5014A
86-110-2	123A
86-110-3	5402
86-111-1	5080A
86-111-2	126A
86-111-3	116
86-112-2	160
86-113-1	5081A
86-113-3	5446
86-114-1	5016A
86-114-2	102A
86-114-3	513§
86-115-2	102A
86-116-2	126A
86-116-3	552
86-117-1	5082A
86-117-2	160
86-117-3	506
86-118-1	5125A
86-118-3	506
86-119-1	5085A
86-119-2	123A
86-120-2	121
86-121-2	411/128
86-123-2	123A
86-125-1	109
86-126-2	102A
86-126-3	125
86-127-2	121
86-127-3	529
86-128-2	102A
86-128-3	125
86-129-2	102A
86-130-2	102A
86-131-1	5007A
86-131-2	102A
86-132-2	102A
86-133-2	102A
86-135-1	5072A
86-135-2	160
86-136-2	160
86-138-2	108
86-139-1	5079A
86-139-2	123A
86-139-3	116
86-141-2	121
86-142-2	121
86-143-2	123A
86-144-2	123A
86-145-1	138A
86-146-1	109
86-146-2	121
86-147	116
86-147-1	116
86-147-2	121
86-147-3	116
86-148-1	5133A
86-149-1	5088A
86-149-2	160
86-150-1	5096A
86-150-2	160
86-150-3	5096A
86-151-2	160
86-152-2	102A
86-155-2	123A
86-156-2	102A
86-156-2A	102
86-158-2	123A
86-159-2	102A
86-160-2	129/411
86-161-2	128
86-162-2	160
86-163-2	160
86-164-2	160
86-165-2	157
86-166-2	123A
86-169-2	102A
86-170-2	128
86-171-2	123A
86-172-2	102A
86-173-2	121
86-173-9	121
86-175-2	123A
86-176-2	102A
86-177-2	157
86-178-2	159
86-178-20	159
86-179-2	160
86-180-2	160
86-181-2	160
86-182-2	123A
86-183-2	159
86-183-20	159
86-185-2	319P
86-186-2	161
86-188-2	123A
86-189-2	123A
86-190-2	123A
86-191-2	123A
86-192-2	123A
86-193-2	123A
86-194-2	123A
86-195-2	123A
86-196-2	123A
86-197-2	123A
86-198-2	123A
86-199-2	123A
86-201-2	123A
86-202-2	123A
86-204-2	161
86-205-2	161
86-207-2	128
86-208-2	128
86-210-2	128
86-211-2	128
86-212-2	194
86-213-2	154
86-214-2	154
86-215-2	154
86-216-2	159
86-217-2	159
86-217-20	159
86-218-2	159
86-218-20	159
86-219-2	159
86-221-2	163A
86-222-2	163A
86-224-2	163A
86-224-9	163A
86-225-2	163A
86-227-2	124
86-228-2	157
86-230-2	121
86-231-2	121
86-232-2	121
86-233-2	159
86-234-2	128
86-235-2	121
86-236-2	124
86-237-2	123A
86-238-2	123A
86-243-2	108
86-244-2	108
86-245-2	108
86-246-2	159
86-246-20	159
86-247-2	123A
86-248-2	121
86-249-2	102A
86-250-2	123A
86-251-2	159
86-251-20	159
86-253-2	160
86-254-2	160
86-255-2	123A
86-256-2	123A
86-257-2	157
86-259-2	124
86-260-2	124
86-261-2	124
86-262-0	165
86-262-2	161
86-263-2	161
86-264-2	123A
86-265-2	123A
86-266-2	128
86-267-2	128
86-271-2	175
86-272-2	175
86-273-2	128
86-275-2	124
86-276-2	159
86-276-20	159
86-277-2	123A
86-278-2	160
86-279-2	160
86-280-2	126A
86-281-2	126A
86-282-2	126A
86-283-2	102A
86-284-2	188
86-285-2	159
86-286-20	159
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88RLH100	5372‡
88RLH120	5372‡
88RP10	5570
88RP20	5570
88RP30	5572
88RP40	5572
88RP50	5572
88RP60	5572
88RP80	5574
88RS100	5574
88RS200	5574
88SZ-RD12FB2	142A
88Z6	5257A
88Z6A	5257A
89-105-053-41	374
89-105-624-01	290A
89-106-844-01	294
89-107-336-01	290A
89-107-505-01	234
89-107-985-01	43
89-108-854-01	374#
89-109-916-01	234◆
89-110-154-01	290A
89-206-052-01	294
89-206-492-01	374
89-206-492-31	374
89-303-803-01	85
89-303-804-01	85
89-303-813-01	107
89-304-953-41	295
89-307-104-01	85
89-308-284-01	85
89-309-456-01	85
89-310-933-41	391
89-313-846-01	293
89-314-055-01	90
89-315-675-01	373
89-315-676-01	373
89-315-834-01	42
89-316-741-01	107
89-317-353-01	85
89-317-354-01	85
89-318-154-01	85
89-318-155-01	85
89-318-464-01	373#
89-319-233-01	107
89-319-594-01	85
89-320-014-01	85
89-325-633-41	390
89-402-275-01	85
89-402-344-01	152
89-403-135-01	152
89-405-712-01	293
89-406-365-01(BCE)	199
89-406-692-01	373
89-406-692-31	373
89-494-792-01	1489
89-500-304-01(SGD)	459
89-730-635-21	1486
89-736-613-01	85
89ST-MPS9410AK	128
90-17B	222
90-30	123A
90-31	289A
90-32	123A
90-33	199
90-35	1102
90-36	1100
90-37	1104
90-37(IC)	1104
90-37(Transistor)	160
90-38	186A
90-39	7474
90-45	161
90-46	313
90-47	313
90-48	123A
90-49	316
90-50	312
90-54	160
90-55	312
90-56(NPN)	123A
90-56(PNP)	158
90-57	123A
90-58	102A
90-58(FET)	222
90-59	160
90-60(NPN)	229
90-60(PNP)	102A
90-61	123A
90-62	312
90-65	123A
90-66	289A
90-67	7474
90-68	7401
90-69	123A
90-70	199
90-71	123A
90-72	1102
90-73	1100
90-74	1104
90-75	186A
90-110	237
90-111	186A
90-112	315
90-140	199
90-175	237
90-176	186A
90-177	315
90-178	222
90-179	312
90-180	229
90-181	199
90-450	235
90-451	186A
90-452	123A
90-453	123A
90-454	315
90-455	233
90-456	123A
90-457	123A
90-458	199
90-459	199
90-600	152
90-601	123A
90-602	123A
90-603	199
90-604	229
90-605	199
90-606	312
90-607	312
90-608	312
90-609	235
90-610	236
90-611	312
90-612	123A
90-613	312
90-614	199
90-615	1052
90-2213-00-18	123A
90-6001(Atari)	6800
90-6010(Atari)	6502
90-7033	2114
90-7033(Atari)	2114
90(Sharp)	138A
90T2	107
91-3	109
91-4	109
91-46	109
91A	108
91A01	116
91A02	116
91A03	116
91A04	125
91A05	116
91A06	116
91A08	506
91A018	116
91A11	116
91AJ150	175
91B	108
91B(Zener)	5049A
91BGRN	108
91C	123A
91D	123A
91E	123A
91F	108
91N1	110MP
91N1B	161
91RC5	5570◆
91RC10	5570◆
91RC20	5570◆
91RC30	5572◆
91RC40	5572◆
91RC60	5572◆
91RC80	5574◆
91RC100	5574◆
91RC110	5574◆
91RC120	5574◆
92-1	109
92-1-70	105
92-1-70-12	105
92-1-70-12-7	105
92-1A	105
92-1A0	105
92-1A0R	105
92-1A1	105
92-1A2	105
92-1A3	105
92-1A3P	105
92-1A4	105
92-1A4-7	105
92-1A4-7B	105
92-1A5	105
92-1A5L	105
92-1A6	105
92-1A6-1	105
92-1A7	105
92-1A7-1	105
92-1A8	105
92-1A9	105
92-1A9G	105
92-1A19	105
92-1A21	105
92-1A82	105
92-10	105
92-11	105
92-12	105
92-13	105
92-14	105
92-15	105
92-16	105
92-17	105
92-18	105
92-19	105
92-1001	109
92-30942	123A
92A11-1	116
92A64-1	178MP
92B1C	723
92B12-2	116
92BIC	723
92GE37A	128P
92GE37B	128P
92GE37C	128P
92GE77A	129P
92GE77B	129P
92GE77C	129P
92GE487	399
92GE488	399
92GE489	399
92GU01	128P
92GU01A	128P
92GU05	128P
92GU06	128P
92GU10	227
92GU45	48
92GU45A	48
92GU51	129P
92GU51A	129P
92GU55	129P
92GU56	129P
92GU391	227
92GU392	227
92GU393	227
92L1N4001	116
92L1N4148	519
92L2SD471L	293
92LHZ9A1T	139A
92LIC-87B	1226
92LMTZJ5R1AVT	5010T1
92LMTZJ10CT	5019T1
92LRD12EB	5021A
92LSD-115	612
92LW03B	116
92N1	108
92N1B	108
92PE37A	24
92PE37B	24
92PE37C	24
92PE77A	25
92PE77B	25
92PE77C	25
92PE487	399
92PE488	399
92PE489	399
92PU01	216
92PU01A	216
92PU05	128P◆
92PU06	128P◆
92PU07	128P◆
92PU10	399
92PU36	255
92PU36A	255
92PU36B	255
92PU36C	255
92PU45	48
92PU45A	48
92PU51	129P◆
92PU51A	129P◆
92PU55	129P
92PU56	129P
92PU57	129P◆
92PU100	128P
92PU200	129P
92PU391	227
92PU392	227
92PU393	227
93-13	177
93-188	5693
93-302	116
93-3151	505
93A1D-1	116
93A2	5809
93A3D-2	116
93A4-2	116
93A5-2	113A
93A5-9	113A
93A5-10	113A
93A6-1	116
93A6-2	116
93A8-1	109
93A9	102
93A9-1	102A
93A9-2	102A
93A9-3	100
93A9-4	100
93A12-1	116
93A15-1	5809
93A25-1	109
93A25-2	110MP
93A25-3	109
93A27-1	109
93A27-8	177
93A31-1	177
93A33-1	109
93A38-1	109
93A39-1	5081A
93A39-5	5079A
93A39-7	5079A
93A39-8	5081A
93A39-11	5071A
93A39-12	142A
93A39-13	5074A
93A39-14	5082A
93A39-15	123A
93A39-19	136A
93A39-24	145A
93A39-25	149A
93A39-28	5098A
93A39-31	146A
93A39-34	5067A
93A39-35	5086A
93A39-40	147A
93A39-43	142A
93A39-44	5074A
93A39-45	5081A
93A39-48	5076A
93A39-49	5005A
93A39-50	5075A
93A39-54	5022A
93A39-58	5081A
93A39-73	136A
93A39-77	5010A
93A39-79	5013T1
93A39-80	5018A
93A40-1	506
93A41-2	110MP
93A41-5	109
93A42-7	116
93A43-1	112
93A43-2	112
93A51-3	116
93A52-1	552
93A52-9	116
93A52-9-55	125
93A52-10	116
93A52-14	116
93A52-15	552
93A52-27	125
93A53-2	120
93A53-3	116
93A55-1	5074A
93A57-1	118
93A59-1	112
93A60-1	506
93A60-2	116
93A60-3	506
93A60-5	177
93A60-6	177
93A60-7	552
93A60-8	116
93A60-9	552
93A60-9-55	580
93A60-10	506
93A60-11	506
93A60-14	177
93A60-21	552
93A60-21-55	552
93A60-26	552
93A60-27	580
93A64-1	177
93A64-2	519
93A64-2(AFC)	178MP
93A64-3	177
93A64-5	177
93A64-7	177
93A64-8	177
93A64-11	519
93A67-1	116
93A69-1	506
93A69-2	177
93A71-1	506
93A75-1	120
93A77-1	109
93A78-1	116
93A79-6	125
93A80-1	142A
93A83-1	110MP
93A91-1	522

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
93A91-2	522
93A91-3	522
93A91-4	522
93A91-5	522
93A91-6	522
93A93-1	504
93A93-2	504
93A96-1	500A
93A96-2	500A
93A96-3	500A
93A97-1	116
93A97-2	116
93A97-3	116
93A97-37	116
93A98-1	538
93A99-2	538
93A99-3	538
93A99-4	538
93A99-5	539
93A99-6	539
93A99-7	539
93A99-8	539
93A99-9	538
93A102-2	143A
93A104-1	116(4)
93A105-1	109
93A107-2	151A
93A110-1	109
93A111-1	554§
93A112-1	125
93A3912	177
93B1-1	116
93B1-2	116
93B1-3	116
93B1-4	116
93B1-5	116
93B1-6	116
93B1-7	116
93B1-8	116
93B1-9	116
93B1-10	116
93B1-11	116
93B1-12	116
93B1-13	116
93B1-14	116
93B1-15	116
93B1-16	116
93B1-17	116
93B1-18	116
93B1-20	116(3)
93B1-21	116(3)
93B1C	787
93B2-1	116(3)
93B3-3	358
93B3-4	358
93B5-1	113A
93B5-2	113A
93B5-3	113A
93B5-3-6	113A
93B5-3-8	113A
93B5-3-9	113A
93B5-4	113A
93B5-5	113A
93B5-6	113A
93B5-7	113A
93B5-8	113A
93B5-9	113A
93B5-10	113A
93B8-1	109
93B12-1	116
93B12-2	116
93B12-3	116
93B19-1	120
93B20-1	5809
93B20-2	5809
93B20-3	5809
93B22-3	358
93B24-2	116
93B24-3	116
93B25-1	109
93B25-2	109
93B25-3	109
93B27-1	109
93B27-2	116
93B27-3	110MP
93B27-8	177
93B30-1	116
93B30-3	116
93B38-1	109
93B38-5	109
93B39-6	140A
93B39-12	142A
93B39-13	142A
93B39-31	146A
93B39-43	142A
93B39-54	5022A
93B39-58	5081A
93B39-73	136A
93B39-77	5010A
93B39-79	5013T1
93B39-80	5018A
93B41	109
93B41-1	109
93B41-3	109
93B41-4	116
93B41-6	116
93B41-8	116
93B41-12	116
93B41-14	116
93B41-20	5809
93B42-1	116
93B42-2	116
93B42-3	116
93B42-4	116
93B42-6	116
93B42-7	116
93B42-8	116
93B42-9	116
93B42-10	116
93B42-11	116
93B42-12	116
93B44-1	112
93B45-1	116
93B45-2	116
93B45-3	125
93B47-1	116
93B48-1	177
93B48-2	177
93B48-3	177
93B48-4	177
93B51-3	116
93B52-1	506
93B52-2	506
93B52-9	116
93B52-9-55	125
93B52-10	116
93B52-14	116
93B52-15	552
93B52-27	125
93B53-1	116(3)
93B53-2	120
93B57-1	118
93B58-1	506
93B59-1	112
93B60-3	506
93B60-9-55	580
93B60-10	506
93B60-21	552
93B60-21-55	552
93B60-26	552
93B60-27	580
93B64-1	177
93B64-2	519
93B64-5	177
93B64-11	519
93B65-1	125
93B91-1	522
93B91-2	522
93B91-3	522
93B91-4	522
93B91-5	522
93B91-6	522
93B96-1	500A
93B96-2	500A
93B96-3	500A
93B97-1	116
93B112-1	125
93BIC	787
93C	9931
93C1-20	116
93C1-21	116
93C1-2021	120
93C5-2	114
93C5-3	114
93C5-4	114
93C5-5	113A
93C5-6	113A
93C5-7	113A
93C5-8	113A
93C5-9	113A
93C5-10	113A
93C6-7	113A
93C6-9	113A
93C7-1	109
93C7-2	177
93C7-3	177
93C8-1	109
93C16-2	116
93C18-1	125
93C18-2	125
93C19-1	116
93C22-1	358
93C22-3	358
93C24-2	116
93C25-2	110MP
93C25-3	109
93C30-1	116
93C30-3	116
93C39-1	134A
93C39-2	142A
93C39-3	139A
93C39-6	142A
93C39-8	5081A
93C39-10	138A
93C39-11	123
93C39-12	142A
93C39-13	142A
93C39-31	146A
93C39-43	142A
93C39-45	5081A
93C39-49	5005A
93C39-51	5013A
93C39-54	5022A
93C39-58	5081A
93C39-73	136A
93C39-77	5010A
93C39-79	5013T1
93C39-80	5018A
93C40	119
93C40-1	119
93C42-2	116
93C42-7	116
93C51-3	114
93C52-1	506
93C52-5	116
93C52-9	116
93C52-9-52T	116
93C52-9-55	125
93C52-10	116
93C52-14	116
93C52-15	552
93C52-27	125
93C53-2	120
93C55-1	109
93C59	113A
93C60-3	506
93C60-5	177
93C60-6	177
93C60-7	552
93C60-9	552
93C60-9-55	580
93C60-10	506
93C60-21	552
93C60-21-55	552
93C60-21-64	580
93C60-26	552
93C60-27	580
93C60-27-52T	580
93C64-1	519
93C64-2	519
93C64-3	519
93C64-5	177
93C64-10	558
93C64-11	519
93C64-11H	519
93C64-11H-52T	519
93C69-1	506
93C97-1	116
93C112-1	125
93C118-1	125
93C118-2	125
93C218	109
93C267	114
93D8-1	109
93D39-31	146A
93D39-43	142A
93D39-43-52T	142A
93D39-51	5013A
93D39-54	5022A
93D39-54-52T	5022A
93D39-58	5081A
93D39-73	136A
93D39-77	5010A
93D39-77-52T	5010A
93D39-79	5013T1
93D39-79-52T	5013T1
93D39-80	5018A
93D39-80-52T	5018A
93D52-1	116
93D52-9	116
93D52-10	116
93D52-14	116
93D52-15	552
93D52-27	125
93D60-5	519
93D60-9-55	580
93D60-10	506
93D60-21	552
93D60-21-52T	580
93D60-21-55	552
93D60-21-64	580
93D60-26	552
93D60-27	580
93D60-27-52T	580
93D64-2	519
93D64-5	177
93D64-11	519
93D91-1	522
93D91-2	522
93D91-3	522
93D91-4	522
93D91-5	522
93D91-6	522
93D96-1	500A
93D96-2	500A
93D96-3	500A
93D97-1	116
93D98-1	538
93D99-2	538
93D99-3	538
93D99-4	538
93D99-5	539
93D99-6	539
93D99-7	539
93D99-8	539
93D99-9	538
93D-100-91	109
93D-100-92	5018A
93D-100-93	116
93D-100-94	5010A
93D-100-95	5025A
93D-100-96	177
93D-100-97	1234
93D-100-98	1248◆
93D-100-99	1052
93D-100-100	1155
93D-100-102	977
93D-100-104	85
93D-100-105	289A
93D-100-106	85
93D-100-107	85
93D-100-108	290A
93D-100-109	186A
93D-100-110	451
93D111-1	554§
93D112-1	125
93D112-57	112
93D-200-81	177
93D-200-82	139A
93D-200-83	5010A
93D-200-84	116
93D-200-85	5015A
93D-200-86	109
93D-200-87	5013A
93D-200-90	1170
93D-200-91	1285§
93D-200-92	1286
93D-200-94	107
93D-200-95	289A
93D-200-96	85
93D-200-97	312
93D-200-98	85
93D-200-99	290A
93D-200-100	187A
93E2SA733Q	290A
93E2SA755-C///	153
93E2SB562C	294
93E2SC1923-0///	229
93E2SC1923-O	229
93E2SC2229Y	399
93ERH-1X1128	712
93ERH-DX0155//	552
93ERH-DX0156//	116
93ERH-DX1002//	506
93ERH-DX1006//	552
93ERHDX1033	552
93ERH-DX1055//	552
93ERHIX1128	712
93EVHD1N4148//	519
93H87DC	74H87
93H87PC	74H87
93H183DC	74H183
93H193PC	74H183
93K2-1	113A
93L00	74LS195A
93L08DC	93L08
93L08DM	93L08◆
93L08PC	93L08
93L3-1	5809
93L3-2	5809
93L5-1	116
93L5-2	5809
93L5-3	156
93L5-4	116
93L5-5	156
93L5-6	116
93L5-7	116
93L5-8	156
93L10	74LS160A
93L16	74LS161A
93L16DC	93L16
93L16PC	93L16
93L101-2	116
93L102-2	116
93L103-4	116
93L104-5	156
93L107-2	116
93M8-1	5809
93N9-1	522
93P1AA	159
93S153DC	74S153
93S157DC	74S157
93S157PC	74S157
93S158DC	74S158
93S158PC	74S158
93S174DC	74S174
93S174PC	74S174
93S175DC	74S175
93S175PC	74S175
93S194DC	74S194
93S194PC	74S194
93SC165133	130
93SC165133A	130
93-SE-124	130
93SE165	181
93T4100010270	199
93T4100193210	107
93T4100203100	85
93T4100203240	107
93T4105002132	152
93T4120042013	611
93T4120265210	5018A
93T4120280156	109
93T4120290136	109
93T4120482210	614◆
93T4125005150	5021T1
93T4130060052	116
93T4150133000	1116
93T4150182072	1466
93Y0A90	109
93Y2SC829B	289A
93Y2SC945W2	289A
93Y2SC1047B	107
93Y2SC1359A	229
93Y2VD1260M	601
93Y20A90	109
93YAN217P-BB	1060
93.20.709	167
93.20.714	167
93.24.401	109
93.24.601	109
93.24.604	109
94-06	5089A
94-42-9	109
94-1066-1	116
94A-1A6-4	121
94A1S1588	519
94A2SA1015Y	290A
94A2SC461B	85
94A2SC496Y	295
94A2SC535C	107
94A2SC1815GR	85
94A2SK55D	312
94AHA-1156W	801
94AHA-1197	1214
94ALB1405	1515
94B1C	724
94BIC	724
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When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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121-24	101
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121-44	126A
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121-47	102A
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121-51	101
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121-72	102A
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121-148	102A
121-150	126A
121-151	102A
121-152	102A
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121-162	126A
121-163	102A
121-164	102A
121-168	102A
121-169	103A
121-170	102A
121-171	121
121-172	103A
121-176	102A
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121-184	102A
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121-226	102A
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121-235	100
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121-243	160
121-244	160
121-245	102A
121-246	102A
121-247	103A
121-248	103A
121-254	100
121-256	126A
121-257	126A
121-258	126A
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132-075	123A
132-076	161
132-077	123A
132-078	157
132-079	185
132-080	184
132-081	184
132-082	161
132-085	130
132-087	161
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132-185	161
132-501	123A
132-502	123A
132-503	123A
132-504	123A
132-515	124
132-516	124
132-521	124
132-522	124
132-523	124
132-524	124
132-525	124
132-526	124
132-539	123A
132-540	123A
132-541	130
132-542	130MP
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133-002	710
133-003	724
133-004	725
133-005	724
133-0021-0	904
133-1	188
133-1(RCA)	188
133-3	152
133E02040	7071
133P00195	7430
133P100	9109§
133P80014	7430
133P80026	7483
133P80029	7492
133P80057	909
133P80067	941D
133P80104	941M
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134/060-P2	350
134/060-P3	320
134/060-P4	320
134-1	189
134-1(RCA)	189
134/104-P1	339
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134/164-P2	363
134/171-P1	367
134/171-P2	367
134/239	366
134B1037	717
134P1	234
134P1A	159
134P1AA	129
134P1M	159
134P2	129
134P4	159
134P4AA	159
134P4M	159
135-1(RCA)	139
135-3	116
135C4L	116
135C44322-542	123A
135N1	154
135N1M	154
135ORN	123A
135P4	5809
136-000100	358
136-000200	358
136-000300	358
136-3(RCA)	172A
136P1	106
136RED	123A
137-003	5697
137-684	125
137-718	116
137-737	5802
137-759	145A
137-824	109
137-828	125
137(Admiral)	159
138-4	123A
138-4(Coronado)	233
139-1(MAG)	229
139-2(MAG)	108
139-3(MAG)	108
139-4	108
139-4(Coronado)	161
139-5(MAG)	108
139-DDF(Delco)	29
139DDF(Delco)	29
139N1	229
139N1D	229
139N2	161
140-0007	123A
140-002	177
140-013	116
140N1C	130
140N2	130
141-003	109
141-078-0001	177
141 402	161
142-001	123A
142-002	199
142-002(Rect.)	125
142-002(Regency)	199
142-003	199
142-004	152
142-005	289A
142-006	186A
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142-006(Regency)	186A
142-007	282§
142-008	152
142-009	177
142-02	4049
142-05	4007
142-06	4013B
142-07	4024B
142-08	4040B
142-09	4016B
142-010	177
142-011	109
142-012	139A
142-013	116
142-014	116
142-015	5075A
142-016	5071A
142-1(SYL)	125
142-2(SYL)	125
142-3	123A
142-3(SYL)	125
142-4	123A
142-10	4017B
142-11	4022B
142-13	4015B
142-21	4053B
142-23	4002B
142-27	4001B
142(IBM)	177
142(Zenith)	177
142N1	289A
142N1P	161
142N3	123AP
142N3T	123A
142N4	123A
142N5	123A
142N6	108
143-05	960
143-1	912
143-1(NAP-IC)	778A
143-2(NAP-IC)	778A
143-3(NAP-IC)	778A
143C08	964
144-1	519
144-3	177
144-4	154
144-7001-02	116
144-7013-01	142A
144-7015-01	166
144-7016-01	519
144-7039-01	159
144A-1	121
144A-1-12	121
144A-1-12-8	121
144F(Dig. Trans)	2360◆
144N1	403/171
144N1G	403/171
144N2	171
144N6	154
145-1(SYL)	191
145-2(Syl.)	171
145-100	140A
145-118	139A
145-470	5088A
145A9254	116
145A9786	116
145aa	4511B
145N1	161
145N1(Last IF)	233
145N1P	161
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146-1(MAG)	194
146-3(MAG)	194
146-5(MAG)	194
146B-3	121MP
146B-3-12	121MP
146B-3-12-8	121MP
146D1	178MP
146D1B112	178MP
146N3	123A
146N5	123A
146-T1	121
147-1(SYL-Diode)	525
147-2(SYL-Diode)	525
147-3(SYL-Diode)	525
147-7009-01	159
147-7016-01	199
147-7019	128
147-7031-01	123AP
147-7034-01	788
147-7036-01	222
147-7037-01	312
147-7038-01	108
147-7041-01	128
147-7042-01	788
147-7043-01	1232
147-7048-1	992
147N1	293
147P2	294
147-T1	121
148-1(SYL)	5351A
148-1(SYL-SCR)	5351A
148-2(MAG)	123AP
148-2(SYL-SCR)	5424
148-2A(MAG)	123AP
148-3	506
148-3(MAG)	194
148-3(MAG-Diode)	506
148-4(MAG)	194
148-5015-002-0	85
148-5015-003-0	85
148-5027-001-0	177
148-5044-001-0	109
148-5046-002-0	289A
148-5046-003-0	289A
148-5047-001-0	85
148-5047-002-0	85
148-5048-001-0	139A
148-134622	105
148N1	128
148N2	123A
148N3	128
148N4	128
148N212	123A
148P-2	102A
148P-2-12	102A
148P-2-12-8	102A
149-1(SYL)	123AP
149-4(MAG)	152
149-5(MAG)	153
149-6(MAG)	152
149-7(MAG)	153
149-8(MAG)	152
149-10(MAG)	152
149-142-G1	177
149-5007-001-0	1155
149-5007-002-0	1155
149-5007-003-0	1155
149-5010-002	1278
149-5021-001-0	1170
149L-4	102A
149L-4-12	102A
149L-4-12-8	102A
149N1	184
149N2	184
149N2B	241
149N2D	152
149N4	184
149N4B	241
149N10D	152
149N2002D	152
149N2004	152
149N2010	186A
149P1	185
149P1B	242
149P1D	152
149P3	185
149P4B	242
149P2001D	153
149P2003	153
150	116
150-001-005	109
150-001-9-005	109
150-001-9-007	109
150-002-9-001	109
150-004-9-001	109
150-005-9-001	109
150-006-9-001	109
150-007	110A
150-007-9-001	110A
150-012-9-001	506
150-013-9-001	109
150-014-9-001	109
150-015-9-001	110MP
150-016-9-001	109
150-016-9-001(12)	109
150-030-9-002	178MP
150-040-9-002	177
150-050	116
150-066-9-001	519
150-1	177
150-1(MAG)	123AP
150-1(MAG-Trans)	123AP
150-1(SYL)	159
150-1N	123AP
150-2(MAG-Trans)	123AP
150-3(MAG-Trans)	123AP
150BC15	6154
150C025	5580
150C025IL	5580
150C050	5580
150C10	5580
150C10IL	5580

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
150C15	5580
150C15IL	5580
150C20	5580
150C20IL	5580
150C25	5582
150C25IL	5582
150C30	5582
150C30IL	5582
150C35	5582
150C35IL	5582
150C40	5582
150C40IL	5582
150C45	5582
150C45IL	5582
150C50	5582
150C50IL	5582
150C60	5582
150C60B	5582
150C60IL	5582
150C70	5584
150C70IL	5584
150C80	5584
150C80IL	5584
150C90	5584
150C90IL	5584
150C100	5584
150C100IL	5584
150C110	5584
150C110IL	5584
150C120	5584
150C120IL	5584
150DC15	6154
150FC15	6154
150GC15	6154
150JC15	6156
150K5A	6154
150K10A	6154
150K20A	6154
150K30A	6154
150K40A	6154
150K60A	6156
150K80A	6158
150K100A	6158
150K120A	6162
150KR5A	6155
150KR10A	6155
150KR20A	6155
150KR30A	6155
150KR40A◆	6155
150KR60A	6157
150KR80A	6159
150KR100A	6159
150L2	1V150
150L5A	432/6154
150L10(MOV)	524V15
150L10A	432/6154
150L15A	432/6154
150L20(MOV)	524V15
150L20A	432/6154
150L25A	432/6154
150L30A	432/6154
150L40A	432/6154
150L50A	432/6154
150L60A	432/6156
150L70A	432/6158
150L80A	432/6158
150L90A	432/6158
150L100A	432/6158
150L120A	432/6162
150LC15	6158
150LD11	6359
150LR5A	432/6155
150LR10A	432/6155
150LR15A	432/6155
150LR20A	432/6155
150LR25A	432/6155
150LR30A	432/6155
150LR40A	432/6155
150LR50A	432/6157
150LR60A	432/6157
150LR70A	432/6159
150LR80A	432/6159
150LR90A	432/6159
150LR100A	432/6159
150LR120A	6163/432
150N1	161
150N2	123A
150N3	161
150NC15	6158
150ND11	6359
150P1S	5580◆
150P2S	5580◆
150P3S	5582◆
150P4S	5582◆
150P5S	5582◆
150P6S	5582◆
150P8S	5584◆
150P10S	5584◆
150P12S	5584◆
150QC15	6162
150QD11	6163
150R1B	156
150R2B	5802
150R3B	5804
150R4B	5804
150R5B	5806
150R6B	5806
150R7B	5808
150R8B	156
150R9B	156
150R10B	156
150Z	1V095
150Z4(MOV)	2V095
150Z8(MOV)	2V095
151	177
151-001-9-001	177
151-002-9-001	177
151-006-9-001	147A
151-0040	101
151-0040-00	101
151-0087-00	159
151-0096-00	128
151-011-9-001	177
151-011-9-011	116
151-012-9-001	139A
151-013-9-001	178MP
151-014-9-001	507
151-014-9-1	177
151-015-9-001	519
151-018-9-001	116
151-021-9-001	177
151-022-9-001	177
151-022-9-002	177
151-023-9-001	116
151-024-9-001	177
151-025-9-001	5809
151-028-9-001	519
151-029-9-001	177
151-029-9-002	177
151-029-9-003	116
151-030-9-001	177
151-030-9-002	178MP
151-030-9-003	137A
151-030-9-004	614
151-030-9-005	116
151-030-9-006	177
151-030-9-009	177
151-031-9-001	137A
151-031-9-003	137A
151-032-9-001	177
151-032-9-002	177
151-032-9-004	177
151-034-9-001	177
151-035-0-003	177
151-035-9-001	519
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151-035-9-004	519
151-038	519
151-038-9-001	519
151-040-7-003	116
151-040-9-001	177
151-040-9-002	177
151-040-9-003	116
151-042-9-001	177
151-045	126A
151-045-9-001	116
151-045-9-002	177
151-045-9-003	506
151-046-9-001	116
151-049-9-001	177
151-049-9-002	177
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151-049-9-007	601
151-050-9-001	116
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151-059-9-001	519
151-060-9-001	519
151-061-9-001	519
151-062-9-001	611
151-064-9-001	519
151-064-9-002	519
151-066-9-001	177
151-067-9-001	177
151-069-9-001	519
151-070-9-001	613
151-072-9-001	610
151-075-9-001	138A
151-076-9-001	5101A
151-081-9-001	5313
151-085-9-002	5016A
151-089-9-001	139A
151-096-1C	128
151-0103-00	123A
151-0124-00	159
151-0126-00	123A
151-0127-00	123A
151-0136	128
151-0136-00	128
151-0136-02	128
151-0138	108
151-0140	130
151-0140-00	130
151-0141	175
151-0141-00	175
151-0148	175
151-0149	175
151-0149-1A	175
151-0169-01	396
151-0188-00	159
151-0190-00	123A
151-0208	129
151-0208-00-AA	129
151-0210	124
151-0210-00	124
151-0211	128
151-0211-00	128
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151-0212-00	316
151-0217	175
151-0217-1	175
151-0219-00	234
151-0219-00(EBC)	234
151-0221-00	159
151-0221-02	159
151-0223-00	123A
151-0224-00	123A
151-0228-04	397
151-0238	101
151-0241	124
151-0241-00	124
151-0250-00	194
151-0251	124
151-0259-00	107
151-0274-00	194
151-0275	181
151-0275-00	181
151-0301-00	232
151-0302-00	123A
151-0311-01	157
151-0315	124
151-0315-00	124
151-0316	124
151-0325-00	159
151-0336-00	130
151-0336-00-A	130
151-0337-00	130
151-0337-00-A	130
151-0341-00	199
151-0341-00-A	199
151-0342-00	234
151-0347-00	194
151-0390-00	272
151-0407-00	194
151-0410-00	234
151-0417-00	106
151-0424-00	123A
151-0427-00	107
151-0434-00	395
151-0453-00	234
151-0456-00	199
151-0458-00	159
151-0459-00	159
151-0471-00	107
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151-2(MAG-Diode)	552
151-3(MAG-Diode)	552
151-4(MAG-Diode)	552
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151-148-00-BC	175
151-150	128
151-150-1B	128
151-211	128
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151-1002	126A
151(5MM-MOV)	1V095
151(7MM-MOV)	1V095
151HX58	56006
151M11	108
151N1	108
151N2	123A
151N4	123A
151N5	123A
151N11	108
151N116	108
151RA50	5582
151RA60	5582
151RA80	5584
151RA100	5584
151RA110	5584
151RA120	5584
151RB50	5582
151RB60	5582
151RB80	5584
151RB100	5584
151RB110	5584
151RB120	5584
151RC10	5580
151RC10A	5580
151RC20	5580
151RC20A	5580
151RC30	5582
151RC30A	5582
151RC40	5582
151RC40A	5582
151RC50	5582
151RC50A	5582
151RC60	5582
151RC60A	5582
151RC80	5584
151RC80A	5584
151RF15	5374
151RL50	5374
151RL60	5374
151RL80	5375
151RL100	5375
151RL110	5375
151RL120	5375
151RLD20MX	5374
151RLD120MX	5375
151RM10	5374
151RM20	5374
151RM30	5374
151RM40	5374
151RM50	5374
151RM60	5374
151RM80	5375
151RM100	5375
152	135A
152-006-9-001	147A
152-008-9-001	139A
152-0047	5804
152-0047-00	5804
152-0061-00	177
152-012-9-001	139A
152-019-9-001	137A
152-021-9-001	141A
152-029-9-002	147A
152-030	135A
152-030-9-001	135A
152-039	142A
152-039-9-001	142A
152-042-9-001	5072A
152-042-9-002	5071A
152-047	116
152-047-9-001	137A
152-047-9-004	137A
152-051-9-001	139A
152-052-9-002	137A
152-054-9-001	5072A
152-057-9-001	5075A
152-069-9-001	135A
152-075-9-001	138A
152-079-9-001	135A
152-079-9-002	137A
152-079-9-003	137A
152-079-9-004	138A
152-082-9-001	139A
152-085-9-001	5018A
152-086-7-001	5018A
152-087-9-001	5018A
152-088-9-001(TRANS)	159
152-088-9-001(ZENER)	135A
152-089-9-001	5073A
152-092-9-001	5013A
152-094-9-001	137A
152-0127-00	5015A
152-0141-02	177
152-0154	5642
152-0242-00	177
152-0268-00	5042A
152-0269-00	614
152-0278-00	5004A
152-0281-00	5030A
152-0283-00	5039A
152-0286-00	5046A
152-0289-00	5058A
152-0304-00	5029A
152-0333-00	519
152-0395-00	5008A
152-0556-00	5312
152-141-1	519
152-221011	102A
152CB	5626§
152D003930	943M
152D040530	4053B
152N2	130
152N2C	181
152P1B	218
152P1C	180
153-008-9-001	614
153-008-9-002	601
153-009-9-001	611
153-011-9-001	605A
153-085-9-002	5016A
153D040010	4001B
153N1	196
153N1C	152
153N2C	152
153N3	152
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153N5C	152
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154-000-9-001	614
154-004-9-001	613
154-500(SYL)	610
154A3675-105	102
154A3676	126A
154A3676-205	102
154A3677	126A
154A3679	102
154A3679-5110	126A
154A3680	121
154A3992	116
154A5941	123A
154A5943	124
154A5943-1	124
154A5946	123A
154A5946-667	129
154A5947-7732	106
154A8681	102
154T1	160
154T1A	160
154T1B	160
154WA(DIODE)	519(2)◆
154WK(Diode)	519(2)◆
155D04052B	4052B
155D04066B	4066B
155D040010	4001B
155DHC123P	74HC123
155N1	196
155T1	160
156	123A
156-0011-00	9914
156-0012-00	OBS-NLA
156-0013-00-A	910
156-0015-00	909
156-0017	903
156-0017-00	903
156-0048-00	912
156-0049-00	941
156-0053-00	923
156-0067-00	941M
156-0067-06	941M
156-0071-00	923D
156-032	130
156-043	130
156-043A	130
156-053	130
156-063	130
156-0148-00	7404
156-0151-00	915
156-0176-00	309K
156-0197	912
156-0197-00	912
156-0197-3306	912
156T1	160
156WHT	123A
157	159
157-007-9-001	109
157-009-9-001	5072A
157-047-9-001	109
157-100(MAG-Zener)	5019A
157-101(MAG-Zener)	5050A
157-110(MAG-Zener)	5020A
157-111(MAG-Zener)	5051A
157-120(MAG-Zener)	5021A
157-121(MAG-Zener)	5052A
157-130(MAG-Zener)	5022A
157-131(MAG-Zener)	5053A
157-140(MAG-Zener)	5023A
157-141(MAG-Zener)	5054A
157-150(MAG-Zener)	5024A
157-151(MAG-Zener)	5055A
157-160(MAG-Zener)	5025A
157-161(MAG-Zener)	5056A
157-170(MAG-Zener)	5026A
157-171(MAG-Zener)	5057A
157-180(MAG-Zener)	5027A
157-181(MAG-Zener)	5058A
157-190(MAG-Zener)	5028A
157-191(MAG-Zener)	5059A
157-200(MAG-Zener)	5029A
157-220(MAG-Zener)	5030A
157-240(MAG-Zener)	5031A
157-249(MAG-Zener)	5000A
157-250(MAG-Zener)	5032A
157-259(MAG-Zener)	5001A
157-270(MAG-Zener)	5033A
157-279(MAG-Zener)	5002A
157-280(MAG-Zener)	5034A
157-289(MAG-Zener)	5003A
157-300(MAG-Zener)	5035A
157-309(MAG-Zener)	5004A
157-330(MAG-Zener)	5036A
157-339(MAG-Zener)	5005A
157-360(MAG-Zener)	5037A
157-369(MAG-Zener)	5006A
157-390(MAG-Zener)	5038A
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157-430(MAG-Zener)	5039A
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184-12(Coronado)	199
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184A-1-12	121
184A-1-12-7	121
184A-1L	121
184A-1L8	121
184G(Korea)	123AP
184R	313
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184T2B	283
184T2C	162
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185-002	229
185-003	123A
185-004	123A
185-005	199
185-006	289A
185-007	152
185-008	282§
185-009	123A
185-010	199
185-011	177
185-012	177
185-013	109
185-014	116
185-015	139A
185-1(SYL)	210
185-6(RCA)	116
185-8	5603
185-9-01	5635
185-9-02	5635
185-12(Admiral)	159
185-12(Coronado)	159
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185T2A	283
185T2B	283
186-001	229
186-002	123A
186-003	199
186-004	199
186-005	199
186-006	289A
186-007	123A
186-008	186A
186-009	186A
186-010	282§
186-011	177
186-011(Diode)	177
186-011(Transistor)	282§
186-012	177
186-013	109
186-014	116
186-015	177
186-016	139A
186-1(MAG-IC)	4016B
186-1(SYL)	147A
186-11(Admiral)	165
186-11(Coronado)	165
186-12(Admiral)	165
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186B-3-12	121MP
186B-3-127	121MP
186B-3L	121MP
186B-3L8	121MP
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186N1(Last IF)	233
187-1	150A
187-1(SYL)	5047A
187-2	151A
187-2(SYL)	5050A
187-3	5029A
187-3(SYL)	5029A
187-4(SYL)	5031A
187-5(SYL)	5048A
187-6	140A
187-6(SYL)	5019A
187-7	5081A
187-7(SYL)	5019A
187-10(SYL)	5055A
187-11(SYL)	5021A
187-12	136A
187-12(Admiral)	291
187-12(Coronado)	196
187-12(SYL)	5011A
187-13(MAG-Zener)	5052A
187-13(SYL)	5052A
187-14(SYL)	5006A
187-15	5082A
187-15(SYL)	5032A
187-16(SYL)	5033A
187-17(SYL)	5007A
187-18(SYL)	5024A
187-19	5068A
187-19(SYL)	5008A
187-21(SYL)	5022A
187-23(SYL)	5030A
187-24(SYL)	5020A
187-26(SYL)	5015A
187-27(SYL-Zener)	5107T2
187-29(SYL)	5028A
187-31(SYL-Zener)	5029A
187-32(SYL-Zener)	5005A
187-33(SYL-Zener)	5035A
187-35(SYL-Zener)	5046A
187-36(SYL-Zener)	5027A
187-37(SYL-Zener)	5035A
187-38(SYL-Zener)	5016A
187-39(SYL-Zener)	5013T1
187-40(SYL-Zener)	5010A
187-45(SYL-Zener)	5015A
188-1(RCA)	123AP
188-1(SYL)	182§
188-2(SYL)	130
188-5	5675
188-12(Admiral)	292
188-12(Coronado)	197
188-68-35	120
188-70-48	120
188-826	121
188B-1-82	160
188C-1-82	100
188P-2	102A
188P-2-12	102A
188P-2-127	102A
188P-2L	102A
188P-2L8	102A
189	108
189-1(MAG-IC)	857M
189-1(SYL)	507
189-2(Admiral)	159
189-2(MAG)	165
189-2(MAG-IC)	857M
189-30-8484	163A
189L-4	102A
189L-4-12	102A
189L-4-127	102A
189L-4L	102A
189L-4L8	102A
189N1	238
189N1G	238
190-1(ROUND)	5304
190-1(SQUARE)	5314
190-1(SYL)	168
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190-3(MAG)	171
190A	6104
190AR	6105
190B	6104
190BRR	6105
190CR	6105
190D	6104
190DR	6105
190N1	171
190N1C	184
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190PA	6104
190PB	6104
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191-12(Coronado)	199
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192-10(Admiral)	124
192-10(Coronado)	124
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192-101(MAG-Zener)	5096A
192-110(MAG-Zener)	5074A
192-111(MAG-Zener)	151A
192-120(MAG-Zener)	142A
192-121(MAG-Zener)	5097A
192-130(MAG-Zener)	143A
192-131(MAG-Zener)	5098A
192-150(MAG-Zener)	145A
192-151(MAG-Zener)	5100A
192-160(MAG-Zener)	5075A
192-180(MAG-Zener)	5077A
192-181(MAG-Zener)	5103A
192-200(MAG-Zener)	5079A
192-201(MAG-Zener)	5105A
192-220(MAG-Zener)	5080A
192-240(MAG-Zener)	5081A
192-270(MAG-Zener)	146A
192-300(MAG-Zener)	5084A
192-330(MAG-Zener)	147A
192-339(MAG-Zener)	5066A
192-360(MAG-Zener)	5085A
192-369(MAG-Zener)	134A
192-390(MAG-Zener)	5086A
192-399(MAG-Zener)	5067A
192-430(MAG-Zener)	5087A
192-439(MAG-Zener)	5068A
192-470(MAG-Zener)	5088A
192-479(MAG-Zener)	5069A
192-510(MAG-Zener)	5089A
192-519(MAG-Zener)	135A
192-560(MAG-Zener)	5090A
192-569(MAG-Zener)	136A
192-620(MAG-Zener)	149A
192-629(MAG-Zener)	137A
192-680(MAG-Zener)	5092A
192-689(MAG-Zener)	5071A
192-750(MAG-Zener)	5093A
192-759(MAG-Zener)	138A
192-820(MAG-Zener)	150A
192-829(MAG-Zener)	5072A
192-910(MAG-Zener)	5095A
192-919(MAG-Zener)	139A
192-1120(NAP-Zener)	142A
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194-11(Admiral)	154
194-12(Admiral)	5404
194-42-9	109
194-42-29	109
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194N3D	165
195	199
195-10(Admiral)	124
195N1	152
195N1D	152
195N3	152
195P2	153
195P2C	197
195P4	153
196-10(Admiral)	94
196-654	116
197-1(MAG-IC)	74LS365A
197-2(MAG-IC)	74LS365A
198-1(MAG-RECT)	5342
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198T013P02	548
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200-010	108
200-011	128
200-015	108
200-016	123
200-018	175
200-052	159
200-053	312
200-055	108
200-056	108
200-057	123A
200-058	123A
200-064	312
200-076	152
200-12	128
200-846	123A
200-856	103A + 158(CP)
200-862	123A
200-863	123A
200-3055	130
200-6582	156
200-6582-22	5809
200A	103
200AGEL3731	127
200AGEO3730	127
200R1B	156
200R3B	5804
200R5B	5806
200R6B	5806
200R7B	156
200R8B	156
200R9B	156
200R10B	156
200RB4	5804
200X408S-415	290A
200X2100-022	1004
200X2110-269	712
200X2120-003	1080§
200X2120-033	1080§
200X2300-033	1471
200X2501-708	1196
200X2600-149	615A
200X2600-183	1546
200X2700-059	1758
200X3110-607	94
200X3145-404	94
200X3151-432	376
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200X3172-208	376
200X3172-208(Wells Gardner)	376
200X3174-006	85
200X3174-014	123AP
200X3174-014(Wells Gardner)	85
200X3174-021	85
200X3181-523	85
200X3189-304	389
200X3189-408	238
200X3190-604	107
200X3192-101	287
200X3206-800	198
200X3207-306	375
200X3222-907	399
200X3223-025	399
200X3224-007	287
200X3224-204	376
200X3248-217	399
200X4049-081	398
200X4056-260	290A
200X4082-614	290A
200X4085-415	290A
200X4094-001	398
200X4101-500	290A
200X4547-806	375
200X4547-814	375
200X4589-802	89
200X8000-001	109
200X8000-026	109
200X8010-094	519
200X8010-102	605A
200X8010-165	177
200X8100-130	552
200X8130-171	525
200X8220-531	5024A
200X8220-851	5019A
200X8220-878	5018A
201	159
201-0723A	5073A
201-15	102A
201-25-4343-12	108
201-254323-12	108
201-254323-13	108
201-254343-12	108
201-254343-13	107
201-254343-22	161
201-254343-26	161
201-254343-28	107
201-254343-30	107
201-254343-33	107
201-283818-1	222
201-283818-2	222
201-283818-3	222
201(5MM-MOV)	1V115
201(7MM-MOV)	1V115
201A	160
201A0723	5072A
201A(SCR)	5521
201B	160
201B(SCR)	5522
201C(SCR)	5524
201D(SCR)	5524
201E(SCR)	5527
201F(SCR)	5527
201H(SCR)	5527
201K(SCR)	5529
201M	5529
201P	5531
201S(SCR)	5531
201X2000-118	109
201X2010-144	519
201X2010-159	519
201X2010-165	177
201X2100-119	525
201X2100-126	552
201X2100-164	558
201X2120-009	552
201X2130-234	552
201X2220-118	5018A
201X2220-878	5049A
201X2230-042	5070A
201X3120-216	116
201X3120-255	116
201X3130-109	125
202-1	189
202-5-1000-55310	613
202-5-2300-01710	116
202-5-2300-01810	116(2)
202-5-2310-13020	116
202-5-2320-13110	116(2)
202-5-2320-13210	125(2)
202-5-2320-131101	116
202-5-2440-13040	125
202-5-2450-13540	116
202-5-2470-13540	116
202-5-2500-13541	116
202-5-2720-02015	5313
202-5-2720-04015	5313
202-5-2810-44210	177
202-5-3200-02410	5000A
202-5-3200-03310	5005A
202-5-3200-04710	5009A
202-5-3210-05110	5010T1
202-5-3210-05610	5011T1
202-5-3210-05620	5011T1
202-5-3210-06213	5013T1
202-5-3210-12010	5021T1
202-5-3210-13010	5022A
202-5-3210-13020	5022A
202-5-3210-15010	5024A
202-5-3210-15020	5024A
202-5-3210-16020	5025A
202-5-3210-18010	5027A
202-5-3210-22020	5030A
202-5-3230-06820	5071A
202-5-3230-18020	5077A
202-5-3230-22020	5079A
202-5-4620-01010	167
202-5-9110-18820	109
202-5-9110-18824	109
202-5-9531-01010	177
202-5-9600-44610	519
202-209	5069A
202A	103
202A(SCR)	5501
202B(SCR)	5502
202C(SCR)	5504
202D(SCR)	5504
202E(SCR)	5507
202F(SCR)	5507
202H(SCR)	5507
202K(SCR)	5509
202M	5529
202N1	189
202P	5531
202P1	189
202P2	189
202S	5531
203	116
203-1	222
203-2(MAG)	222
203-4	222
203-5-4570-73460	85
203-5-4570-73462	85
203-5-4921-01270	382◆
203-5-5000-53640	85
203-5-5000-53650	85
203-5-5000-53660	85
203-5-5000-53661	85
203-5-5000-53664	85
203-5-5000-53670	85
203-5-5000-536541	85
203-5-5000-536641	85
203-5-5083-33160	85
203-5-5100-53640	85
203-5-5100-53650	85
203-5-5100-53660	85
203-5-5100-53750	289A
203-5-5100-69372	199
203-5-5120-69351	199
203-5-5151-57170	199
203-5-5151-57179	199
203-5-5251-51701	199
203-5-5251-57069	199
203-5-5251-57079	199
203-5-5251-57089	199
203-5-5251-57160	199
203-5-5251-57169	199
203-5-5251-57170	199
203-5-5251-57189	199
203-5-5500-92950	107
203-5-5500-92960	107
203-5-5500-93040	107
203-5-6500-01410	451
203-5-6500-04140	451
203-5-6510-04160	451
203-5-6701-17560	289A
203-5-6711-17550	289A
203-5-6800-65950	290A
203-5-6810-65950	290A
203-5-6820-98450	290A
203-5-6830-43850	382
203-5-6840-56050	383
203-5-6850-40050	382
203-5-6870-54556	293
203-5-6870-54566	293
203-5-6870-54576	293
203-5-6900-40050	382
203-5-6940-54540	293
203-5-7000-92970	234
203-5-7200-60860	159
203-5-7230-60850	159
203-5-7230-60860	159
203-5-7252-27450	289A
203-5-7512-44150	373
203-5-7521-04750	374
203-5-8210-32550	152
203-5-8510-50740	153
203-5-8530-51450	153
203-5-8550-31340	152
203-5-8550-31350	152
203-5-8570-33040	152
203-5-8570-33050	152
203-5-8620-32540	152
203-5-8620-32560	152
203-6	222
203-7(MAG)	222

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
203-8(MAG)	222
203(Zener)	5029A
203A(SCR)	5521
203B(SCR)	5522
203C(SCR)	5524
203D(SCR)	5527
203E(SCR)	5527
203F(SCR)	5527
203H(SCR)	5527
203K(SCR)	5529
203M	5529
203P	5531
203S	5531
203S4D	222
203X3189-408	238
204-1	177
204-1(SYL)	177
204A(SCR)	5521
205-1(MAG-Diode)	555A
205-2(MAG-Diode)	555A
205-3(MAG-Diode)	553
205-4(MAG-Diode)	553
205-5-2341-41610	1512
205-5-9040-44210	177
205-5(MAG-Diode)	555A
205-14	375
205-142-G1	178MP
205A2-210	102A
206-5-0081-20113	1003
206-5-0081-20122	1003
206-5-0081-20123	1003
206-5-0131-22210	1227
206-5-0151-23010	788
206-5-0151-32010	788
206-5-0161-32110	1441
206-5-0171-24010	1214
206-5-0191-24510	1608
206-5-0483-36110	1248
206-5-0743-35011	1217
206-5-0743-35012	1217
206-5-0783-21011	1466
206-5-0793-16010	1170
206-5-0834-10214	1228
206-5-0944-05110	1150
206-5-1014-42010	1211§
206-5-1044-25010	1386§
206-5-1384-19220	1667
206-5-2341-41610	1512
206-5-5970-05010	1281
206-5-7260-06010	1346
206-5-7310-45750	1330
206-5-7320-45910	1330
206-5-7340-46170	1331
206-5-7340-46310	1331
206-14	398
206-709-001	909
206(IC)	1075A
207-8(Coronado)	128
207A1	160
207A3	102A
207A7	102A
207A9	108
207A10	123A
207A14	234
207A16	175
207A16A	175
207A17	199
207A20	104
207A20A	104
207A25	107
207A26	179
207A27	161
207A29	123A
207A30	152
207A31	123AP
207A32-B	5642
207A33	152
207A35	123A
207A(SCR)	5470
207B(SCR)	5471
207C(SCR)	5472§
207D(SCR)	5472§
207E(SCR)	5474§
207H(SCR)	5485§
207K(SCR)	5487§
207M(SCR)	5487§
207V073C04	159
208RP10	5587
208RP20	5587
208RP30	5587
208RP40	5587
208RP50	5587
208RP60	5587
208RP80	5589
209-1	159
209-30	152
209-31	109
209-32	177
209-846	123A
209-856	103A + 158(CP)
209-862	123A
209-863	123A
209A(LED)	3007
209P1	159
210ATTF3638	159
210BWTF4121	106
211-58	5804
211-40140-18	130
211A6380-1	130
211A6380-3	152
211A6381-1	175
211A6381-2	152
211A6381-i	175
211A6382-2	152
211AESU3055	130
211ATPE3391	159
211AVPF3415	123A
211AVTE4275	123A
211Z4	141A
212-00102	500A
212-00104	500A
212-00128	521
212-00130	521
212-012	500A
212-013	500A
212-18	116
212-21	116
212-23	116
212-25	116
212-27	116
212-33	116
212-35	116
212-36	116
212-37	116
212-39	116
212-40	116
212-41	116
212-42	116
212-46	120
212-47	116
212-48	116
212-49	116
212-50	116
212-51	116
212-58	116
212-61	116
212-62	116
212-63	120
212-64	116
212-65	116
212-66	502
212-67	502
212-68	506
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212-71	116
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212-76	116
212-76-01	116
212-76-02	116
212-76-03	116
212-77	116
212-79	116
212-80	506
212-85	118
212-85B	118
212-87-01	714
212-92	116
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212-94B	116
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212-96	519
212-102	521
212-103	521
212-104	521
212-105	521
212-106	521
212-108	501B
212-109	501B
212-110	501B
212-128	521
212-129	521
212-130	521
212-130X	521
212-131	521
212-132	521
212-133	521
212-134	521
212-135	521
212-136	521
212-137	521
212-138	521
212-139	521
212-139-01	521
212-139-02	521
212-139-03	522
212-140	521
212-140-01	521
212-141	523/3306
212-141-01	523/3306
212-141-02	526A
212-141-03	526A
212-141-04	526A
212-141-05	526A
212-142	522
212-142-01	522
212-142-02	522
212-143	530
212-144	530
212-145	528
212-145-01	528
212-145-02	528
212-146	528
212-146-01	528
212-146-02	528
212-147	559
212-147-01	559
212-148	560
212-148-01	560
212-149	561
212-150	562
212-192	116
212-254	116
212-695	123A
212-699	159
212-741-005	5485§
212-997	197
212-Z9500A	500A
212-Z9501B	501B
212-Z9521	521
212-Z9522	522
212-Z9523	523/3306
212-Z9526A	526A
212-Z9528	528
212-Z9529	529
212-Z9530	530
212-Z9531	531
212-Z9532	532
212-Z9533	533
212-Z9534	534
212-Z9535	535
212-Z9536	536A
212-Z9536A	536A
212-Z9537	537
212-Z9538	538
212-Z9539	539
212-Z9549	549
212-Z9550	550
212-Z9554	554§
213-1(NAP)	287
213-2(NAP)	287
213N1	128
213N2	128
214-295(Zenith)	552
215-51	116
215-58	116
215-76(GE)	116
215-37567	199
215Z4	145A
216-001-001	152
216N2	165
217-1	108
217-1(MAG)	392
217-2(MAG)	130
217-3(MAG)	392
217-4(MAG)	130
217-5(MAG)	130
217(RCA)	161
217N1	392
217N1D	280
217N2	130
217N3	392
217N4	130
217N5	130
218-22	123A
218-23	123A
218-24	123A
218-25	123A
218-26	128
218-A-464-PM	5695
218A4164P1M	5695
219-7(SYL)	113A
220	175
220-001001	123A
220-001002	123A
220-001011	108
220-001012	108
220-002001	131
220-003001	116
220-008001	312
220-1(NAP-Diode)	519
220(5MM-MOV)	1V014
220(7MM-MOV)	1V014
220C4	5534A
221-0048	712
221-30	909
221-31	703
221-32	703
221-34	708
221-36	705A
221-37	705A
221-37A	705A
221-39	705A
221-39A	705A
221-40	707
221-41	707
221-42	714
221-42-1	714
221-43	715
221-43-1	715
221-45	731
221-45-01	731
221-46	713
221-46-1	713
221-48	712
221-48-01	712
221-49	739
221-51	713
221-52	713
221-62	790
221-62-1	790
221-64	1112
221-65	722
221-69	791
221-69-KO	791
221-76	767§
221-77	810A
221-79	722
221-79-01	722
221-80	1112
221-82	807
221-86	836
221-86-01	815
221-86-1	815
221-87	714
221-87-01	982
221-89	736
221-90	723
221-91	801
221-91-01	801
221-93	976
221-96	818
221-96-01	818
221-96C	818
221-97	843
221-97-01	843
221-98	1231
221-98A5	1231
221-101-01	966
221-103	849
221-104	700
221-105	701
221-105-01	701
221-106	702
221-106-01	702
221-107	744
221-108	788
221-111	960
221-114	800
221-121	834
221-121B-01	834
221-129	987
221-129A-01	987
221-132	863§
221-140	845
221-141	815
221-150	867
221-158	1231A
221-158-01	1231A
221-158-02	1231A
221-158-03	1231A
221-158-02001	1231A
221-164	867
221-166	960
221-166-02	964
221-166-04	966
221-166-07	972
221-166-4	966
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221-172	846
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221-179-01-E-01	873
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221-179-1	873
221-179-E-01	873
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221-182-01	4081B
221-182-07	4075B
221-182-08	4001B
221-187	1682
221-188	987
221-190	878
221-190-01	875
221-190-01A	875
221-190 E-01	878
221-192-00	967
221-192-01	961
221-193	849
221-193A	849
221-202	1294
221-213	960
221-213-00	960
221-213-04	966
221-213-4	966
221-230	1576
221-233	1672
221-234	1720
221-235	992
221-240	778A
221-261	880
221-261B03	880
221-268	1942
221-291	7002
221-303	1744
221-316	1380
221-346	7016
221-347	1788
221-347-01	1788
221-364	2117
221-384	7017
221-384-01D-02	7017
221-384A01	7017
221-422-01	1374
221-437-00	1862
221-466	7096
221-467	1790
221-468	1782◆
221-475	1859
221-475C	1859
221-476	1860
221-476D	1860
221-503	229
221-516	7015
221-561	1863
221-578	1798
221-4757D04	1859
221-4767D02	1860
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221(7MM-MOV)	1V130
221(SEARS)	123A
221G3114	903
221G3114-1	903
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221-Z9143	910
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223	108
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223-18-01	1776
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223P1AA	159
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225-3(MAG-MOV)	2V095
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225A6946-P003	7403
225A6946-P004	7404
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235-1(NAP-Opto)	3033
235-8(SYL)	109
236-0002	9932
236-0003	9946
236-0004	9093
236-0005	7400
236-0006	7403
236-0007	7404
236-0008	7405
236-0009	7473
236-0012	9807
236-0015	9601
236-0017	9962
236-0018	7420
236-0021	7486
236-0022	941D
236-0023	778A
236-0024	4001B
236-0025	4016B
236-0025-1	4016B
236-0026	4011B
236-0027	4013B
236-0028	4030B
236-0029	7408
236-0030	7486
236-0031	4006B
236-0032	4024B
236-0033	980
236-0035	902
236-0036	910D
236-0038	976
236-0039	7426
236-0040	7474
236-0041	74164
236-0042	7402
236-0043	7409
236-0044	7420
236-0045	7430
236-0046	7432
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236-0055	951
236-0059	74H86
236-0061	4015B
236-0062	4023B
236-0063	4069
236-0064	955M
236-0065	4071B
236-0066	4081B
236-0070	74C00
236-0073	969
236-0075	968
236-0082	931
236-0085	2041§
236-0090	4042B
236-0091	4043B
236-0092	4050B
236-0093	4051B
236-0094	4072B
236-0095	4073B
236-0096	4075B
236-0097	4082B
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236-0100	4078B
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240E20	6106
240E20R	6107
240E30	6106
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240E40	6106
240E40R	6107
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240PAL50	5380
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240PAL100	5381
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240PAM10	5380
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247-626	128
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249-519(MAG-Zener)	5010T1
249-569(NAP-Zener)	5011T1
249-629(NAP-Zener)	5013T1
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250-0359	152
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250-0380	229
250-0711	199
250-0712	123A
250-1(MAG)	171
250-1(SYL)	600
250-2(MAG)	171
250-3(MAG)	171
250-1213	289A
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250(7MM-MOV)	1V150
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250DC15	6354
250FC15	6354
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250JB05P	5322
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250PAC40	5591
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250PAL30	5380
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250PAL50	5380
250PAL60	5380
250PAM10	5380
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250S10K	2V250
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251F5S	6357◆
251F6S	6357◆
251F8S	6359◆
251F10S	6359◆
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251RA50	5587◆
251RA60	5587◆
251RA80	5589◆
251RA100	5589◆
251RA110	5589◆
251RA120	5589◆
251RC10	5587
251RC20	5587
251RC30	5587
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251RC50	5587
251RC60	5587
251RC80	5589
251RL60	5377◆
251RL80	5378◆
251RL100	5378◆
251RL110	5378◆
251RL120	5378◆
251RLD60MX	5377
251RLD110MX	5378
251RM60	5377◆
251RM80	5378◆
251RM100	5378◆
251RM110	5378◆
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253-6(MAG-Zener)	142A
253-7(MAG-Zener)	5097A
253-8(MAG-Zener)	5082A
253-10(MAG-Zener)	5096A
253-12(MAG-Zener)	5094A
253-13(MAG-Zener)	135A
253-14(MAG-Zener)	142A
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253PJA100	6112
254-1(MAG-Zener)	5047A
254-2(MAG-Zener)	5050A
254-3(MAG-Zener)	5029A
254-4(MAG-Zener)	5031A
254-5(MAG-Zener)	5048A
254-6(MAG-Zener)	5019A
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254-10(MAG-Zener)	5055A
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254-12(MAG)(Zener)	5011A
254-13(MAG-Zener)	5052A
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254-18(MAG-Zener)	5024A
254-19(MAG-Zener)	5008A
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254-26(MAG-Zener)	5015A
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254-32(MAG-Zener)	5005A
254-33(MAG-Zener)	5035A
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254-36(MAG-Zener)	5027A
254-37(MAG-Zener)	5035A
254-38(MAG-Zener)	5016A
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260D00507	109
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260P07702	123A
260P07703	123A
260P07704	123A
260P07705	123A
260P07707	123A
260P07901	108
260P08001	108
260P08201	159
260P08401	108
260P08601	175
260P08801	123A
260P08801A	123A
260P08901	165
260P08908	283
260P09201	161
260P09402	124
260P09501	164
260P09508	164
260P09701	165
260P09902	123A
260P1060	108
260P1300	126A
260P1601	161
260P1760	107
260P2100	102A
260P4002	123A
260P10003	128
260P10003A	128
260P10005	128
260P10301	154
260P10403	108
260P10501	108
260P10502	108
260P10601	161
260P10602	108
260P10707(BCE)	85
260P10801	154
260P11101	108
260P11101A	108
260P11102	233
260P11209	165
260P11302	123A
260P11303	123A
260P11304	123A
260P11305	123A
260P11403	159
260P11502	123A
260P11503	123A
260P11504	123A
260P11505	123A
260P12001	123A
260P12002	123A
260P12401	128
260P12481	128
260P12701	152
260P13001	126A
260P13604	128
260P13704	129
260P14101	85
260P14102	123A
260P14103	123A
260P14105	123A
260P14202	196
260P14203	196
260P14407	375
260P14501	229
260P15100	124
260P15108	124
260P15201	159
260P15202	159
260P15203	159
260P16009	175
260P16101	161
260P16202	124
260P16208	124
260P16301	108
260P16302	108
260P16502	290A
260P16503	290A
260P16504	159
260P16603	290A
260P16604	290A
260P16802	298
260P16805	298
260P17002	128
260P17101	123AP
260P17102(BCE)	85
260P17103	123AP
260P17104	123A
260P17105(BCE)	85
260P17106	123A
260P17201	108
260P17501	85
260P17502	85
260P17503	123A
260P17601	107
260P17602	108
260P17603	107
260P17605	107
260P17701	85
260P17702	161
260P17704(BCE)	85
260P17705	199
260P17706	85
260P17901	185◆
260P19009	162
260P19101	123A
260P19103	123A
260P19108	164
260P19208	165
260P19501	123A
260P19503	199
260P19909	162
260P20101	175
260P21001	100
260P21002	100
260P21102	186
260P21104	300
260P21106	210
260P21208	124
260P21308	186
260P21608	165
260P21901	162
260P21908	94
260P22001	312
260P22002	312
260P22003	312
260P22004	459
260P22101	154
260P22203	154
260P22204	191
260P22801	186A
260P24008	130
260P24108	165
260P24308	164
260P24408	163A
260P24803	175
260P24901	161
260P25503	290A
260P25504	290A
260P25601	290A
260P25604	290A◆
260P26003	288
260P26201	288
260P26301	187A
260P26302	187A
260P27901	379
260P28003	287
260P28103	289A
260P28104	289A
260P28107	289A
260P28401	152
260P28701	186
260P30008	165
260P30701	399
260P31303	289A
260P31402	297
260P33108	165
260P33408	164
260P33802	289A
260P33803	289A
260P33804	289A
260P33805	199
260P33805(ECB)	47
260P33806	289A
260P34008	292
260P34202	196
260P34501	94
260P34602	376
260P35101	376
260P35301	287
260P35401	198
260P35502	198
260P35601	107
260P35908	389◆
260P36001	290A
260P36003	290A
260P36101	295
260P36201	235
260P36501	108
260P37108	291
260P37504	234
260P38001	399
260P38101	238
260P38501	399
260P38601	399
260P38701	382
260P38702	382
260P39008	165
260P39201	56
260P41603	289A
260P41604	289A
260P41605	289A
260P41802	373
260P41904	289A
260P41905	289A
260P42002	375
260P42003	375
260P42201	399
260P42502	157
260P42504	157
260P42706	196
260P42807	375
260P43201	89
260P43202	89
260P43501	89
260P44701	2302
260P45503(BCE)	2357
260P46901	288
260P52301	399
260P55904	85
260P56001	290A
260P56201	290A
260P56305	56#
260P57101	2501
260P60401	2357
260P60601	2331
260P60701	2331
260P60801	2331
260P70403	108
260P70501	108
260P70502	108
260P141103	123A
260P166040	290A
260P254010	2362
260P255040	290A
260P256010	290A
260P256030	290A
260P256040	290A
260P325030	24
260P338040	289A
260P338050	289A
260P356010	107
260P360030	290A
260P385010	399
260P387010	382
260P387030	382
260P416020	289A
260P416030	289A
260P416040	289A
260P419030	289A
260P419040	289A
260P422010	399
260P428020	375
260P428070	375
260P469010	288
260P469020	288
260P559010	85
260P559030	85
260P559050	85
260P560040	290A
260P560050	290A
260P571010	2501
260P573020	398#
260P574020	375#
260P603010	2358
260P604010	2357
260P606010	2331
260P607010	2331
260P608010	2331
260P632010	2357
260P654020	85
260P§338040	289A
260Z00109	108
260Z00209	108
260Z00309	108
260Z00401	192§
260Z00402	123A
260Z00703	158
260Z01201	158
261-02(Zenith)	552
261-03(Zenith)	552
261-1(MAG-Diode)	552
261RAX	192§
262-1(MAG-Diode)	125
262-2(NAP-Diode)	125
263P05209	4052B
263P06602	4066B
263P17402	40174B
263P299010	74HC02
263P701010	74HC4053
264-1(MAG-Diode)	580
264-701508	125
264D00101	177
264D00209	177
264D00505	116
264D00507	5070A
264D00612	109
264D00701	109
264D00801	110MP
264D00901	109
264D0701	110MP
264D01001	109
264D01112	116
264D03503	116
264D11003	5071A
264P0080	109
264P00401	109
264P00501	113A
264P00502	113A
264P00506	113A
264P00601	116
264P00602	125
264P00801	109
264P01011	116
264P01012	116
264P01301	5012A
264P01305	109
264P01306	109
264P01508	119
264P01701	506
264P02001	116
264P02104	118
264P02301	506
264P02402	116
264P02501	135A
264P02502	5072A
264P03001	116
264P03301	5070A
264P03302	5074A
264P03303	142A
264P03401	112
264P03601	558
264P03603	506
264P03604	558
264P03605	506
264P03607	116
264P03703	156
264P03802	109
264P04003	145A
264P04005	136A
264P04206	504
264P04301	116
264P04303	125
264P04402	552
264P04501	519
264P04502	519
264P04504	519
264P04506	519
264P04507	519
264P04508	519
264P04701	506
264P04702	116
264P04703	116
264P04705	506
264P04801	116
264P04901	116
264P05001	116
264P05002	116
264P05502	611
264P06301	102A
264P06601	116
264P06603	506
264P06606	116
264P07501	613
264P08002	116
264P08801	116
264P08901	502
264P08902	503
264P09001	125
264P09101	506
264P09301	142A
264P09501	506
264P09703	140A
264P09707	5067A
264P09801	116
264P045040	519
264P045080	519
264P4501	519
264P10102	552
264P10103	116
264P10105	116
264P10106	125
264P10201	558
264P10202	558
264P10210	558
264P10308	145A
264P10403	5010T1
264P10405	5018A
264P10502	142A
264P10502(Zener)	50074A
264P10505	5072A
264P10507	139A
264P10906	5075A
264P11001	136A
264P11003	5014A
264P11004	5021A
264P11007	5085A
264P11009	147A
264P11701	177
264P12303	112
264P13002	552
264P14002	503
264P14408	144A
264P14409	5078A
264P14601	558
264P14701	125
264P15501	140A
264P17401	5071A
264P17402	143A
264P17801	613
264P18801	5804
264P19303	5010A
264P19304	5002A
264P19305	5004A
264P19306	5021A
264P19308	5018A
264P20001	5313
264P20006	5313
264P22001	5014A
264P22005	5019A
264P22006	5019A
264P22007	5025A
264P22008	5007A
264P22103	5021A
264P22104	5031A
264P22105	5011T1
264P22107	5025A
264P22202	5023A
264P22203	50131
264P22205	5019A
264P22206	5035A
264P22208	5019A
264P23101	558
264P24401	615A
264P28501	116
264P29004	5021T1
264P29101	5031A
264P29102	5011A
264P29104	5014A
264P29205	5013T1
264P29401	116
264P30101	177◆
264P33004	144A
264P33009	144A
264P34107	5013T1
264P34109	5009A
264P34203	5035A
264P34204	5021A
264P34206	5000A
264P34207	5008A
264P34209	5011A
264P34702	3074
264P39802	5304◆
264P45001	552
264P46004	5009A
264P46006	5010A
264P46106	5012A
264P46302	5016A
264P46402	5019A
264P46502	5021A
264P47003	5035A
264P50203	5010T1
264P51201	5330◆
264P52103	552
264P102020	558
264P157010	558
264P157040	558
264P231010	552
264P244010	615A
264P244020	615A
264P285010	116
264P295020	552
264P295030	558
264P341020	5020A
264P341090	5009A
264P358040	580
264P358070	580
264P358090	588
264P389010	112
264P460040	5009A
264P460050	5009A
264P460060	5010T1
264P460090	5011A
264P462020	5014A
264P462080	5016A
264P463010	5015A
264P463020	5016A
264P463050	5018A
264P463060	5018A
264P463080	5018A
264P463090	5019A
264P464060	5019T1
264P465010	5021A
264P465060	5021T1
264P467090	5030A
264P469050	5033A
264P470040	5035A
264P471010	5037A
264P471020	5036A
264P483080	135A
264P484020	136A
264P485050	138A
264P485060	138A
264P486020	5072A
264P486080	140A
264P487070	142A
264P487090	142A
264P488020	5022A
264P488080	145A
264P490040	5080A
264P491090	5084A
264P501040	5004A
264P501050	5004A
264P501090	5008A
264P502030	5010T1
264P508010	5332
264P512010	5331
264P512020	5311
264P512030	5329◆
264P521030	552
264P521040	552
264P522010	552
264P528010	525
264P543010	552
264P544010	5304
264P544090	5304
264P550010	3010
264P825010	116
264Z00201	116
264Z00701	109
265D00702	177
265P03301	601
265Z00101	177
266-1(MAG-Diode)	177
266-1F(MAG-Diode)	177
266M00101	1100
266P001-01	704
266P001-02	704
266P00101	704
266P00102	704
266P00301	1096
266P00602	1099
266P00801	1096
266P01001	615A
266P01002	615A
266P016010	1781
266P6034	1183§
266P10101	749
266P10103	749
266P10201	747
266P10202	747
266P10601	1430§
266P11301	1545
266P11601	1413
266P12101	1728
266P13601	1791
266P19201	1658
266P20402	1298
266P28101	1744
266P30102	712
266P30103	712
266P30109	712
266P30201	1075A
266P30402	1003
266P30409	1003
266P30601	1029
266P30706	1103
266P31001	801
266P31101	1049
266P31601	1659
266P32001	1169
266P32101	1256§
266P32102	1256§
266P32301	712
266P32302	712
266P32401	1260§
266P32801	788
266P32901	1278
266P33301	1290
266P35001	1217
266P35301	1246
266P35801	1219
266P36402	1218◆
266P38401	1879
266P38802	1780
266P40201	1245
266P50101	1403
266P60304	1183§
266P60502	738
266P61401	1297
266P62103	941M
266P63001	1547
266P71001	1194§
266P71301	719
266P75201	917
266P92304	977
266P93402	966
266P154010	943M
266P384010	1879
266P519010	1735
266P922010	960
266P922020	960
266P923010	1902
266P923020	1902
266P931010	1910
266P934020	966
266P934040	966
266P934060	960
267-1(MAG-Diode)	552
267-2(MAG-Diode)	552
267P73601	1748
267P90202	1548§
267P90205	1546
267P91002	1777
267P91003	1776
267P91006	1777
267P925010	1777◆
268-1(MAG-Diode)	519
268-2(NAP-Diode)	519
268P03301	3098
268P033010	3098
269M01201	519
269P19009	162
269V004-H01	113A
270-950-030	123A
270-950-037-02	128
270(5MM-MOV)	1V017
270(7MM-MOV)	1V017
271-1(MAG-Diode)	125
271-2(MAG-Diode)	125
271-3(MAG-Diode)	125
271-4(MAG-Diode)	125
272-1(MAG-IC)	1174
272A(MOV)	1V017
272M(IC)	1854M
272P01401	1801
272P026010	1847
272P14001	1798
272P15901	1684
272P23801	1863
272P140010	1798
272P184010	7066
272P188010	7067
272P237010	987
272P238010	1863
272P238020	1863
272P239010	1855
272P239020	7085
272P239030	7104
272P239040	7039

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
272P461010	7010
272P630010	7054
274	729
274-1(NAP-Opto)	3017
274-2(NAP)	3017
274S07K	1V275
275-1(MAG-IC)	829
275-1(SYL-IC)	4094B
275-2(MAG-Diode)	525
275-3(MAG-Diode)	525
275E05	6106
275E05R	6107
275E10	6106
275E10R	6107
275E20	6106
275E20R	6107
275E30	6106
275E30R	6107
275E40	6106
275E40R	6107
275E50	6106
275E50R	6107
275E60	6106
275E60R	6107
275E70	6106
275E70R	6107
275E80	6106
275E80R	6107
275E90	6106
275E90R	6107
275E100	6106
275E100R	6107
275E120	6106
275E120R	6107
275L(MOV)	2V275
275L4	1V275
275L20(MOV)	2V275
275L40(MOV)	524V27
275L40B(MOV)	524V27
275S05K	1V275
275S10K	2V275
275S14K	2V275
275S20K	524V27
276-053	3057
276-2027	153
276-2042	249
276A01	704
277-1	109
277-14(AOC)	398
278-1(MAG)(Zener)	5134A
278-1(MAG-Zener)	5134A
278-2(MAG-Zener)	5130A
278-3(MAG-Zener)	5116A
278-4(MAG-Zener)	5127A
278-5(MAG-Zener)	5116A
278-6(NAP-Zener)	5127A
278-7(MAG-Zener)	5135A
278-9(MAG-Zener)	5116A
278-10(MAG-Zener)	5127A
278-14(AOC)	375
278RS100	5589◆
278RS120	5589◆
279-09(Zenith)	5009A
279-1(SYL)	103A
279-19ITT	5019A
279-22(Zenith)	5022A
280-0001	1100
280-0002	801
280-07	5547
280-1(MAG-Zener)	5152A
281	123A
281-1(MAG-Diode)	125
282-1(MAG-IC)	1566
282-1(SYL)	124
283-1(MAG-IC)	1292§
284-1(MAG-Rect)	5314
284HC	123A
285-1(MAG IC)	928M
285-1(MAG-IC)	928M
285-1(MAG-LED)	3017
285-2(MAG IC)	928M
285-2(MAG-IC)	928M
285-3(MAG-IC)	928M
286-1(NAP)	3033
287-1(MAG)	3043◆
287G1336C	580
288-0550	1115A
288-1(MAG-Diode)	615A
288(Sears)	116
289-1(MAG-IC)	4070B
290-1(MAG-Diode)	558
290-2(MAG-Diode)	558
290-1003	177
290V034C01	125
290VO2H69	108
291-04	116
291-20	116
292-10	116
293-1(MAG)	162
293-2(MAG)	162
294	159
294-1(MAG)	123AP◆
294-1(MAG-IC)	851
294-2(MAG)	123AP◆
294-3(MAG)	123AP◆
294-42-9	109
294-92-2	123AP
295-01(Zenith)	177
295-03	552
295-1(RCA)	7575
295-1(Zenith)	177
295-2(RCA)	763§
295(Zenith)	558
295L001H01	116
295L001M01	116
295L001M02	116
295L002M03	5809
295L003M01	116
295V002H01	116
295V003H01	118
295V003M01	118
295V005H02	116
295V005H03	109
295V006H01	116
295V006H02	116
295V006H03	116
295V006H05	116
295V006H06	5809
295V006H07	116
295V006H08	5809
295V006H09	116
295V007H02	116
295V008H01	116
295V012H01	116
295V012H02	116
295V012H03	116
295V012H06	116
295V014H01	116
295V014H04	116
295V015H02	116
295V016H01	116
295V017H01	116
295V020B01	116
295V020H01	116
295V023H01	116
295V027C01	116
295V027C01-1	116
295V028C01	116
295V028C02	116
295V028C03	116
295V028C04	125
295V029C01	116
295V029C02	116
295V031B	119
295V031B02	120
295V031C02	120
295V033B01	118
295V034C01	119
295V035C01	116
295V041H04	121
296	172A
296-18-9	102A
296-19-9	102A
296-42-9	109
296-46-9	160
296-50-9	123A
296-51-9	123A
296-55-9	199
296-56-9	123A
296-58-9	128
296-59-9	123A
296-60-9	102A
296-61-9	131
296-62-9	102A
296-64-9-1	158
296-77-9	123A
296-81-9	128
296-86	229
296-98-9	123A
296(Regency)	152
296(SEARS)	172A
296L002B01	519
296L003B01	142A
296V001H01	358
296V001M01	358
296V002H01	109
296V002H02	109
296V002H05	109
296V002H06	109
296V002H07	109
296V002H08	109
296V002M01	109
296V004H01	113A
296V006H02	109
296V006H03	116
296V007H02	109
296V011H03	143A
296V012H01	109
296V015B01	109
296V015H01	109
296V017H01	142A
296V018B01	142A
296V019B04	141A
296V020B01	177
296V020B02	116
296V023C	358B§
296V024B02	177
296V034C01	119
297L001H01	103A
297L001H02	103A
297L001H03	102A(2)
297L001M01	103A
297L001M02	102A
297L001M03	102A(2)
297L002H01	102A
297L005H01	102A
297L006H01	123A
297L006H02	123A
297L007C	199
297L007C02	123A
297L007C03	199
297L007H01	123A
297L007H02	123A
297L007H03	123A(2)
297L008C02	128(2)
297L008H01	128(2)
297L010C	234
297L010C01	234
297L011C01	107
297L012C-01	106
297L012C01	159
297L013B01	123A
297L013B02	159
297L015C01	199
297V002H03	103A
297V002H04	103A
297V002H05	103A
297V002M04	103A
297V002M05	103A
297V003H02	102A(2)
297V003H03	102
297V003H06	102A(2)
297V003H08	102A(2)
297V003H09	102A
297V003M01	102
297V003M07	102
297V004H01	102A
297V004H03	102A
297V004H04	102A
297V004H06	102A
297V004H08	102A
297V004H09	102A
297V004H10	102
297V004H11	102A
297V004H14	102
297V004H15	102
297V004H16	102
297V004M01	102
297V005H01	102A
297V008H01	100
297V008M01	160
297V010H01	102A(2)
297V010M01	102A(2)
297V011H01	126A
297V011H02	100
297V012H01	126A
297V012H02	100
297V012H03	100
297V012H04	160
297V012H05	100
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297V012H07	160
297V012H08	100
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297V012H12	160
297V012H13	160
297V012H14	102
297V012H15	126A
297V017H01	100
297V017H02	100
297V018H01	102A
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297V019B04	141A
297V019H01	100
297V020H01	160
297V020H02	100
297V020M01	100
297V021H01	100
297V021H02	100
297V021H03	100
297V022H01	100
297V024H01	160
297V024H03	160
297V025H02	102
297V025H03	102A(2)
297V025H04	102
297V025H05	102
297V025H15	102
297V026H01	126A
297V026H03	100
297V027C01	116
297V027H01	102
297V032H01	102
297V033H01	102
297V034H01	126A
297V035H01	126A
297V036H01	126A
297V036H02	126A
297V037B02	102A
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297V037H02	102
297V038H01	100
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297V038H03	160
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297V038H05	100
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297V038H10	126A
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297V038H12	126A
297V040H01	102
297V040H08	102
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297V040H11	102
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297V040H13	102
297V040H15	121
297V040H16	102
297V041H01	121MP
297V041H02	121
297V041H03	121
297V041H04	121
297V041H05	104
297V041H06	121
297V041H07	104
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297V042C02	102
297V042C03	102
297V042C04	102
297V042H01	102
297V042H02	102
297V042H03	126A
297V042H04	126A
297V043H01	102
297V043H02	102
297V044H01	100
297V045H01	126A
297V045H02	126A
297V049H01	123
297V049H03	123
297V049H04	123
297V049H05	123A
297V049H06	128
297V050C02	102A
297V050H01	120
297V050H02	120
297V050H03	102
297V051C03	102
297V051C04	102
297V051H01	102
297V051H02	102
297V051H03	102
297V051H04	102A
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297V052H01	102A
297V052H02	102
297V052H04	102A
297V053C01	102
297V053H01	102A
297V053H02	102A
297V054C01	100
297V054C02	100
297V054H01	126A
297V054H02	126A
297V055C01	100
297V055H01	126A
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297V059H02	123
297V059H03	123
297V060H01	124
297V060H02	124
297V060H03	124
297V061C01	130
297V061C01A	130
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297V061C02A	130
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297V061C04	123
297V061C05	128
297V061C06	123
297V061C07	123A
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297V061H03	123A
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297V062C05	121
297V062C06	128
297V063C01	126A
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297V065C01	126A
297V065C02	126A
297V065C03	126A
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297V065H02	100
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297V071C03	124
297V071H03	124
297V072C01	108
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297V072C05	128
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297V073C03	159
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297V074C04	123
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297V074C07	123A
297V074C08	123A
297V074C09	108
297V074C10	128
297V074C11	129
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297V076B01	102
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297V077C01	126A
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297V078C02	108
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297V081C01	102A
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297V082B02	129
297V082B03	129
297V083C01	159
297V083C02	123A
297V083C03	129
297V083C04	128
297V084C01	157
297V085C01	123A
297V085C02	123A
297V085C03	123A
297V085C04	123A
297V086C01	159
297V086C02	123A
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297V086C04	185
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298-1(NAP-IC)	4538B
299-1(MAG-IC)	1439
299-1(NAP-Diode)	587
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299D09002	5010A
299D09005	519
299D13101	5023A
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300-1(MAG)	3041
300-1(SYL-IC)	712
300C043	128
300E	6154
300L4	1V300
300PA60	5591
300PA80	5592
300PA100	5592
300PA110	5592
300PA120	5592
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300PAC40	5591
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300PAC60	5591
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300R2B	5802
300R3B	5804
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300R7B	5808
300R8B	5808
300RA50	5587
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300RB120	5589
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301AL	9301
301CJ	9301
301CL	9301
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301RA50	5587◆
301RA60	5587◆
301RA80	5589◆
301RA100	5589◆
301RA110	5589◆
301RA120	5589◆
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301RC20	5587
301RC30	5587
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301U80	6358
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301U100	6358
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301U120	6362
301U140	6362
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302-00985	280
302-01403	199
302-1(RCA)	123AP
302-2(MAG-Zener)	5011T1
302-3(MAG-Zener)	5021T1
302-5	9302
302-5D	9302
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302-6(MAG-Zener)	5019T1
302-100	5640
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302-400	5642
302-488-1	1115A
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302A	5986
302AJ	9302
302AL	9302
302B	5982
302C	5986
302CJ	9302
302CL	9302
302D	5986
302E	5988
302F	5988
302G	5990
302H	5990
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302P	5998
302S	5998
302V	6002
302Z	6002
303-1(MAG-IC)	1416
303-1(Rad Shk)	159
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303-1(SYL-IC)	2201§
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303-2(RCA)	159
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303-5(RCA)	159
303-5D	9303
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303-7(RCA)	159
303(RCA)	159
303A	5986
303AJ	9303
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303H	5990
303H-5	9303
303H-5D	9303
303H-5N	9303
303K	5992
303M	5994
303P	5998
303S	5998
303V	6002
303Z	6002
304-1(MAG-IC)	1445§
304-1(SYL)	102A
304A	5874
304AJ	9304
304AL	9304
304B	5874
304C	5878
304CJ	9304
304CL	9304
304D	5878
304F	5878
304H	5878
304K	5882
304M	5882
304P	5886
304S	5886
304V	5890
304Z	5890
305-001002	128
305-001010	281
305-001011	183§
305-001012	290A
305-001015	290A
305-001020	292
305-001021	292
305-001024	187A
305-001043	234
305-002009	285
305-002010	292
305-002011	281
305-002012	153
305-002013	197
305-003001	179
305-003003	199
305-003006	289A
305-003007	324
305-003010	199
305-003011	289A
305-003016	289A
305-003017	123A
305-003022	284
305-003024	199
305-003025	289A
305-003026	195A
305-003028	289A
305-003029	289A
305-003034	295
305-003039	289A
305-003042	199
305-003043	199
305-003044	186A
305-003045	280
305-003046	373
305-003047	289A
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305-003049	192§
305-003050	289A
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305-003052	289A
305-003053	152
305-003054	199
305-003055	291
305-003056	289A
305-003057	291
305-003058	199
305-003059	289A
305-003060	199
305-003062	199
305-003063	229
305-003064	199
305-004005	152
305-004007	152
305-004008	291
305-004010	284
305-004013	284
305-004014	108
305-005002	312
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305-009002	6402§
305-047-9-002	724
305-01001	290A
305-01004	187A
305-01006	290A
305-01008	290A
305-01009	219
305-01013	153
305-01014	290A
305-02010	292
305-03001	123A
305-03002	289A
305-03014	123AP
305-03023	199
305-03027	186A
305-03040	289A
305-03041	289A
305-03073	199
305-03079	289A
305-03081	152
305-03084	229
305-04011	280
305-04012	291
305-05005	312
305-1(MAG-Diode)	580
305-1(MAG-IC)	1231A
305-2(MAG-Diode)	580
305-2(MAG-IC)	1231A
305-3(MAG-Diode)	580
305-4(RCA)	292
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305M	5842
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306-01017	519
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306-01024	116(2)
306-05001	612
306-1	123AP
306-1(MAG-DIODE)	5802
306-1(MAG-Rect)	5802
306-1(RCA)	123AP
306-2(MAG-Rect)	5804
306-2(RCA)	123AP
306-3(MAG-Rect)	5806
306-3(RCA)	123AP
306-4(MAG-Rect)	5808
306-4(RCA)	123AP
306-5	123AP
306-5(MAG-Rect)	5809
306-5(RCA)	123AP
306-6(RCA)	123AP
306-7(RCA)	123AP
306-8(RCA)	123AP
306-9(RCA)	123AP
306-11(RCA)	123AP
306-13	123AP
306-13(RCA)	123AP
306AJ	9306
306AL	9306
306CJ	9306
306CL	9306
307-001-9-001	703
307-005-9-001	1003
307-007-9-001	1100
307-007-9-002	1102
307-008-9-001	724
307-009-9-002	1102
307-020-9-001	1100
307-029-1-001	1100
307-047-9-002	724
307-060	987
307-060-9-001	987
307-062	4013B
307-062-9-001	4013B
307-063	4011B
307-063-9-001	4011B
307-070	4023B
307-070-9-001	4023B
307-085-9-001	2055
307-095-9-002	4011B
307-095-9-003	977
307-095-9-004	1198
307-107-9-001	1235
307-107-9-003(Audio)	1155
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307-107-9-005	1197
307-107-9-006	1207§
307-112-9-001	1194§
307-112-9-002	977
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307-112-9-007	1082
307-113-9-001	4011B
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307-113-9-003	977
307-113-9-004	1195
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307-143-9-002	1249
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307-155-9-001	1226
307-200	5673
307-249-9-002	1691
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307-400	5675
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307D	116
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308RP40	5587◆
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308RP60	5587◆
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309-01ITT	5019A
309-2(RCA)	123AP
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309-3(RCA)	123AP
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309-4(RCA)	123AP
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309-5(SYL)	123A
309-324-613	118
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309-327-927	116
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310-68	126A
310-123	126A
310-124	126A
310-139	126A
310-187	123
310-188	102
310-189	100
310-190	126A
310-191	126A
310-192	121
310-200	5673
310-400	5675
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311-0126-001	519
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311AL	9311
311CJ	9311
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313-0015(Gremlin)	967
313-0023(Gremlin)	960
313-0037(Gremlin)	857M
313-0038(Gremlin)	858M
313-0039(Gremlin)	859
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314-0001(Gremlin)	955M
314-0015(Gremlin)	7404
314-0018(Gremlin)	74LS00
314-0019(Gremlin)	74LS04
314-0040(Gremlin)	74LS125A
314-0046(Gremlin)	74S04
314-0058(Gremlin)	74LS08
314-0059(Gremlin)	74LS10
314-0070(Gremlin)	74LS86
314-0072(Gremlin)	74LS174
314-0073(Gremlin)	74LS175
314-0076(Gremlin)	74LS157
314-0078(Gremlin)	74LS02
314-0083(Gremlin)	74LS240
314-0086(Gremlin)	74LS163A
314-0100(Gremlin)	74LS273
314-0101(Gremlin)	74LS283
314-0104(Gremlin)	74LS138
314-0123(Gremlin)	74LS257
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314-6007-1	123A
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315-0007(Gremlin)	4011B
315-0031(Gremlin)	3880
315-0035(Gremlin)	2041§
315-0039(Gremlin)	4015B
315-0041(Gremlin)	3880
315-0043(Gremlin)	4069
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315-0079(Gremlin)	4053B
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318-1(MAG-IC)	2203§
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319-001010	7472
319-001011	9093
319-001014	2042§
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319-003002	7493A
319-003004	4013B
319-003010	4013B
319-003011	4022B
319-006005	4001B
319-006006	4011B
319-006007	4025B
319-006008	4066B
319-006011	4007
319-006012	4001B
319-006013	4052B
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319-006015	4070B
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319-071-00400	159
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319-06006	4011B
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319-09001	4532B
319-010001	4512B
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319-023001	941
319-023005	941D
319-023010	941D
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319-023020	778A
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319-025006	955M
319-0(SYL)	5074A
319-500(SYL)	5074A
319-10001	4512B
319-23001	941
319-25002	1026
319C	123A
320-1	130
320-1(RCA)	162
320A	116
320B	116
320C	116
320D	116
320F	116
320H	116
320K	116
320M	116
320P	125
320S	125
320Z	125
321-003007	3014A
321-003008	3012A
321-003009	3011
321-1(RCA)	194
321-5	9321
321-5D	9321
321-5N	9321
321-149	455
321-150	455
321-264	154
321-1919(NAP-Zener)	139A
321AJ	9321
321AL	9321
321CJ	9321
321CL	9321
321H-5	9321
321H-5D	9321
321H-5N	9321
322-0147	116
322-1	175
322-1(RCA)	175
322-5	9322
322-5D	9322
322-5N	9322
322(Catalina)	123A
322AJ	9322
322AL	9322
322CJ	9322
322CL	9322
322H-5	9322
322H-5D	9322
322H-5N	9322
322T1	102A
323-03	552
323-04	558
323-0484	9402
323-1(SYL)	3043◆
323-5	9323
323-5(SYL)	289A
323-5D	9323
323-5N	9323
323-6(SYL)	108
323-3075	163A
323-4691	364
323-5900	5019T1
323-6055(Lamda)	165
323-6824	5021T1
323AJ	9323
323AL	9323
323CJ	9323
323CL	9323
323H-5	9323
323H-5D	9323
323H-5N	9323
323T1	102A
324	102A
324-0011	113A
324-0012	358
324-0014	109
324-0015	120
324-0016	160
324-0026	160
324-0027	126A
324-0028	126A
324-0029	102A
324-0030	158
324-0035	109
324-0037	109
324-0038	126A
324-0041	102
324-0049	109
324-0055	102
324-0056	158
324-0057	109
324-0062	158
324-0074	102A
324-0077	160
324-0079	126A
324-0080	158
324-0082	160
324-0083	160
324-0085	158
324-0086	160
324-0087	160
324-0088	102
324-0089	102A
324-0090	100
324-0091	102A
324-0092	102A
324-0093	102A
324-0093(Philco)	109
324-0095	160
324-0097	158
324-0098	126A
324-0099	126A
324-019	128
324-0100	102A
324-0102	5809
324-0105	109
324-0106	126A
324-0107	110MP
324-0107-01	109
324-0108	109
324-0110	160
324-0111	160
324-0112	160
324-0114	112
324-0115	179
324-0116	127
324-0117	116
324-0118	5896
324-0119	116
324-0120	116
324-0121	126A
324-0122	103A
324-0123	160
324-0124	158
324-0125	158
324-0126	131
324-0128	127
324-0129	126A
324-0130	126A
324-0131	160
324-0132	160
324-0133	102
324-0134	103
324-0135	116
324-0136	126A
324-0137	126A
324-0138	126A
324-0139	102
324-0140	102
324-0141	109
324-0142	102
324-0143	102
324-0144	102
324-0145	126A
324-0146	102
324-0147	116
324-0149	108
324-0150	108
324-0151	123
324-0152	123
324-0154	123
324-0160	109
324-0162	116
324-0187	160
324-1	108
324-1(SYL)	265
324-5	9324
324-5D	9324
324-5N	9324
324-6(SYL)	123A
324-132	160
324-144	102
324-6005-5	123A
324-6011	128
324-6013	128
324AJ	9324
324AL	9324
324C	987
324CJ	9324
324CL	9324
324H-5	9324
324H-5D	9324
324H-5N	9324
324T1	102A
324T2	102A
325-0025-327	109
325-0025-329	102A
325-0025-330	102A
325-0025-331	102A
325-0028-79	102A
325-0028-80	102A
325-0028-81	102A
325-0028-83	102A
325-0028-84	108
325-0028-85	160
325-0028-86	109
325-0028-87	109
325-0028-89	116
325-0030-315	102A
325-0030-317	102A
325-0030-318	102A
325-0030-319	102A
325-0031-303	123A
325-0031-304	123
325-0031-305	123
325-0031-306	158
325-0031-310	123A
325-0031-335	109
325-0031-338	116
325-0036-536	102A
325-0036-562	109
325-0036-564	126A
325-0036-565	126A
325-0042-311	166
325-0042-351	123A
325-0047-516	102A
325-0047-517	116
325-0054-310	102A
325-0054-311	102A
325-0054-312	116
325-0076-306	123A
325-0076-307	123A
325-0076-308	123A
325-0076-315	116
325-0081-100	123A
325-0081-101	123A
325-0081-102	158
325-0081-109	167
325-0081-110	116
325-0135-B	116
325-0141-23	116
325-0500-12	199
325-0500-13	199
325-0574-30	123A
325-0574-31	123A
325-0670	102A
325-0670-1	102A
325-0670-7	102A
325-0670-16	116
325-0670A	102A
325-1(RCA)	123AP
325-3(RCA)	123AP
325-5	171
325-5(SYL)	159
325-5D	9325
325-5N	9325
325-1370-18	102A
325-1370-19	123A
325-1370-20	123A
325-1375-10	126A
325-1375-11	126A
325-1375-12	126A
325-1376-53	102A
325-1376-54	126A
325-1376-55	126A
325-1376-56	102A
325-1376-57	102A
325-1376-58	102A
325-1376-60	109
325-1378-18	107
325-1378-19	107
325-1378-20	102A
325-1378-21	158
325-1378-22	102A
325-1441-10	116
325-1441-11	116
325-1442-8	102
325-1442-9	124
325-1446-26	123
325-1446-27	123
325-1446-28	123
325-1446-29	116
325-1513-29	123
325-1513-30	123
325-1513-46	128
325-1771-15	123A
325-1771-16	107
325-4610-100	125
325AJ	9325
325AL	9325
325CJ	9325
325CL	9325
325H-5	9325
325H-5D	9325
325H-5N	9325
325T1	102A
326-3(NAP-Diode)	588
326-5	9326
326-5D	9326
326-5N	9326
326-6(SYL)	299§
326-5171	9403
326-7877-2	331
326AJ	9326
326AL	9326
326CJ	9326
326CL	9326
326H-5	9326
326H-5D	9326
326H-5N	9326
326T1	102A
327-1(MAG-IC)	1566
327-2(RCA)	123AP
327-4(SYL)	192§
328-1(MAG-IC)	1632
329-1(MAG-IC)	1567
329-5(SYL)	159
330-1	159
330-1(RCA)	159
330-2	159
330-2(RCA)	159
330-3(RCA)	159
330-4	159
330-4(RCA)	159
330-5(RCA)	159
330-6(RCA)	159
330-9(RCA)	159
330-10	159
330-11	159
330-1304-8	108
330(5MM-MOV)	1V020
330(7MM-MOV)	1V020
330G1(Zenith)	177
331-1	123AP
331-1(MAG-IC)	820
331-1(RCA)	123AP
331-2(MAG-IC)	820
331-5	9331
331-5D	9331
331-5N	9331
331AJ	9331
331CJ	9331
331CL	9331
331H-5	9331
331H-5D	9331
331H-5N	9331
332-1(MAG-IC)	1374
332-2(MAG-IC)	1374
332-3(MAG-IC)	1374
332-4(MAG-IC)	1374
332-5	9332
332-5(MAG-IC)	1376
332-5D	9332
332-5N	9332
332-6(MAG-IC)	1374
332-2911	130
332-2912	181
332-4009	177
332AJ	9332
332AL	9332
332CJ	9332
332CL	9332
332H-5	9332
332H-5D	9332
332H-5N	9332
333-1	123AP
333-1(RCA)	123AP
333-5	9333
333-5D	9333
333-5N	9333
333AJ	9333
333AL	9333
333CJ	9333
333CL	9333
333H-5	9333
333H-5D	9333
333H-5N	9333
334-1(MAG-IC)	797
334-1(NAP-IC)	3092
334-1(RCA)	123AP
334-5	9334§
334-5D	9334§
334-5N	9334§
334-377	162
334-1026	291
334-1027	292
334-1028	284
334-1029	285
334AJ	9334§
334AL	9334§
334CJ	9334§
334CL	9334§
334H-5	9334§
334H-5D	9334§
335-1	165
335-1(MAG-IC)	4094B
335-1(RCA)	165
335-5	9335
335-5D	9335
335-5N	9335
335A	5981
335AJ	9335
335AL	9335
335B	5983
335C	5987
335CJ	9335
335CL	9335
335D	5987
335F	5989
335H	5991
335H-5	9335
335H-5N	9335
335K	5993
335M	5995
335P	5999
335S	5999
335V	6003
335Z	6003
336-1(MAG-IC)	865§
336-1(SYL)	185
336-2(SYL)	184
336-20(SYL)	185MCP
336A	5981
336B	5983
336C	5987
336D	5987
336F	5989
336H	5991
336K	5993
336M	5995
336S	5999
336V	6003
336Z	6003
337-007002	144A
337-007006	136A
337-007007	5080A
337-02001	137A
337-02004	5072A
337-02005	142A
337-02007	142A
337-06007	145A
337-06013	145A
337-06014	5011A
337-06015	146A
337-06020	5010A
337-06021	5075A
337-1(NAP-IC)	866§
337-2(NAP-IC)	866§
337-3(NAP-IC)	866§
337-4(NAP-IC)	866§
337-5(MAG-IC)	866§
337-5(NAP-IC)	866§
337A	5871
337B	5875
337C	5879
337D	5879
337F	5879
337H	5879
337K	5883
337M	5883
337P	5887
337S	5887
337V	5891
337Z	5891
338-1(SYL)	331
338-2(MAG-IC)	822
338-3(MAG-IC)	822
338-3(SYL)	199
338-4(SYL)	199
338-5(RCA)	128
338-6(RCA)	128
338-7(RCA)	128
339-03-1270	4086B
339-1	159
339-1(MAG-IC)	1413
339-1(RCA)	159
339-1(SYL)	332
339-1(SYL-IC)	1413
339-2(SYL)	199
339-3(SYL)	199
339-7(RCA)	159
339-529-001	109
339-529-002	140A
339G1(Zenith)	506
340-2(RCA)	123AP
340LA(VR)	981
340RA10	5587
340RA20	5587
340RA30	5587
340RA40	5587
340RA60	5587
341A	5850
341B	5854
341C	5854
341D	5854
341F	5858
341H	5858
341K	5862
341M	5862
341P	5866
341S	5866
341V	5868
341Z	5868
342-1	128
342-1(MAG-IC)	2200
342-1(RCA)	123AP
342-1(SYL)	327
342-2(SYL)	199
342-5	9342
342-5D	9342
342-5N	9342
342AJ	9342
342AL	9342
342CJ	9342
342CL	9342
342H-5	9342
342H-5D	9342
342H-5N	9342
343-02	581
343-1(RCA)	123AP
343-1(SYL)	124
343-2	123AP
343-2(RCA)	123AP
343-3(RCA)	123AP
343-5	9343
343-5D	9343
343-5N	9343
343AJ	9343
343AL	9343
343CJ	9343
343CL	9343
343H-5	9343
343H-5D	9343
343H-5N	9343
344-02G1328B	177
344-07G1328B	558
344-1	128
344-1(RCA)	194
344-1(SYL)	373
344-2	128
344-2(RCA)	194
344-3(RCA)	194
344-6000-2	123A
344-6000-3	108
344-6000-3A	108
344-6000-4	123A
344-6000-5	123A
344-6000-5A	123A
344-6001-1	128
344-6001-2	128
344-6002-3	123A
344-6005-1	123A
344-6005-2	123A
344-6005-5	123A
344-6005-6	177
344-6006-6	109
344-6011-1	128
344-6011-2	128
344-6012-1	129
344-6012-3	129
344-6013-1B	128
344-6013-4	128
344-6014-1B	129
344-6015-7	108
344-6015-7A	108
344-6015-8	107
344-6015-9	107
344-6015-10	108
344-6015-11	108
344-6017-1	159
344-6017-2	123A
344-6017-3	123A
344-6017-4	128
344-6017-5	123A
344-6017-6	108
345-02G1333B	580
345-1(SYL)	374
345-2	128
345-2(RCA)	128
346-1(RCA)	47
346-3(Rad Shk)	123AP
346A	5851
346B	5855
346C	5855
346D	5855
346F	5859
346H	5859
346K	5863
346M	5863
346P	5867
346S	5867
346V	5869
346Z	5869
347-1	159
347-1(IC)	821
347-1(RCA)	159
347-2(MAG-IC)	821
347-3(RCA)	159
347-3G1337-0	552
347-4	159
347AJ	9347
347AL	9347
347CJ	9347
349-0002-001	519
349-0002-002	519
349-1	128
349-2	128
349-2(MAG-IC)	2201§
349-2(RCA)	123AP
349-113-011	9930
349-113-012	9932
349-113-013	9945
349-113-014	9946
349-113-015	9951
349-113-022	9945
349-113-024	9950
349-113-025	9941
349-212-003	909
350	100
350-1(MAG-IC)	4011B
350-1(SYL)	123A
350D7217	85
350P2S	5587
350P4S	5587
350P6S	5587
350P8S	5589
350P10S	5589
350P12S	5589
350RA50	5587
350RA60	5587
350RA80	5589
350RA100	5589
350RA110	5589
350RA120	5589
351-1(MAG)	454§
351-1(MAG-IC)	712
351-2(SYL)	159
351-1008-010	716§
351-1011-022	724
351-1011-032	724
351-1017-010	703
351-1027-010	716§
351-1029-020	941
351-1035	923
351-1035-020	923
351-1041-010	912
351-1042-020	910
351-3006	9914
351-3031	177
351-7008-010	9910§
351-7008-020	9913
351-7011-020	9900
351-7011-030	9903
351-7011-040	9903
351-7011-050	9905
351-7011-060	9905
351-7011-070	9910§
351-7011-080	9910§
351-7011-090	9911
351-7011-100	9914
351-7011-110	9914
351-7011-120	9914
351-7011-150	9921
351-7011-160	9921
351-7011-170	OBS-NLA
351-7011-180	OBS-NLA
351-7015-010	9908
351-7015-020	9909
351-7015-030	9910§
351-7015-040	9911
351-7015-050	9912
351-7015-060	9913
351-7015-070	9921
351-7025-010	9907
351-7025-020	9914
351-7026-010	9908
351-7026-030	9910§
351-7026-060	9913
351-7026-070	9921
351-7121-010	OBS-NLA
351-7121-020	9914
351-7140-010	909
351-7189-010	910
351-7206-080	9908
351-7206-090	9909
351-7206-100	9910§
351-7206-110	9911
351-7206-140	9921
351-7206-150	9908
351-7206-160	9909
351-7206-170	9910§
351-7206-180	9911
351-7206-190	9912
351-7206-200	9913
351-7206-210	9921
351-7577-010	9109§
351RA50	5587◆
351RA60	5587◆
351RA80	5589◆
351RA100	5589◆
351RA110	5589◆
351RA120	5589◆
352-0023-001	9932
352-0092-020	128
352-043-010	128
352-0195-000	123A
352-0197-000	123A
352-0206-001	123A
352-0219-000	159
352-0316-00	123A
352-0318-00	123A
352-0318-001	123A
352-0319-000	123A
352-0322-010	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
352-0349-000	123A
352-0364-000	128
352-0364-010	128
352-0365-000	123A
352-0400-00	123A
352-0400-010	123A
352-0400-030	123A
352-0403-010	154
352-0433-00	123A
352-0477-00	123A
352-0479-010	128
352-0506-000	123A
352-0519-00	123A
352-0546-00	123A
352-0549-000	199
352-0551-010	159
352-0551-021	159
352-0569-00	123A
352-0569-010	123A
352-0569-020	123A
352-0579-00	123A
352-0579-010	123A
352-0579-020	123A
352-0581-011	175
352-0581-020	175
352-0581-021	175
352-0581-030	175
352-0581-031	175
352-0583-011	130
352-0596-010	123A
352-0596-020	123A
352-0596-030	123A
352-0606-011	175
352-0610-030	159
352-0610-040	159
352-0629-010	123A
352-0630	107
352-0630-010	107
352-0636-010	159
352-0636-020	159
352-0638	199
352-0653-010	107
352-0653-020	107
352-0658-010	161
352-0658-020	161
352-0658-030	161
352-0658-040	161
352-0658-050	161
352-0661-010	123A
352-0661-020	123A
352-0667-010	123A
352-0675-010	123A
352-0675-020	123A
352-0675-030	123A
352-0675-040	123A
352-0675-050	123A
352-0677-010	130
352-0677-011	130
352-0677-020	130
352-0677-021	130
352-0677-030	130
352-0677-031	130
352-0677-041	130
352-0677-051	130
352-0677-40	130
352-0680-010	123A
352-0680-020	123A
352-0711-021	124
352-0713-030	123A
352-0749-010	390
352-0754-020	159
352-0766-010	128
352-0773-010	234
352-0773-020	234
352-0773-030	234
352-0778-010	159
352-0783-020	128
352-0809	123A
352-0816-010	128
352-0848-020	159
352-0950-010	106
352-0950-020	106
352-0959-010	159
352-0959-020	159
352-0959-030	159
352-1(NAP-Diode)	597
352-1(MAG-IC)	848§
352-2(NAP-Diode)	598
352-4	581
352-5	188
352-5(RCA)	188
352-1576-010	342
352-5012-01	360
352-5014	357
352-7500-010	123A
352-7500-450	123A
352-7500-861	124
352-8000-010	123A
352-8000-020	123A
352-8000-030	123A
352-8000-040	123A
352-9014-00	128
352-9036-00	123A
352-9079-00	123A
352-9094-00	194
352-9103-000	123A
352(Transistor)	102
353-5	189
353-5(RCA)	189
353-7	189
353-2575-00	177
353-2655-000	177
353-3024-000	519
353-3083-000	177
353-3273-00	177
353-3289-000	519
353-3338-000	519
353-3339-000	177
353-3627-010	519
353-3627-020	519
353-3663-010	519
353-3687-010	519
353-3687-020	519
353-9001-001	126A
353-9001-002	126A
353-9001-003	126A
353-9002-002	126A
353-9008-001	129
353-9012-001	102A
353-9201-001	121MP
353-9203-001	152
353-9301-001	128
353-9301-002	160
353-9301-004	129
353-9304-001	159
353-9304-004	129
353-9306-001	123A
353-9306-002	123A
353-9306-003	123A
353-9306-004	123A
353-9306-005	123A
353-9306-006	199
353-9306-007	199
353-9310-001	123A
353-9312-001	102A
353-9314-001	123A
353-9315-001	123A
353-9317-001	129
353-9318-001	199
353-9318-002	199
353-9319-001	123A
353-9319-002	123A
353-9502-001	152
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353(I.C.)	736
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354-9102-001	116
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355D7	222
355D8	161
355D9	123A
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356-1(MAG)	232
356-2	130
356-2(RCA)	162
356P1	232
357-1(RCA)	191
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357P1	398
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358-1(RCA)	152
358-2(ARC)	360
358RS100	5589◆
358RS120	5589◆
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359-1(MAG-IC)	857M
359-1(RCA)	153
359-1(SYL)	124
359-3(SYL)	124
359A	116
359B	116
359C	116
359D	116
359F	116
359H	116
359K	116
359M	116
359P	125
359S	125
359V	125
359Z	125
360-1	229
360-1(MAG)	288
360-1(MAG-IC)	960
360-1(RCA)	108
360-2(MAG)	288
360-3	229
360-3(RCA)	229
360-32	177
360P1	288
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361-1(10)	171
361-1(MAG-IC)	973D
361-1(MAG-Trans)	50
361-1(RCA)	191
361-2(MAG-Trans)	50
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361-5D	9361
361-5N	9361
361AJ	9361
361AL	9361
361CJ	9361
361CL	9361
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361H-5D	9361
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362-1(MAG-IC)	1231A
362-1(NAP)	489
362-1(RCA)	171
362-2(NAP)	3092
362-2(MAG-IC)	1231A
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362H-5D	9362§
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363-1(MAG-IC)	852
363-1(RCA)	159
363-1(SYL)	123A
363-1A(SYL)	123A
363-2(MAG-IC)	852
363-3(MAG-IC)	852
363-4(MAG-IC)	852
363-5(MAG-IC)	852
363AJ	9363
363AL	9363
363CJ	9363
363CL	9363
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364-1(RCA)	196
364-1(Sylvania)	159
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365-1(SYL)	199
365T1	100
366-1(RCA)	165
366-1(Sylvania)	108
366-2(Sylvania)	108
366A	5850
366B	5854
366C	5854
366D	5854
366F	5858
366H	5858
366K	5862
366M	5862
366P	5991
366RA	5851
366RB	5855
366RC	5855
366RD	5855
366RF	5859
366RH	5859
366RK	5863
366RM	5863
366RP	5867
366RS	5867
366RV	5869
366RZ	5869
366S	5866
366V	5868
366Z	5868
367-1(MAG-IC)	965
367-1(RCA)	395
367-1(SYL)	159
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367-3(SYL)	159
367-30(SYL)	234
367-32-2291	5609
367(Sears)	160
367A	5874
367AJ	9367
367AL	9367
367B	5874
367C	5878
367CJ	9367
367CL	9367
367D	5878
367F	5878
367H	5878
367K	5882
367M	5882
367P	5886
367RA	5875
367RB	5875
367RC	5879
367RD	5879
367RF	5879
367RH	5879
367RK	5883
367RM	5883
367RP	5887
367RS	5887
367RV	5891
367RZ	5891
367S	5886
367V	5890
367Z	5890
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368-1(RCA)	222
368-1(SYL)	5802
368-2(CBE-NAP)	293
368-4(RCA)	222
368A	5892
368AJ	9368
368AL	9368
368B	5896
368C	5896
368CJ	9368
368CL	9368
368D	5896
368F	5900
368H	5900
368K	5904
368M	5904
368P	5908
368RA	5893
368RB	5897
368RC	5897
368RD	5897
368RF	5901
368RH	5901
368RK	5905
368RM	5925
368RP	5909
368RS	5909
368RV	5911
368RZ	5911
368S	5908
368V	5910
368Z	5910
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369-1(SYL)	106
369-2	116
369-2(CBE-MAG)	159
369-2(RCA)	222
369-3	116
369-3(CBE-MAG)	159
369-4(CBE-MAG)	159
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370-1(CBE-NAP)	199
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370-1(RCA)	165
370-2(CBE-NAP)	123AP
370-2(MAG-IC)	1580§
370-3(CBE-NAP)	199
370-4(CBE-NAP)	123AP
370-5	9370
370-5(CBE-NAP)	123AP
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370-116764	923
370AJ	9370
370AL	9370
370CJ	9370
370CL	9370
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371RA	5981
371RB	5983
371RC	5987
371RD	5987
371RF	5989
371RH	5991
371RK	5993
371RM	5995
371RP	5999
371RS	5999
371RV	6003
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371S	5998
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372AJ	9372
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375AJ	9375
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381-2(RCA)	128
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382-1(SYL)	503
382AJ	9382
382AL	9382
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382CL	9382
383AJ	9383
383AL	9383
383CJ	9383
383CL	9383
384	116
384-1(MAG-IC)	74LS174
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385A	116
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390(5MM-MOV)	1V025
390(7MM-MOV)	1V025
390A	6110
390AJ	9390
390AL	9390
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393CL	9393§
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395AJ	9679
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396-1(SYL)	390
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396AJ	9696§
396AL	9696§
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402M	5994
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403H	5990
403K	5992
403M	5994
403P	5998
403S	5998
403V	6002
403Z	6002
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404-2(SYL)	123A
404-2(Sylvania)	123A
404A	5874
404B	5874
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404K	5882
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405-019-6805	199
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405-059-9903	152#
405-064-7307	153#
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407-048-3701	5015A
407-048-4005	5015A
407-048-4203	5015A
407-048-5101	5017A
407-048-5200	5018A
407-048-5606	5019T1
407-048-5903	5019A
407-048-6603	5020A
407-048-6900	5021T1
407-048-7105	5021T1
407-048-7303	5021A
407-048-7600	5022A
407-048-7808	5022A
407-048-7907	5006A
407-048-8003	5023A
407-049-2901	5073A
407-049-3403	142A
407-050-2501	5036A
407-051-5303	5031A
407-051-6409	5008A
407-052-3506	5037A
407-053-0702	5010T1
407-053-6001	5010T1
407-054-0008	5019A
407-054-3306	5021A
407-054-4709	5022A
407-054-4808	5022A
407-054-5805	5024A
407-055-7907	5006A
407-056-7906	5010A
407-056-8002	5010A
407-057-4102	5014A
407-057-4201	5014A
407-057-6304	5015A
407-057-9602	5018A
407-057-9701	5018A
407-057-9800	5018A
407-059-3400	142A
407-070-8408	5018A
407-075-9509	5014A
407-079-2605	580
407-088-6011	595
407-088-6502	587
407-095-8001	506
407-096-9809	5013A
407-1(NAP)	469
407-1(SYL-IC)	977
407-102-6006	110A
407-103-1604	588
407-103-6500	580
407-124-5209	580
407-124-5506	587
407-124-5605	587
407-124-5803	580
407-124-6404	552
407-124-6503	552
407-143-2708	5036A
407A	5850
407B	5854
407C	5854
407D	5854
407F	5858
407H	5858
407K	5862
407M	5862
407P	5866
407RA	5851
407RB	5855
407RC	5855
407RD	5855
407RF	5859
407RH	5859
407RK	5863
407RM	5863
407RP	5867
407RS	5867
407RV	5869
407RZ	5869
407S	5866
407V	5868
407Z	5868
408-000-0301	3092
408-008-2406	519
408-008-8606	125
408-009-9008	569
408-009-9107	5009A
408-009-9206	580
408-009-9305	552
408-009-9404	116
408-010-0902	5014A
408-014-8408	157
408-1	222
408-1(NAP)	55◆
408-1(RCA)	222
408-2(NAP)	54◆
408A	5874
408B	5874
408C	5878
408D	5878
408F	5878
408H	5878
408K	5882
408M	5882
408P	5886
408RA	5875
408RB	5875
408RC	5875
408RD	5879
408RF	5879
408RH	5879
408RK	5883
408RM	5883
408RP	5887
408RS	5887
408RV	5891
408RZ	5891
408S	5886
408V	5890
408Z	5890
409-000-0604	1780
409-001-0604	1780
409-004-5705	1859
409-004-8409	1860
409-009-2709	4053B
409-017-7208	1685
409-017-7505	1798
409-019-3109	1728
409-019-4205	1838
409-019-4700	1538
409-019-5608	1773
409-019-5707	1797
409-019-6209	1658
409-019-6605	1836
409-020-4409	1774
409-036-0105	1847
409-042-9000	74LS156
409-047-5601	1821
409-047-5700	1872
409-047-8602	1778
409-047-9104	1742
409-047-9203	1743
409-051-2801	4052B
409-051-3006	4053B
409-053-7309	1677
409-083-0103	7004
409-1	222
409-1(MAG)	285
409-1(RCA)	222
409-2(MAG)	284
409-117-9607	7009
409-132-7909	4053B
409-135-5407	7069
409-135-5506	7019
409-146-7001	1863
409-156-6605	1863
409-173-2703	7104
409-173-2802	7039
409-243-0806	1777
409A	5892
409B	5896
409C	5896
409D	5896
409F	5900
409H	5900
409K	5904
409M	5904
409P	5908
409RA	5893
409RB	5897
409RC	5897
409RD	5897
409RF	5901
409RH	5901
409RK	5905
409RM	5925
409RP	5909
409RS	5909
409RV	5911
409RZ	5911
409S	5908
409V	5910
409Z	5910
410	283
410-012-0150	102A
410-013-0240	102A
410-027-022	123AP
410-051-5808	74LS156
410-0204-602	85
410-0204-612	85
410-0205-351	107
410-0209-452	85
410-0213-276	199
410-0213-354	199
410-0401-010	5401
410-0803-280	159
410-0990-135	123AP
410-1214	158
410-1215	158
410-1216	158
410-1217	158
410-1270	103A
410-1320	102A
410-1515	158
410-1516	158
410-1517	158
410-1610	158
411	283
411-237	128
411-831	3052
411-1071	123AP
411-1072	123AP
411-1081	123AP
411-1084	123AP
411-1408	128
411-1410	128
411-1610	159
411-1692	123AP
411-1693	123AP
411-1702	289A
411-1723	123AP
411-1732	123AP
411-2562	159
411-2602	159
411.1732	199
411.2602	159
412	100
412-0200-600	109
412-0421-392	611
412-0500-685	5014A
412-0669	196
412-1(NAP-IC)	1803
412-1A5	123A
412-2(NAP-IC)	1803
412-1137	185
412-1272	103A
412-1300	130
412-1370	184
412-1380	185
412-1411	129MCP
412-1516	102A
412(Zener)	5072A
412Z4	141A
413	283
413-004-014	552
413-014-010	116
413-0104-002	116
413-0149	104
413-4241	159
413(Concert Hall)	177
413(E.F.Johnson)	241
413(Truetone)	177
414-3055	130
414A-15	121
415-1(MAG-IC)	1652
415-1(NAP)	399
415-1005-668	1052
415-2004-330	1218
415-4112-510	1490
415-7013-102	801
415C045580	778A
416-1(RCA)	377
416A	6050
416B	6050
416C	6054
416D	6054
416F	6060
416H	6060
416K	6064
416M	6064
416P	6068
416RA	6050
416RB	6050
416RC	6055
416RD	6055
416RF	6061
416RH	6061
416RK	6065
416RM	6065
416RP	6069
416RS	6069
416RV	6073
416RZ	6073
416S	6068
416V	6072
416Z	6072
417-2	160
417-4-00226	196
417-5	102A
417-6	158
417-7	123A
417-11	160
417-12	160
417-13	160
417-14	160
417-16	160
417-17	102A
417-18	158
417-19	107
417-20	121
417-21	158
417-22	160
417-23	160
417-25	160
417-26	160
417-27	160
417-28	158
417-29	179
417-29BLK	179
417-29GRN	179
417-29WHT	179
417-30	121
417-31	160
417-32	121
417-33	160
417-35	160
417-36	160
417-37	160
417-38	160
417-39	160
417-40	102A
417-41	102A
417-42	179
417-43	129
417-44	121
417-45	121
417-46	121
417-47	102A
417-48	102A
417-49	128
417-50	160
417-51	158
417-52	102A
417-53	160
417-54	160
417-56	160
417-57	160
417-58	160
417-59	128
417-60	160
417-62	104
417-66	160
417-67	123A
417-68	160
417-69	123A
417-70	160
417-71	160
417-72	160
417-73	102A
417-74	102A
417-75	102A
417-76	160
417-77	123A
417-78	102A
417-79	160
417-81	6400B
417-83	108
417-87	128
417-88	128
417-89	128
417-90	121
417-91	123A
417-92	123A
417-93	123A
417-93-12903	123A
417-94	123A
417-99	121
417-100	128
417-101	162
417-102	106
417-103	102A
417-104	175
417-105	123A
417-106	123A
417-108	123A
417-108-13163	199
417-109	123AP
417-109-13163	123A
417-109(Heath)	123AP
417-110	123A
417-110-13163	123A
417-111	129
417-112	127
417-113	179
417-114	128
417-114-13163	123A
417-115	154
417-115-13173	128
417-116	159
417-116-13165	159
417-118	123A
417-119	704
417-120	179
417-121	103A
417-122	102A
417-123	726
417-124	108
417-125	108
417-125-12903	107
417-126	123AP
417-126-12903	199
417-126(Heath)	123A
417-127	123
417-128	128
417-129	123A
417-132	159
417-133	128
417-134	123A
417-134-13271	123A
417-135	123A
417-136	128
417-137	128
417-138	129
417-139	130
417-139-13286	181
417-139A	130
417-140	312
417-141	121
417-142	179
417-143	160
417-144	184
417-145	185
417-146	158
417-147	158
417-148	158
417-149	158
417-150	158
417-151	158
417-152	158
417-153	159
417-153-13431	234
417-154	107
417-155	128
417-155-13163	123A
417-158	162
417-159	157
417-160	131
417-161	172A
417-162	130
417-168	159
417-169	312
417-170	129
417-171	123AP
417-171-13163	123A
417-171(Heath)	123AP
417-172	123A
417-172-13271	123A
417-175	196
417-175-12993	152
417-176	159
417-177	105
417-178	128
417-180	128
417-181	129
417-182	159
417-183	6400B
417-184	159
417-185	123A
417-187	6400B
417-190	107
417-192	123A
417-193	128
417-194	312
417-195	157
417-196	159
417-196-13262	234
417-197	123A
417-199	175
417-200	159
417-201	159
417-202	711
417-203	196
417-204	162
417-205	107
417-206	220
417-207	220
417-211	312
417-212	130
417-212A	130
417-213	123A
417-214	181
417-214-13286	181
417-215	130
417-215-13286	130
417-215A	130
417-216	121
417-217	123A
417-221	50
417-222	172A
417-224	128
417-225	185
417-226-1	123A
417-226-13163	199
417-227	157
417-228	123A
417-229	123A
417-230	427/396
417-231	312
417-232	198
417-232(Heath)	154
417-233	128
417-233-13163	123A
417-234	129
417-234-13165	159
417-235	159
417-235-13262	159
417-235(Heath)	159
417-237	128
417-237-13163	128
417-238	124
417-239	163A
417-241	312
417-242-8181	159
417-243	161
417-244	123A
417-244-12903	199
417-245	171
417-246	312
417-247	128
417-248	163A
417-250	128
417-252	312
417-253	312
417-254	181
417-255	129
417-257	128
417-258	161
417-260	129
417-260-50127	159
417-262	161
417-272	265
417-273	130
417-273-13286	130
417-283-13271	199
417-289	197
417-291	312
417-294	287
417-298	331
417-801	123AP
417-801-12903	123A
417-811	194
417-815	188
417-816	196
417-817	197
417-821	128
417-821-13163	128
417-822-13262	129
417-822(Heath)	159
417-823	6402§
417-823(P.U.T.)	6402§
417-823(Transistor)	188
417-828	312
417-834	191
417-865	159
417-912	341
417A	5986
417B	5982
417C	5986
417D	5986
417F	5988
417H	5990
417K	5992
417M	5994
417P	5998
417RA	5987
417RB	5983
417RC	5987
417RD	5987
417RF	5989
417RH	5991
417RK	5993
417RM	5995
417RP	5999
417RS	5999
417RV	6003
417RZ	6003
417S	5998
417V	6002
417Z	6002
418-1(MAG-IC)	2206
418A	5986
418B	5982
418C	5986
418D	5986
418F	5988
418H	5990
418K	5992
418M	5994
418P	5998
418RA	5987
418RB	5983
418RC	5987
418RD	5987
418RF	5989
418RH	5991
418RK	5993
418RM	5995
418RP	5999
418RS	5999
418RV	6003
418RZ	6003
418S	5998
418V	6002
418Z	6002
419-1(MAG)	69
419-1(MAG-IC)	2204§
419-2(MAG)	69
419-3(MAG)	69
419A	5986
419B	5982
419C	5986
419D	5986
419F	5988
419H	5990
419K	5992
419M	5994
419P	5998
419RA	5987
419RB	5983
419RC	5987
419RD	5987
419RF	5989
419RH	5991
419RK	5993
419RM	5995
419RP	5999
419RS	5999
419V	6002
420-0114	177
420-0217	177
420-1	123AP
420-1(MAG)	69
420-1(MAG-IC)	2205
420-2(MAG)	69
420-170	177
420-180	177
420-2003-173	125
420-2005-000	113A
420-2104-570	125
420-2106-270	505
420L(MOV)	2V420
420L20(MOV)	524V42
420L40(MOV)	524V42
420PB30	5595
420PB50	5595
420PB60	5595
420PB80	5596
420PB100	5596
420PB120	5596
420PBL50	5386
420PBL60	5386
420PBL80	5387
420PBL100	5387
420PBL110	5387
420PBL120	5387
420PBM50	5386
420PBM60	5386
420PBM80	5387
420PBM100	5387
420PBM110	5387
420PBM120	5387
420S05K	2V420◆
420S10K	2V420
420S14K	524V42
420S20K	524V42
420T1	102A
420TBL50MX	5386
420TBL120MX	5387
421-0597W	850§
421-1(MAG)	331
421-2(MAG)	332
421-3(MAG)	331
421-4(MAG)	332
421-5(MAG)	331
421-6	160
421-6(MAG)	332
421-6B	160
421-7	160
421-7(MAG)	331
421-7B	160
421-8	160
421-8(MAG)	332
421-8B	160
421-9	102A
421-10	102A
421-11	102A
421-11B	102A
421-12	102A
421-12B	102A
421-13	102A
421-13B	102A
421-13C	102
421-14	102A
421-14B	102A
421-15	102A
421-15B	102A
421-16	126A
421-17	126A
421-18	124
421-19	102
421-20	126A
421-20B	126A
421-21	126A
421-21B	126A
421-22	126A
421-22B	126A
421-24	121
421-25	121
421-26	126A
421-1096	5120A
421-2061	138A
421-4027	116
421-6599	121
421-7143	102A
421-7443	116
421-7443A	116
421-7444	123A
421-8109	102A
421-8111	123A
421-8310	124
421-9644	123A
421-9670	123A
421-9671	102A
421-9682	100
421-9683	108
421-9792	160
421-9840	123A
421-9862	103A
421-9862A	102A
421-9863	102A
421-9863A	102A
421-9864	102A
421-9864A	102A
421-9865	116
421T1	102A
422-0222	102A
422-0738	123A
422-0739	129
422-0960	175
422-0961	130
422-1232	129
422-1233	128
422-1234	123A
422-1362	116
422-1401	108
422-1402	108
422-1403	126A
422-1404	128
422-1405	129
422-1406	102A
422-1407	123A
422-1408	125
422-1443	121MP
422-1866	116
422-2008	129
422-2158	128
422-2532	108

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
422-2533	123A
422-2534	123A
422-2535	102A
422-2540	116
422-2778	160
422-2779	160
422-2780	160
423-1(RCA)	89
423-800-235	9933
423-800175	9932
423-800176	9962
423-800177	9932
423-800178	9946
423-800194	9949
423-800202	9936
423-800223	9097
423-800234	9930
423-800236	9093
424-0216	5842
424-0261	142A
424-0317	519
424-0361	5130A
424-0379	138A
424-0461	5131A
424-0479A	139A
424-0779	5069A
424-1(NAP-IC)	1786
424-1(SYL)	319P
424-9001	175
426-400	5638
427-1(MAG)	49
427-2(MAG)	49
427-3(MAG)	49
427-6967	5608
427-6969	5610
427(MAG)	49
427N2(MAG)	49
428-1(MAG)	49
428-2(MAG)	49
428N2(MAG)	49
429-0092-1	160
429-0092-2	102A
429-0092-3	102A
429-0092-56	109
429-0093-69	126A
429-0093-71	125
429-0094-39	126A
429-0910-50	160
429-0910-51	102A
429-0910-52	102A
429-0910-53	110MP
429-0910-54	109
429-0958-41	166
429-0958-42	123A
429-0958-43	137A
429-0981-12	107
429-0985-12	107
429-0986-12	108
429-0989-68	116
429-10001-0A	5870
429-10002-0A	5874
429-10036-0A	519
429-10036-0B	519
429-10054-0A	519
429-20004-0B	177
430-31	116
430-85	158
430-86	123A
430-87	123A
430-1044-0A	123A
430-10034	123A
430-10034-06	123A
430-10047-0C	128
430-10053-0	123A
430-10053-0A	123A
430-20013-0B	159
430-20018-0A	159
430-20021	159
430-20023-0A	159
430-20026-0	159
430-22861	108
430-23190	181
430-23212	123A
430-23221	123A
430-23222	129
430-23223	128
430-23843	130
430-23844	128
430-25762	312
430-25763	108
430-25764	108
430-25765	108
430-25766	123A
430-25767	108
430-25834	131
430-203845	129
430(ZENITH)	123A
430CL	123A
430E	6113
430M	6113
430N	6115
430P	6115
430PA	6115
430PB	6115
430S	6115
430T	6115
431-26551A	722
431C(T0-92)	999
431CZ(T0-92)	999
431L(T0-92)	999
432-1(SYL)	194
432P1(GE)	482
432P2(GE)	480§
432P11	482
433-1(MAG)	2300
433-1(MAG-IC)	2114
433-1(SYL)	123A
433-2(NAP)	2318
433-3(MAG)	2300
433-4(MAG)	2300#
433-5(MAG)	2302
433(ZENITH)	123A
433CL	123A
433M852	129
433N3	2300
433P1(GE)	485
434	199
434-1(CBE-MAG)	159
434-1(RCA)	710
434-2(CBE-MAG)	159
434-3(CBE-MAG)	159
435-1(CBE-MAG)	123AP
435-2(CBE-MAG)	199
435-3(CBE-MAG)	123AP
435-4(CBE-MAG)	123AP
435-21026-0A	7400
435-21027-0A	7402
435-21028-0A	7404
435-21029-0A	7408
435-21030-0A	7410
435-21033-0A	7420
435-21034-0A	7451
435-21035-0A	7486
435-23006-0A	7473
435-23007-0A	7474
435-40012	116
435A	5981
435B	5983
435C	5987
435D	5987
435F	5989
435H	5991
435K	5993
435M	5995
435P	6069
435S	6069
435V	6073
435Z	6073
436-1(NAP)	2313
436-403-001	123A
436-404-002	159
436-10010-0A	7492
436-10011-0A	7496
436.0110	2040§
436A	5981
436B	5987
436C	5987
436D	5987
436F	5991
436H	5991
436K	5995
436M	5995
436P	5999
436S	5999
436V	6003
436Z	6003
436.0709	909D
436.0741	941M
437-1(ECB-MAG)	287
437-1(RCA)	787
437-1(SYL)	191
437-2(RCA)	787
437-3(RCA)	787
437A	5871
437B	5875
437C	5879
437D	5879
437F	5879
437H	5879
437K	5883
437M	5883
437P	5886
437P1(GE)	352
437S	5886
437V	5890
438-002/01	909D
438-002/02	909
438-002/12	778A
438-1(ECB-NAP)	187A
438-1(MAG-IC)	1416
438-1(RCA)	788
438-2(RCA)	788
438-3(RCA)	788
439-054/00	4000
439-054/01	4001B
439-054/11	4011B
439-054/12	4012B
439-054/13	4013B
439-054/16	4016B
439-054/24	4024B
439-054/25	4025B
439-054/27	4027B
439-054/49	4049
439-054/50	4050B
439-2(RCA)	789
440-1(SYL)	284
440-2(SYL)	284
441-1(MAG)	159
441-2(SYL)	285
441-819	3079
441A	5850
441B	5854
441C	5854
441D	5854
441F	5858
441H	5858
441K	5862
441M	5862
441P	5866
441S	5866
441V	5868
441Z	5868
442-1	319P
442-1(MAG)	319P
442-2(SYL)	331
442-3(MAG)	319P
442-4	785§
442-4(HEATH)	785§
442-5	780
442-7	909D
442-8	703
442-9	720
442-10	705A
442-11	748A
442-16	722
442-18(HEATH)	746
442-20	703
442-20-14299	703
442-21	778A
442-22	941M
442-28	708
442-30	309K
442-30-2897	309K
442-33	713
442-39	975
442-41	725
442-46	801
442-51	779A
442-53	955M
442-55	795§
442-56	747
442-57	714
442-58	715
442-59	783§
442-60	972
442-62	712
442-63	968
442-68	715
442-71	932
442-80(HEATH)	738
442-96	973§
442-99	4016B
442-602	987
442-604	2001
442-613	969
442-615	725
442-620	815
442-625	708
442-630	961
442-654	989
442-659	2022
442-674	966
442-675	967
442-682	2021
442-686	740A
442-688	832
442-691	964
442N1	319P
443-1	7400
443-1(MAG)	48
443-1(MAG-IC)	2201§
443-1(SYL)	332
443-2	7420
443-2(SYL)	332
443-4	7472
443-5	7473
443-6	7474
443-7	7490
443-7-16088	7490
443-12	7410
443-13	7475
443-15	7450
443-16	7476§
443-17	74141
443-18	7404
443-22	74121
443-23	74122
443-25	74151
443-26	74S00
443-27	9093
443-32	74121
443-34	7492
443-35	7441
443-36	7447
443-43	74H102
443-44	7413
443-44-2854	7413
443-45	7408
443-46	7402
443-53	7442
443-54	7403
443-65	7427
443-66	74192
443-70	74H103
443-71	74H00
443-72	7417
443-73	7416
443-74	75452B
443-77	7438
443-87	74145
443-89	7409
443-162	74193
443-604	4007
443-607	4013B
443-612	74193
443-623	7411
443-623-51644	7411
443-623(Heath)	74154
443-625	74132
443-628	74196
443-631	3040
443-640	7493A
443-642	7405
443-694	8368
443-698	7406
443-701	4049
443-703	4001B
443-704	4002B
443-706	4071B
443-707	4515B
443-708	4510B
443-713	4028B
443-717	74126
443-718	74LS195A
443-719	74LS266
443-727	96L02
443-728	74LS00
443-730	74LS74A
443-731	74LS290
443-732	74LS30
443-733	74LS293
443-737	4518B
443-738	4556B
443-745	74LS03
443-751	4081B
443-752	74LS175
443-754	74LS240
443-755	74LS04
443-757	74LS161A
443-760	4040B
443-764	2114
443-778	4093B
443-779	74LS02
443-780	74LS08
443-781	74LS75
443-784	4030B
443-791	74LS244
443-792	74LS132
443-794	75188
443-795	75189
443-797	74LS10
443-798	74LS20
443-799	74LS157
443-800	74LS27
443-802	74LS257
443-804	74LS259
443-805	74LS273
443-807	74LS42
443-811	74LS125A
443-815	74LS193
443-818	74LS05
443-822	74LS139
443-824	74LS241
443-827	6800
443-837	74LS373
443-839	74LS243
443-840	6875
443-843	6821
443-857	74LS366A
443-864	74LS11
443-872	74LS14
443-875	74LS32
443-877	74LS138
443-879	74LS132
443-881	3880
443-884	74LS242
443-885	74LS645
443-886	4012B
443-891	74LS86
443-896	74S02
443-897	74S04
443-899	74S65
443-900	74S74
443-904	2117
443-915	74S86
443-920	74LS85
443-928	4008B
443-929	4017B
443-935	74S153
443-D(HEATH)	7430
444-0012-PT2	160
444-01	9910§
444-02	9914
444-05	9913
444-012-P1	160
444-1(MAG)	89
444-1(NAP-IC)	1754◆
444(Sears)	123A
445-0023	130
445-0023-P1	130
445-0023-P3	130
445-0023-P4	130
445-0028-P1	5547
445-0028-P2	5547
445-0034-1	181
445-0300P3	5626§
445-0303-001	5642
445-0303-002	5642
445-1(MAG)	123A
445-1(MAG-IC)	1632
445-1(RCA)	711
445-1(RCA-Trans)	2302
446A	5851
446B	5854
446C	5855
446D	5855
446F	5859
446F(W.E.)	5809
446H	5859
446K	5863
446M	5863
446P	5866
446RB	5855
446S	5866
446V	5868
446Z	5868
447-08	941
447-1	319P
447-1(MAG)	319P
447-16	911
447-25	973D
447-33	973§
447-40	778A
447-50	941
447-55	941M
447(ZENITH)	123A
447N1	319P
448-002/03	941
448-1(MAG-IC)	960
448A662	128
449	184
449-1(MAG)	159
449-1(NAP-IC)	1752
450-1	123AP
450-1(MAG)	123AP
450-2(MAG)	199
450-1167-1	159
450-1167-2	123A
450-1261	123A
450N1	123AP
451-2(MAG)	159
451-3	159
451-3(MAG)	159
451C	987
451D	5944
451P3	159
452-0(SYL)	116
453-1(MAG)	455◆
454A25	116
454A104	128
454-A2534-1	116
454-A2534-10	116
455-1	126A
455-1(MAG)	153
455-1(MAG-IC)	74LS14
456-2	123AP
456-2(MAG)	123AP
456N2	123A
457-1(MAG)	152
457-2(MAG)	196
457-3(MAG)	196
458-1(SYL-Diode)	116
458-3	123AP
458-3(MAG)	123AP
458N3	123AP
460-1(MAG)	159
460-1(MAG-IC)	2023
460-2(RCA)	789
460-3(RCA)	789
460-1009	177
460-1013	116
461-1006	159
461-1014	129
461-1048	129
461-1055-01	159
461-2001	234
462-0119	123A
462-1(MAG)	196
462-2(MAG)	196
462-3(MAG)	196
462-5(MAG)	196
462-1000	123A
462-1007	128
462-1009-01	123A
462-1016	128
462-1019	128
462-1038-01	199
462-1059	198
462-1061	123A
462-1063	123A
462-1066-01	199
462-2002	123A
462-2004	199
462-i007	128
463-0(SYL)	116
463-1(MAG)	238
463-1(MAG-Trans)	238
463-1(SYL)	165
463-2(MAG)	238
463-2(MAG-Trans)	238
463-2(SYL)	165
464-1	159
464-1(MAG)	159
464-1(MAG-IC)	923D
464-100-19	109
464-103-19	109
464-106-19	109
464-110-19	110MP
464-111-19	109
464-113-19	109
464-119-19	110MP
464-280-19	5809
464-285-15	116
464-285-19	5809
464-311-19	140A
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465-005-19	102A
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465-036-19	102A
465-042-19	160
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465-049-19	160
465-061-19	160
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465-072-19	102A
465-073-19	102A
465-075-19	102A
465-080-19	102A
465-082-19	102A
465-086-19	160
465-1(MAG)	123AP
465-1A5	160
465-2A5	103A
465-4A5	101
465-106-19	123A
465-108-19	158
465-115-19	102A
465-132-19	102A
465-137-19	131
465-146-19	160
465-163-19	102A
465-165-19	102A
465-166-19	131MP
465-181-19	107
465-191-15	102A
465-206-19	131
465-223-19	160
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465A-15	160
465B-15	160
465C-15	121
466-1(MAG-IC)	943M
466-1A5	102A
466-2A5	102A
466-3A5	102A
467-1(NAP-IC)	1852
469-2(SYL)	152
469-199-19	5078A
469-646-3	128
470(5MM-MOV)	1V030
470(7MM-MOV)	1V030
470PA50	5595
470PA60	5595
470PA80	5596
470PA100	5596
470PA110	5596
470PA120	5596
470PB30	5595
470PB50	5595
470PB60	5595
470PB80	5596
470PB100	5596
470PB120	5596
470PDA10	6113
470PDA20	6113
470PDA30	6113
470PDA40	6113
470PDA50	6113
470PDA60	6113
470PDA80	6115
470PDA100	6115
471-009	726
471-010	116
471-1	171
471-1(MAG)	171
471-1(METAL)	401/128
471-1(Metal)(SYL)	128
471-1(Plastic)	188
471N1	171
471PDA80	6112
471PDA100	6112
471PDA120	6112
472-0309-001	128
472-0445-001	128
472-0491-001	123A
472-0946-001	130
472-0946-002	130
472-1(SYL)	198
472-1198-001	123A
473-1(MAG)	238
473A31	121
473B5	102A
473B6-2	102
473B6-2A	102
473B6-4	102
473B6-5	102
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474-004	116
474-025	116
474-1	123AP
474-1(MAG)	123AP
474-1(MAG-IC)	4052B
474-3A5	100
474A410AXP001	124
474A410BEP2	152
474A410BW-2	152
474N1	123AP
475-018	5802
475-1	159
475-1(MAG)	159
475-1(MAG-IC)	4001B
475P1	159
476-1	397
476-1(MAG)	397
476A	123
476P1	397
477-0375-001	9932
477-0376-001	909
477-0376-002	909D
477-0377-001	9930
477-0379-001	9962
477-0380-001	9945
477-0381-001	9946
477-0404-002	910
477-0412-004	7473
477-0415-002	7450
477-0417-002	7453
477-0542-001	941
477-1	386
477-1(MAG)	386
477A15	105
477B15	121MP
477C15	121MP
477N1	386
478C	5874
479-0547-001	519
479-0663-005	177
479-1	287
479-1(MAG)	287
479-1(MAG-IC)	960
479-3(MAG-IC)	964
479-4(MAG-IC)	966
479-5(MAG-IC)	968
479-6(MAG-IC)	958
479-7(MAG-IC)	972
479-1006-002	5529
479-1012-001	519
479-1013-001	519
479-1013-002	519
479-1055-001	519
479-1066	5529
479-1163-001	519
479-1229-001	519
479-1248-001	519
479N1	287
480-1	194
480-1(MAG)	194
480-1(MAG-IC)	859
480-9(SEARS)	131
480-10(RCA)	4017B
480L40(MOV)	2V480
480L80(MOV)	524V48
480N1	194
481-0001(Gremlin)	116
481-0004(Gremlin)	5802
481-0006(Gremlin)	519
481-0009(Gremlin)	5340
481-1(SYL)	5802
481-2(SYL)	5800
481-3(SYL)	5802
481-201-A	128
481-201-B	128
481-34842	191
482-0006(Gremlin)	159
482-0007(Gremlin)	130
482-0010(Gremlin)	293
482-0013(Gremlin)	261
482-0014(Gremlin)	123AP
482-0015(Gremlin)	262
482-0016(Gremlin)	291
482-0019(Gremlin)	261
482-0023(Gremlin)	466
482-0100(Gremlin)	262
482-1	159
482-1(MAG)	159
482P1	159
483-3141	123A
484A15	121
486-1(MAG)	123AP
486-1551	123A
486-40235-G02	116
487-1(MAG)	159
488-1(EBC-SYL)	399
488-2(SEARS)	108
488B15	160
488C15	100
489-1(MAG)	193
489-1(NAP-IC)	1744
489P2	339
490-2(SEARS)	108
491-2(SEARS)	108
491A948	128
491N(ITT)	75491B
492-1(MAG-IC)	2013
492-1A5	105
492N(ITT)	75492B
493-1(MAG-IC)	4053B
493N(ITT)	75493
494-1(NAP-IC)	778A◆
496-1(MAG-IC)	1655
498-1(CBE-MAG)	159
498-2(CBE-MAG)	159
499-1	108
499-1(CBE-MAG)	123AP
499-1(Zenith)	123AP
499-2(CBE-MAG)	123AP
499-3(CBE-MAG)	123AP
499-4(CBE-MAG)	123AP
499(Chrysler)	152
499(ZENITH)	123A
500-019	3020
500-1(CBE-MAG)	123AP
500-2(CBE-MAG)	123AP
500-3(CBE-MAG)	123AP
500-4(CBE-NAP)	199
500-5D(ITT)	75492B§
500B10	125
500RS20	525
500S10	125
500S20	525
501-068	282§
501-5M(ITT)	75491B
501-363-2	5802
501-4249	123AP
501ES001M	108
501P(Trans)	85
501T1	160
501V60	6102
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501V80B	6104
501V100	6104
501V100B	6104
501V120	6104
501V120B	6104
501VR60	6103
501VR60B	6103
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501VR80B	6105
501VR100	6105
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501VR120	6105
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502-1(NAP)	229
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503T1	160
503-T10192	156
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503-T21472	109
504-067	1232
504-080-000	HiDiv-1
504-1(MAG-IC)	1219◆
504T1	160
505-1(CBE-MAG)	159
505-2(CBE-MAG)	159
505-2(SYL)	297
505ES105	176
505T1	160
506-2(SYL)	288
506T1	160
507-0(SYL)	184
507-1(NAP)	2406
507-1(NAP-IC)	7018
507-2(NAP)	2406
507-4757-3331-500	3200
507-4758-3331-500	3200
507-4857-3332-500	3201
507-4858-3332-500	3201
507-4957-3333-500	3202
507-4958-3333-500	3202
507T1	160
508-0(SYL)	185
508-1(NAP)	1890
508-1(RCA)	128
508-1(SYL)	188
508-2(SYL)	188
508T1	160
509-1	238
509-1(MAG)	165
509-1(SYL)	189
509-2(SYL)	189
509(Sears)	123A
509ES0258	176
509N1	238
509R	290A
509Y	290A
510-1(NAP)	2407
510-4(SYL)	287
510A90	109
510ED46	109
510IN60	109
510IS34	109
511-1(MAG)	47
511-3	5531
511-515	123
511-519	123
511-898	116
512-1(NAP)	331
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512RED	123A
513-891	114
513ES045P	176
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514-048	761§
514-053	OBS-NLA
514-019136	116
514-019613	109
514-022057	109
514-023553	101
514-023626	116
514-025607	116
514-026814	6027
514-027051	5002A
514-027662	100
514-027757	116
514-028072	116
514-028073	116
514-030963	5962
514-031162	5962
514-032815	100
514-033338	289A
514-033377	121
514-033903	177
514-035596	116
514-038984	116
514-040296	312
514-042791	177
514-043826	5514
514-044910	159
514-045244	125
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514-047828	210
514-047829	211
514-047830	196
514-047837	211
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514-048551	761§
514-052689	5963
514-053752	OBS-NLA
514-053981	975
514-054214	130
514-054489	74107
514-057814	5673
514-058337	5414
514-058621	88
514-058969	3020
514-058992	5014A
514-059342	5650
514-059464	7403
514-059465	7402
514-059466	7420
514-059467	7474
514-059468	74150
514-059469	74154
514-059471	5543
514-059628	4011B
514-060021	7405
514-060260	2042§
514-061662	912
514-061735	2040§
514-061986	7410
514-061987	7404
514-061988	7486
514-062023	992
514-062025	966
514-062141	975
514-062142	4016B
514-062143	4051B
514-062144	4071B
514-062145	4081B
514-062212	975
514-063293	778A
514-063882	7412
514-063883	74195
514-064032	2040§
514-0594463	7400
514-1(MAG-IC)	2164
514-1(NAP)	2401
514-1(RCA)	127
514-100243	519
514-100547	2042§
514-100576	56022
514-100684	3046
514-101082	74LS00
514-101083	74LS02
514-101084	74LS03
514-101085	74LS04
514-101086	74LS05
514-101087	74LS10
514-101088	74LS12
514-101089	74LS20
514-101090	74LS30
514-101091	74LS74A
514-101092	74LS75
514-101093	74LS86
514-101094	74LS107
514-101095	74LS151
514-101096	74LS164
514-101097	74LS195A
514-101099	4013B
514-101391	4017B
514-101392	4019B
514-101393	4081B
514-101395	4001B
514-101396	4555B
514-101397	4512B
514-101550	4069
514-101843	4042B
514-101844	4012B
514-101845	4023B
514-102343	4002B
514-102579	74LS42
514-102661	4066B
514-102758	6508
514-102916	4024B
514-103420	778A
514-103421	2041§
514-103488	4070B
514-103682	960
514-103684	968
514-103685	969
514-103697	902
514-103698	7447
514-103699	4028B
514-103700	2011
514-103701	4556B
514-103702	4099B
514-103704	7417
514-112279	941M
515	123
515-0074	201
515-299	116
515-521	108
515-10408A01	710
515-10408A-01	710
515ORN	123A
516	123
516-1(RCA)	159
516-2(SYL)	295
517-0021	116
517-0025	116
517-0031	116
517-0033	116
517-1(MAG)	2310#
517-2(MAG)	2310#
517-2(SYL)	152
517-3(NAP)	2310#
517-518	123
518-027-4B01	1288
518-1(MAG)	46
518-2(SYL)	292
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519-1(RCA)	123AP
520-1(RCA)	124
520-301	128
520T1	100
521-081	110MP
521-094	116
521-1(RCA)	108
521-145	109
521-9167	3018
521-9185	3000
521-9186	3001
521-9189	3007
521-9195	3001
521-9206	3010
521-9207	3011
521-9217	3020
521-9224	3024
521-9225	3021
521-9246	3022
521-9248	3021
521-9249	3022
521-9250	3024
521-9256	3022
521-9258	3021
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521T1	100
522-726	116
522-893	113A
522-958	170
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523-0001-001	116
523-0001-002	116
523-0001-003	116
523-0001-004	116
523-0001-005	116
523-0001-006	116
523-0001-007	125
523-0001-008	125
523-0001-009	125
523-0001-010	125
523-0006-002	519
523-0007-001	519
523-0009-027	613
523-0009-041	610
523-0009-049	614
523-006-002	519
523-0013-002	116
523-0013-201	519
523-0015-001	5800
523-0016-500	5981
523-0017-001	156
523-0501-002	116
523-0501-003	116
523-250-3-100	140A
523-1000-001	116
523-1000-067	109
523-1000-67	109
523-1000-294	109
523-1000-295	109
523-1000-326	OBS-NLA
523-1000-881	116
523-1000-882	116
523-1000-883	519
523-1002-326	109
523-1500-002	116
523-1500-012	552
523-1500-067	109
523-1500-881	116
523-1500-883	519
523-2001-100	140A
523-2003-001	109
523-2003-0-1	109
523-2003-100	140A
523-2003-101	5096A
523-2003-110	5074A
523-2003-120	142A
523-2003-130	143A
523-2003-140	144A
523-2003-150	145A
523-2003-160	5075A
523-2003-170	5076A
523-2003-180	5077A
523-2003-190	5078A
523-2003-200	5079A
523-2003-220	5080A
523-2003-240	5081A
523-2003-250	5082A
523-2003-270	146A
523-2003-300	5084A
523-2003-330	147A
523-2003-339	5066A
523-2003-360	5085A
523-2003-369	134A
523-2003-390	5086A
523-2003-399	5067A
523-2003-430	5087A
523-2003-439	5068A
523-2003-450	5088A
523-2003-470	5088A
523-2003-479	5069A
523-2003-500	5089A
523-2003-510	5089A
523-2003-519	135A
523-2003-520	5089A
523-2003-560	5090A
523-2003-569	136A
523-2003-620	149A
523-2003-629	137A
523-2003-680	5092A
523-2003-689	5071A
523-2003-750	5093A
523-2003-759	138A
523-2003-820	150A
523-2003-829	5072A
523-2003-910	5095A
523-2003-919	139A
523-2004-100	5125A
523-2005-100	140A
523-2005-279	5063A
523-2005-369	134A
523-2005-759	138A
523-2005-829	5072A
523-2005-919	139A
523-2503-100	140A
523-2503-120	142A
523-2503-150	145A
523-2503-689	5071A
523-2503-829	5072A
523-2503-919	139A
523-2509-100	140A
523-2514-629	137A
523-4001-001	156(4)
523-4004-007	5322
523-1000882	116
524-1(RCA)	229
524-2	229
524-2(RCA)	229
524-457	109
524WHT	123A
525-1(MAG)	2343
525-2(MAG-IC)	1903
525-2(NAP)	2343
525-3(MAG-IC)	1905
525-24	116
525-26	125(4)
525-212	125
525-498	116
525-877	109
525-1(MAG-IC)	1917
525BF	5483§
526-1(MAG)	294
526-1(SYL)	188
526-376	116
527-062	113A
527-1(MAG-IC)	4051B
527-1(NAP)	383
527-1(RCA)	108
527-2(NAP)	383
527-3(NAP)	383
527-798	5809
528-1(MAG)	374
528-1(RCA)	785§
528-2(MAG)	374
528-3(MAG)	374
528-325	5809
529-1(CEB-NAP)	229
529-1A(CEB-MAG)	229
529-2(CEB-MAG)	229
530-082-3	125
530-082-4	125
530-082-1003	5809
530-086-1	116
530-088-1	116
530-088-2	5809
530-088-3	125
530-088-1002	125
530-088-1003	125
530-088-1004	125
530-094-1	116
530-095-1	116
530-098-1	116
530-099-1	116
530-099-3	116
530-099-4	116
530-1(ECB-MAG)	288
530-1(MAG-IC)	7407
530-1(RCA)	108
530-2(RCA)	108
530-106-1	116
530-106-1001	125
530-109-1	116
530-111-1	116
530-111-1001	125
530-113-1	116
530-119-1	503
530-120-1	116
530-122-1	5809
530-132-1	118
530-136-T	125
530-919(MAG-Diode)	5018A
531-1(MAG)	198
532-1(MAG)	2315
532-1(RCA)	123AP
532-1(SYL)	182§
532-2(MAG)	2315
532-3(MAG)	2315
532-4(NAP)	2315
532-5(NAP)	2315
532-341	116
532-341A	116
533-1(MAG)	51
533-1(MAG-IC)	74LS09
534-1(MAG)	457
534-1(MAG-IC)	74LS156
535-1(MAG)	382
535-1(NAP-IC)	859
535-1(RCA)	319P
535-2(MAG)	382
535-3(MAG)	382
535A	107
535M	229
536-1(NAP-IC)	74HCT00
536-1(RCA)	123AP
536-2(RCA)	123AP
536-4(NAP-IC)	74HCT04
536-8(NAP-IC)	74HCT08
536-32(NAP-IC)	74HCT32
536-138(NAP-IC)	74HCT138
536-161(NAP-IC)	74HCT161
536-174(NAP-IC)	74HCT174
536-244(NAP-IC)	74HCT244
536-273(NAP-IC)	74HCT273
536-373(NAP-IC)	74HCT373
536-374(NAP-IC)	74HCT374
536D	123A
536D9	123A
536F	123A
536F(JVC)	199
536FS	123A
536FU	123A
536G(Wards)	123A
536GT	199
536GU(Wards)	128
536J2F	116
537-5	199
537D	123A
537E	123A
537FS	108
537FV	123A
537FY	123A
537J2F	116
538-1(MAG)	47
538-1(SYL-IC)	2200
538-2(MAG)	47
538J2F	116
539-1(MAG)	54
539-1(RCA)	123AP
539-1(SYL)	238
539-2010-609	3028
539-2010-610	3028
539-2010-612	3028
539J2F	116
540-008	5804
540-010	116
540-012	6407
540-013	144A
540-014	125
540-015	5801
540-016	177
540-019	5077A
540-024	142A
540-025	177
540-026	177
540-028	177
540-028-00	519
540-029	138A
540-030	145A
540-032	135A
540-033	177
540-033-00	519
540-036	145A
540-037	139A
540-038	135A
540-039	5076A
540-040	5080A
540-041	5074A
540-043	5079A
540-1(MAG)	2310
540-1(RCA)	159
540-1(SYL)	159
540-442-506	180
540-443-510	181
540J2F	116
541-1(MAG)	2300#
541-1(RCA)	127
542-1(MAG)	268
542-1(SYL)	5602
542-2(MAG)	268
542-2(SYL)	5605
542-1033	128
542-1034	130
543-1(SYL)	124
544-0003-043	837
544-1(MAG)	229
544-1(RCA)	123AP
544-2002-004	726
544-2002-008	912
544-2003-002	748A
544-2003-005	968
544-2003-006	OBS-NLA
544-2003-009	964
544-2003-016	960
544-2004-001	OBS-NLA
544-2005-001	992
544-2006-001	1115
544-2006-011	1232
544-2006-11	1276
544-2007-001	993
544-2020-001	987
544-2020-002	987
544-2020-003	987◆
544-3001-001	9924§
544-3001-002	OBS-NLA
544-3001-103	4001B
544-3001-117	4017B
544-3001-127	4016B
544-3001-135	4002B
544-3001-140	4049
544-3001-201	991
544-3014-011	4011B
544-3014-024	4024B
544-3014-049	4049
544-3014-077	4077B
544-3014-511	4511B
544C	1006
545-001	5603
545-1(MAG)	128P
545-1(NAP-IC)	1786
546	108
546-1(MAG)	129P
546-1(MAG-IC)	2085
546-2(NAP-IC)	2087
547-1(MAG)	288
547J2F	125
548-1(MAG)	379
548-1(MAG-IC)	74LS244
549-1	159
549-1(NAP)	2407
549-1(RCA)	159
549-2	159
549-2(RCA)	159
550-001	121MP
550-017	159
550-026	123AP
550-026-00	123A
550-027	159
550-027-00	159
550-030	6410§
550-031	457
550-033	289A
550-040	282§
550-047	159
550-058	159
550-059	188
550-060	189
550-061	287
550-062	130
550-064	159
550-066	188
550-067	159
550-069	159
550-070	123AP
550-071	159
550-072	189
550-1(NAP)	2406
550-1(SYL)	194
550PB30	5595
550PB50	5595
550PB60	5595
550PB80	5596
550PB100	5596
550PB120	5596
551	108
551-0002	3042
551-006	761§
551-007	OBS-NLA
551-008	976
551-008-00	941M
551-009	778A
551-010	9946
551-010-00	9946
551-011	74121
551-012	7432
551-013	9945
551-013-00	9945
551-014	9810
551-015	7408
551-016	960
551-019	74107
551-020-000	2040§
551-021-00	2040§
551-022-00	778A
551-023-00	941D
551-025-00	902
551-026-001	778A
551-029-00	2041§
551-029-01	2041§
551-030-00	978
551-031-00	74C157
551-032-00	4006B
551-033-00	4001B
551-034-00	4071B
551-037-00	966
551-038-00	4013B
551-039-00	4042B
551-040-00	4011B
551-042-22	967
551-043-00	4051B
551-044-00	955M
551-047-00	902
551-051-00	4081B
551-052-00	4520B
551-054-00	4069
551-056-00	4515B
551-057-00	4555B
551-058-000	4098B
551-059-00	4035B
551-1(MAG)	51
551-1(RCA)	123AP
551A	761§
552-003-00	2042§
552-013-00	2060
552-013-01	2060
552-1(MAG)	31
552-1(NAP)	31
552-1(RCA)	154
552-2(NAP)	31
552(ITT)	2011
553-1(MAG)	32
553-1(NAP)	32
553-1(RCA)	128
553-2(NAP)	32
554-1(MAG)	399
554-1(NAP)	399
554-1(RCA)	730
554-2(NAP)	399
554-2(RCA)	730
554-3(NAP)	399
554-3(RCA)	730
554-4(RCA)	730
554(IC)	1142
554(ITT)	2012
554C(IC)	1142
555	955M
555-1(NAP)	2302
555-1(RCA)	128
555-2(NAP)	2302
555-2(RCA)	128
555-3(RCA)	128
555-4	128
555(IC TIMER)	955M
555(IC)	OBS-NLA
555A(IC)	703
555AB(IC)	703
555C(IC)	703
555CP(IC)	955M
555D(IC)	955M
555H(IC)	1092
556-1(NAP)	489
556(IC TIMER)	978
556(ITT)	2013
556J	978
556L	978
557-1(MAG)	253
557-1(SYL)	116
558-1(NAP)	216
558(IC)	1051
558(ITT)	2014
558C	1051
558C(IC)	1051
558CP(IC)	926
559-1	159
559-1(NAP)	2393
559-1(RCA)	159
559-2(NAP)	2393#
559-3(NAP)	2393#
559-5(NAP)	2393
559-6(NAP)	2393
559-1492-001	9911
559-1493-001	9921
559-1494-001	9913
559-1495-001	9909
559-1496-001	9910§
559-1516-001	128§
560-1(RCA)	123AP
560-2	123AP
560-2(RCA)	123AP
560(5MM-MOV)	1V035
560(7MM-MOV)	1V035
560(RCA)	729
561-0884-006	910D
561-0884-041	941D
561-0884-043	941M
561-0884-047	947D
561-1(NAP)	2315
561-1(RCA)	123AP
561-2(NAP)	2315
561-2510-320	6408
561-2511-106	109
561-2511-120	109
561-2511-190	109
561-2511-210	109
561-2511-240	109
561-2511-290	109
561-2511-400	109
561-2511-503	109
561-2511-510	109
561-2511-530	109
561-2511-535	116
561-2511-538	109
561-2511-540	109
561-2511-544	109
561-2511-555	109
561-2511-558	109
561-2511-564	5048A
561-2511-570	109
561-2511-575	109
561-2511-580	177
561-2511-700	5007A
561-2511-900	5014A
561-2554-560	177
561-2554-570	177
561-2554-571	177
561-2554-577	177
561-2554-578	177
561-2554-610	177
561-2554-620	177
561-2554-820	177
561-2554-821	177
561-2554-824	177
561-2554-830	177
561-2554-841	177
561-2554-842	177
561-2554-850	177
561-2554-880	506
561-2556-250	177
561-2556-270	177
561-2556-290	177
561-2556-360	109
561-2556-450	116
561-2556-590	177
561-2556-620	177
561-2556-950	109
561-2557-032	5006A
561-2557-042	5007A
561-2557-050	5009A
561-2557-060	5012A
561-2557-062	5120A
561-2557-070	5014A
561-2557-092	137A
561-2557-142	140A
561-2557-152	5130A
561-2557-161	142A
561-2557-191	5075A
561-2560-460	5005A
561-2560-461	5066A
561-2560-480	5067A
561-2560-491	5068A
561-2560-501	5069A
561-2560-520	136A
561-2560-522	136A
561-2560-530	5013A
561-2560-531	137A
561-2560-680	5028A
561-2560-754	5071A
561-2560-755	5015A
561-2560-756	5072A
561-2560-757	139A
561-2560-758	140A
561-2560-816	5070A
561-2560-820	137A
561-2560-823	137A
561-2560-825	137A
561-2560-914	519
561-2560-915	177
561-2560-935	139A
561-2560-957	5071A
561-2560-958	138A
561-2560-961	140A
561-2560-962	140A
561-2560-963	142A
561-2560-964	146A
561-2560-966	5027A
561-2560-967	5027A
561-2560-969	5080A
561-2560-970	5081A
561-2560-971	146A
561-2561-313	5017A
561-2561-321	5038A
561-2561-322	5040A
561-2561-358	5196A
561-2561-359	5197A
561-2561-370	5214A
561-2561-590	5178AK
561-2561-604	5186AK
561-2561-766	137A
561-2561-776	5075A
561-2561-780	5079A
561-2561-788	5089A
561-2568-191	5194A
561-2568-280	5206A
561-2568-300	5210A
561-2568-312	5212A
561-2573-260	OBS-NLA
561-2579-707	5181AK
561-2580-003	5216AK
561-2580-040	5220A
561-2580-152	5232A
561-2580-392	149A
561-2583-110	5254A
561-2583-141	5257A
561-2583-605	177
561-2589-606	177
561-2583-791	5127A
561-2583-793	5127A
561-2588-092	5151A
561-2588-165	5068A
561-2588-930	5116A
561-2589-930	5174AK
561-2589-971	5178AK
561-2590-090	177
561-2591-480	519
561-2591-520	177
561-2591-530	519
561-2591-540	519
561-2593-701	5000A
561-2594-480	519
561-2597-180	5133A
561-2597-280	5066A
561-2597-291	134A
561-2597-310	5068A
561-2597-321	5069A
561-2597-341	136A
561-2597-350	137A
561-2597-351	137A
561-2597-361	5071A
561-2597-381	5072A
561-2597-383	139A
561-2597-420	142A
561-2597-421	142A
561-2597-440	145A
561-2597-441	145A
561-2597-464	5077A
561-2597-471	5079A
561-2597-570	5089A
561-2598-000	5005A
561-2598-250	5010A
561-2599-340	506
561-2599-360	506
561-2600-230	139A
561-2602-210	5000A
561-2602-300	5010A
561-2602-310	139A
561-2602-350	5071A
561-2602-430	143A
561-2602-440	144A
561-2603-383	5116A
561-2603-530	5131A
561-2654-756	5012A
561-2706-000	506
561-2707-770	519
561-2709-560	5090A
561-4538-309	3046
561-4538-310	3045
561-4538-311	3041
561-4538-312	3041
561-4800-350	5673
561-4800-402	5673
561-4800-403	5675
561-4800-425	5635
561-4800-440	5651
561-4800-442	5651
561-4800-443	5652
561-4800-445	5695
561-4800-446	5635
561-4800-447	56024
561-4800-448	5651
561-4800-450	5635
561-4800-452	5673
561-4800-454	5675
561-4800-456	56024
561-4800-502	5673
561-4800-515	6403
561-4800-520	6403
561-5000-093	116
561-5004-412	116
561-5005-360	116
561-5005-380	116
561-5005-390	116
561-5005-400	116
561-5005-470	116
561-5005-890	177
561-5006-460	116
561-5006-470	116
561-5008-810	116
561-5010-820	116
561-5010-840	116
561-5010-950	116
561-5010-960	116
561-5011-190	5842
561-5011-200	5842
561-5011-842	5986
561-5011-850	5986
561-5011-860	5986
561-5011-870	5990
561-5011-876	5991
561-5011-880	5990
561-5011-900	5994
561-5011-902	5994
561-5011-946	5987
561-5011-970	5994
561-5011-976	5987
561-5012-021	5874
561-5012-027	5875
561-5012-042	5878
561-5012-180	116
561-5012-210	116
561-5012-220	116
561-5013-422	5854
561-5013-432	5854
561-5014-980	116
561-5015-660	5804
561-5015-662	116
561-5015-860	5842
561-5016-140	5854
561-5016-160	5863
561-5016-920	116
561-5016-930	116
561-5016-940	116
561-5016-950	116
561-5016-960	116
561-5017-640	116
561-5020-690	116
561-5020-700	116
561-5020-701	116
561-5020-710	116
561-5021-292	6026
561-5021-576	5991
561-5021-600	5994
561-5024-830	116
561-5026-100	116
561-5026-130	116
561-5031-930	116
561-5031-940	116
561-5031-950	116
561-5032-080	5940
561-5032-086	5944
561-5032-090	5944
561-5032-140	5952
561-5032-530	116
561-5032-770	116
561-5032-790	116
561-5032-890	6155
561-5032-891	6154
561-5032-930	6156
561-5034-951	177
561-5037-400	6356
561-5037-410	6358
561-5037-680	6002
561-5040-010	116
561-5040-020	116
561-5040-030	116
561-5040-040	116
561-5040-050	116
561-5040-060	125
561-5040-070	125
561-5040-440	6354
561-5040-480	6354
561-5040-820	5804
561-5040-830	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
561-5040-850	116
561-5045-270	5994
561-5047-210	5802
561-5050-600	116
561-5053-970	5806
561-5106-830	5522
561-5106-880	5527
561-5106-890	5529
561-5106-900	5529
561-5106-920	5531
561-5117-750	5485§
561-5117-780	5487§
561-5135-280	5641
561-5138-980	5527
561-5138-990	5547
561-5141-720	5485§
561-5144-420	5444
561-5144-440	5448
561-5150-600	5400
561-5150-610	5401
561-5150-620	5402
561-6160-225	5491
561-6160-368	5912
561-6160-550	166
561-6160-650	5312
561-6160-660	5800
561-6160-680	5401
561-6161-090	5801
561-6162-030	5483§
561-6162-246	167
561-6162-247	156
561-6162-248	5455
561-6162-250	5483§
561-6162-251	5514
561-6162-252	116
561-6162-295	5543
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586-152	9936
586-153	9946
586-154	9099
586-155	9962
586-187	9945
586-294	7410
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586-308	9937
586-331	9806
586-412	9812
586-415	9157
586-425	9093
586-437	1171
586-442	9158
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586-528	9802
586-546	9800
586-547	9808
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592-250V	1V250
592-31312	1V130
592-31512	1V150
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592-61312	1V130
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593-150V	1V150
593-31312	1V130
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595-150V	2V150
595-250V	2V250
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658(ITT)	2014
660-125	128
660-126	123A
660-127	108
660-128	128
660-131	123A
660-134	123
660-145	128
660-220	123A
660-221	123A
660-222	123A
660-224	158
660-225	123A
660-227	102A
660-228	103A
660-230	116
660B	102
661-000-001	601
661-029A	85
661-029B	287
661-029C	287
661-029D	287
661-030A	288
661-030B	288
661N026A	288
662N011J	287
662N011K	287
662N012J	288
662N012K	288
662N013B	229
662N031B	229
662N031C	229
663-1(SYL)	506
664-1(NAP-IC)	1765
664-2(NAP-IC)	1765
664-408B	289A
664N-418A	197
664N418A	197
664N419A	85
664N419B	85
664N426A	199
664N-610A	234
665-1A5L	160
665-2(RCA)	130
665-2A5L	103A
665-4A5L	101
665-802C	152
665-812A	85
665-812B	85
665-814B	85
665-815B	290A
665-816A	199
665-816B	199
665-819B	229
665-820A	85
665-821A	375◆
665-830A	289A
665-830B	289A
665-834A	399
665-857Y	398
665A-1-5L	160
665B-1-5L	126A
665C-1-5L	121
666-1(RCA)	159
666-1(SYL)	128
666-1-A-5L	102A
666-2-A-5L	102A
666-3A-5L	102A
668-137A	1186
668-137B	1187
668-138A	1187
668-139A	712
668-140A	712
668-141A	712
668-142A	712
668-143A	1550
668-144A	615A
668CS	108
668N045A	1003
668N050A	1385
669	159
669-1(RCA)	163A
669-2(RCA)	165
669A459H01	910D
669A464H01	9932
669A469H01	911D§
669A471H01	7472
669A492H01	9962
670-1(NAP-IC)	943SM
671-1(NAP-IC)	960
671-1(SYL)	102A
671-1A(SYL)	102A
671-1B(SYL)	102A
671-1C(SYL)	102A
671-2(NAP-IC)	964
671-3(NAP-IC)	966
671-4(NAP-IC)	968
671A290H01	9930
671A291H01	9944
671A292H01	9945
671A293H01	9946
672(NAP-IC)	999
674-3A5L	100
675-153	158
675-154	102A
675-155	102A
675-156	102A
675-158	109
675-206	131MP
676-1	233
676-1(NAP-IC)	74LS132
676-1(RCA)	229
677-1(RCA)	780
677-2(RCA)	780
677-3(RCA)	780
677A-1-5L	105
677B-1-5L	121MP
677C-1-5L	121MP
678-1(SYL)	5605
678-3(SYL)	5605
678-4(SYL)	5605
679-1	773
679-1(BRIDGE)	5340
679-1(RCA)	191
679-2	5340

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
679-3	5342
679-4	5342
679-5	5342
679-6	5342
679-8	5327
679-10	823
680-1	753§
680-1(BRIDGE)	5340
680-1(RCA)	319P
680-1(Transistor)	161
680-2	5340
680-2(RCA)	319P
680-8	5344
680(5MM-MOV)	1V040
680(7MM-MOV)	1V040
681-1(NAP-IC)	1781
681-1(RCA)	152
682-1(RCA)	185
683-1(RCA)	130
684-1	87
684-1(SYL)	87
684-2(SYL)	87
684-652423-1	116
684A-1-5L	121
686-0012	128
686-0112	128
686-0130	128
686-0165	128
686-0210	175
686-0210-0	175
686-0243	130
686-0243-0	130
686-0325-0	159
686-1(NAP-IC)	7066
686-1(RCA)	222
686-143	130
686-143A	130
686-229-0	128
686-257-0	199
686-2700	159
687-1	154
687-1(RCA)	191
687-2(SYL)	177
688-1(NAP-IC)	1858
688-1(RCA)	5404
688B-1-5L	160
688C-1-5L	100
690-1(SYL)	312
690B	400/128
690L-021H25	152
690L-021H26	153
690L270H02	121
690L297H01	160
690L297H02	121
690V02H69	108
690V010H40	161
690V010H41	108
690V010H42	126A
690V028H28	108
690V028H48	108
690V028H69	108
690V028H89	108
690V031H33	116
690V034H29	126A
690V034H30	102A
690V034H31	102A
690V034H32	109
690V034H39	102
690V034H74	109
690V037H92	120
690V038H22	156
690V038H23	113A
690V039H17	119
690V039H22	156
690V039H52	116
690V039H54	120
690V040H57	126A
690V040H58	126A
690V040H59	126A
690V040H60	126A
690V040H61	102
690V040H62	102
690V040H63	109
690V041H08	116
690V043H62	158
690V043H63	158
690V047H54	126A
690V047H55	126A
690V047H56	100
690V047H57	100
690V047H58	102
690V047H59	102A
690V047H60	102
690V047H61	109
690V047H97	123A
690V049H81	108
690V052H23	102
690V052H24	102
690V052H50	109
690V052H63	160
690V052H68	109
690V053H57	116
690V054H20	102A
690V054H21	102
690V056H27	160
690V056H29	160
690V056H30	160
690V056H31	160
690V056H32	160
690V056H33	102A
690V056H34	102A
690V056H89	126A
690V056H90	102
690V057H25	160
690V057H27	102
690V057H28	102
690V057H59	126A
690V057H62	126A
690V059H20	102A
690V059H21	158
690V059H52	102A
690V059H55	102A
690V059H63	109
690V060H58	108
690V060H59	108
690V061H98	102
690V061H99	102
690V062H47	102A
690V063H14	126A
690V063H15	126A
690V063H16	102
690V063H17	102
690V063H50	102A
690V063H51	102
690V066H44	126A
690V066H45	126A
690V066H46	102
690V066H47	102
690V066H48	109
690V066H49	126A
690V066H89	160
690V067H09	109
690V067H35	103A
690V068H29	126A
690V068H30	102
690V068H31	102
690V068H32	109
690V069H39	116
690V070H49	108
690V070H98	108
690V073H59	126A
690V073H60	109
690V073H85	126A
690V075H62	128
690V075H68	108
690V077H34	126A
690V077H35	126A
690V077H36	126A
690V077H37	102
690V077H73	102A
690V080H36	161
690V080H37	126A
690V080H38	154
690V080H39	102
690V080H40	126A
690V080H41	123
690V080H42	127
690V080H43	127
690V080H44	102
690V080H45	163A
690V080H47	116
690V080H49	506
690V080H50	506
690V080H51	506
690V080H52	116
690V080H53	167
690V080H54	156
690V080H91	116
690V081H07	108
690V081H08	160
690V081H09	121
690V081H40	166
690V081H91	506
690V081H92	145A
690V081H96	103A
690V081H97	104
690V082H47	158
690V083H89	109
690V084H60	126A
690V084H61	102A
690V084H62	123A
690V084H63	102A
690V084H94	108
690V084H95	108
690V084H96	108
690V085	158
690V085H42	126A
690V085H44	158
690V086H39	102
690V086H51	123A
690V086H52	108
690V086H86	159
690V086H87	108
690V086H88	123A
690V086H89	129
690V086H90	128
690V086H91	116
690V086H92	116
690V086H94	161
690V086H95	161
690V086H96	108
690V088H20	177
690V088H44	108
690V088H45	108
690V088H46	107
690V088H47	107
690V088H48	108
690V088H49	107
690V088H50	123A
690V088H51	123A
690V088H52	102A
690V089H46	107
690V089H86	107
690V089H89	123A
690V089H90	102A
690V089H91	116
690V092H52	123A
690V092H54	123A
690V092H81	123A
690V092H84	123A
690V092H85	109
690V092H88	5809
690V092H96	123A
690V092H97	123A
690V094H17	130
690V094H18	102A
690V094H19	102A
690V094H20	102A
690V094H21	123A
690V094H35	116
690V097H59	102A
690V097H62	123A
690V098H48	123A
690V098H49	123A
690V098H50	123A
690V098H51	131
690V098H52	109
690V098H53	116
690V099H59	158
690V099H79	123A
690V0103H27	123A
690V38H25	358
690V68H32	109
690V73H60	109
690V102H39	103A
690V102H40	177
690V102H71	123A
690V102H96	126A
690V103H23	108
690V103H24	108
690V103H25	108
690V103H26	108
690V103H27	108
690V103H28	107
690V103H30	128
690V103H31	123A
690V103H33	123A
690V103H53	142A
690V103H54	109
690V104H53	102A
690V104H54	102A
690V105H32	139A
690V109H44	116
690V109H46	107
690V110H30	108
690V110H31	108
690V110H32	108
690V110H33	108
690V110H34	128
690V110H36	128
690V110H55	129
690V114H29	108
690V114H30	123A
690V114H31	108
690V114H33	123A
690V114H36	116
690V116H19	108
690V116H20	107
690V116H21	123A
690V116H22	312
690V116H23	159
690V116H24	128
690V116H25	185
690V116H26	184
690V116H40	142A
690V116H41	116
690V118H57	177
690V118H58	116
690V118H59	108
690V118H60	159
690V118H61	159
690V118H62	102A
690V119H14	116
690V119H15	177
690V119H54	158
690V119H94	126A
690V119H95	160
690V119H96	160
690V119H97	160
690VO37H91	109
691C844	128
692-0014-00	OBS-NLA
692-0016-00	9924§
692-0020-00	9989
692-1(SYL)	312
692-2(REGENCY)	479
692-2(SYL)	312
693-1(SYL-IC)	848§
693EP	123A
693FS	123A
693G	123A
693GT	123A
693GV	199
694-1(RCA)	222
694D	123A
694E	123A
695-1(REGENCY)	350
695-3(REGENCY)	351
695-5(REGENCY)	349
695-11(REGENCY)	345
695P2(GE)	339
696-1(REGENCY)	479
696-1A	479
696-3(REGENCY)	479
696-3(SYL)	152
696-4(GN)	473
696-4(REGENCY)	473
696-5	346
696-5(REGENCY)	346
696-6(REGENCY)	346
696-7	486
696-7(REGENCY)	486
696-8	341
696-8(REGENCY)	341
698-3(REGENCY)	365
698-4(REGENCY)	367
699	123A
699(Zenith)	159
700-04	312
700-110	128
700-113	130
700-133	159
700-134	123AP
700-135	123AP
700-136	129
700-137	116
700-154	85
700-155	199
700-156	123AP
700-157	289A
700-159	139A
700-244	384
700-321	177
700-325	85
700-848A	908
700A858-285	116
700A858-286	116
700A-858-318	199
700A858-318	123A
700A858-319	199
700A858-322	177
700A-858-328	199
700A858-328	123A
700PK50	5598
700PK60	5598
700PK80	5599
700PK100	5599
700PK120	5599
702-0002	107
702-0140	542
702-0148	542
702-810	113A
703-1	128
703-2	128
703 056(4)	123A
703B	128
703HC	703
703PJA60	6113
703PJA80	6115
703PJA100	6115
703PJA120	6115
704-1(NAP-IC)	1917
705-1(SYL-IC)	4011B
705-600007	5633
706-1(SYL)	331
706Bc	OBS-NLA
706BC	OBS-NLA
706BPC	OBS-NLA
706BPc	OBS-NLA
707	241
707-1(SYL)	332
707W00004	109
707W00044	116
707W00048	5651
707W00057	123A
707W00070	123A
707W00071	140A
707W00073	5401
707W00079	159
707W00080	159
707W00081	123A
707W00083	123A
707W00084	6402§
707W00086	5009A
707W00087	5014A
707W00090	184
707W00091	157
707W00093	152
707W00104	5004A
707W00107	5007A
707W00109	5009A
707W00110	5010A
707W00114	5014A
707W00116	5016A
707W00119	5019A
707W00155	5066A
707W00159	5069A
707W00160	135A
707W00161	136A
707W00163	137A
707W00168	139A
707W00169	140A
707W00170	5074A
707W00177	5077A
707W00179	5079A
707W00183	146A
707W00201	123A
707W00204	154
707W00205	5011A
707W00207	5103A
707W00215	116
707W00218	172A
707W00222	159
707W00227	5453
707W00243	5454
707W00244	5454
707W00255	116
707W00259	116
707W00265	177
707W00266	159
707W00270	162
707W00272	194
707W00273	519
707W00274	5801
707W00317	159
707W00322	5454
707W00345	5402
707W00347	109
707W00380	184
707W00401	5071A
707W00402	5133A
707W00404	5081A
707W00405	5077A
707W00410	5129A
707W00411	137A
707W00412	5090A
707W00413	5096A
707W00414	5157A
707W00415	5158A
707W00416	5122A
707W00521	189
707W00550	123A
707W00590	137A
707W00640	116
707W00641	116
707W00642	116
707W00643	116
707W00644	116
707W00645	125
707W00646	125
707W17701	365
707Y(Korea)	159
708-1(SYL)	284
709-2(REGENCY)	350F
709-3(REGENCY)	320F
709-4(REGENCY)	333
709CJ	909D
709CL	909
709CN	909D
709DC	909D
709HC	909
709PC	909D
710	116
710CE	910
710CJ	910D
710CL	910
710CN	910D
710DC	910D
710HC	910
710PC	910D
711-001	390
711CE	911
711CJ	911D§
711CL	911
711CN	911D§
711DC	911D§
711HC	911
711PC	911D§
713-1(NAP-IC)	891M
713-2(NAP-IC)	891M
714-22826-19	5198AK
714-25566-61	123A
715EN	123A
715FB	107
715HC	915
716-1(NAPIC)	1845
716HC	716§
719-1(RCA)	2040§
720-2N1302	101
720-2N1305	102
720-2N1371	102
720-2N1637	126A
720-2N2147	121
720-2N2895	128
720-2N2923	199
720-2N3440	396
720-2N3645	129
720-2N3904	123AP
720-2N3906	159
720-2N4221	102A
720-4-01	330
720-4-02	330
720-10	130MP
720-18	159
720-19	175
720-21	312
720-23	284
720-24	242
720-27	188
720-30	199
720-31	130
720-32	152
720-33	152
720-35	159
720-37	128
720-41	326
720-44	6401
720-46	289A
720-47	123A
720-48	159
720-49	199
720-50	159
720-51	123A
720-52	292
720-61	186
720-62	187
720-64	129
720-69	172A
720-70	6401
720-71	183§
720-74	157
720-35019	102
720-35019A	102A
720Dc	744
720PC	744
720SDC	744
720SPC	744
723-09	6402§
723C(IC)	923D
723DC	923D
723HC	923
723HM	923D
723PC	923D
724C(Trans)	289A
724D(Trans)	289A
725-008	726
725EHC	925
725HC	925
729-3	128
729DC	720
729PC	720
731-512AA	2054
732-1(SYL-IC)	960
732DC	718
732PC	718
733-0100-699	187
733-1(RAM)	2102
733-1(RCA)	4011B
733-1(SYL)	159
733-2(REGENCY)	345
733-2(RF PWR)	351
733-4(REGENCY)	345
733AR(Trans)	290A
733DC	927D
733HC	927
733PC	927D
733W00005	9109§
733W00021	941M
733W00022	74141
733W00024	9930
733W00025	9932
733W00026	9933
733W00027	9936
733W00028	9946
733W00029	9962
733W00030	9093
733W00032	9112§
733W00035	941D
733W00039	7490
733W00042	7400
733W00043	7420
733W00045	7407
733W00047	9094
733W00048	9937
733W00049	9949
733W00050	9963
733W00051	9961
733W00053	7442
733W00059	309K
733W00060	9937
733W00061	9935
733W00064	7404
733W00065	7410
733W00066	7437
733W00067	7474
733W00068	7486
733W00069	7476§
733W00070	9808
733W00074	8316
733W00076	74193
733W00091	9806
733W00094	9157
733W00097	9157
733W00103	74107
733W00107	8314
733W00108	9807
733W00109	74161
733W00121	7411
733W00124	7408
733W00126	7432
733W00127	7438
733W00128	7426
733W00132	7482
733W00133	7493A
733W00134	74121
733W00135	74164
733W00137	923D
733W00139	955M
733W00163	74151
733W00183	74150
733W00191	74155
733W00211	4011B
733W00215	4015B
733W00317	74H74
733W00320	74H11
733W00323	74153
733W00332	74H51
733W00333	74H40
733W00347	8374
733W00350	74182
733W01628	2014
734-1(RCA)	4013B
734-1(SYL-IC)	1413
734EU	312
735-1(SYL)	121
735-1(SYL-Zener)	5134A
735-2(SYL-Zener)	5130A
735-3(SYL-Zener)	5116A
735-4(SYL-Zener)	5127A
735-5(SYL-Zener)	5116A
735-7(SYL-Zener)	5135A
735-9(SYL-Zener)	5116A
735-10(SYL-Zener)	5127A
735-339	581
737(ZENITH)	123A
738-1(SYL)	280
739-1	121MP
739-1(NAP-IC)	778A
739-1(SYL)	121MP
739DC	725
739H01	123A
739PC	725
740-1003-150	1021
740-2001-110	1014
740-2001-306	1029
740-2001-307	722
740-2002-111	708
740-2003-150	1021
740-2007-120	1087
740-5853-300	1005
740-5903-301	1006
740-8120-160	1005
740-8160-190	1003
740-9000-017	1047
740-9000-544	1142
740-9000-554	1142
740-9000-566	1052
740-9003-301	1006
740-9007-046	1108
740-9007-205	1155
740-9011-322	1037
740-9016-105	720
740-9017-092	1023
740-9037-120	1087
740-9037-204	1153§
740-9607-205	1155
740HC	940§
741-1	121MP
741-1(SYL)	121MP
741-2(SYL)	121MP
741(VISCOUNT)	941
741C(IC)	941M
741CJ	941D
741CN	941D
741CP	941M
741DC	941D
741HC	941
741PC	941D
741TC	941M
742	109
742-1	188
742-1(METAL)(SYL)	401/128
742-1(Plastic)(SYL)	188
742(TRANSISTOR)	107
742C2030-020	130
744-1(SYL)	108
745-0004	3051
745-0006	3050
745-0014	3061
745-0016	3056
745-293-2	593
745-295-2	592
745-1042-1	2410
745-1124-1	2411
745-1170	2341
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903-43B	109
903-45B	109
903-47	612
903-47B	612
903-48B	177
903-49B	116
903-51	109
903-51B	109
903-52B	116
903-54B	109
903-58B	177
903-65	110A
903-65B	109
903-67B	614
903-68B	506
903-69B	116
903-72B	177
903-73B	5022A
903-79B	116
903-82B	177
903-83B	109
903-84B	177
903-92B	109
903-95B	177
903-96B	614
903-97B	142A
903-99	610
903-99B	614
903-100B	177
903-103B	109
903-104B	116
903-105B	116
903-108	109
903-108B	109
903-110B	611
903-112B	177
903-113B	109
903-114B	109
903-115B	109
903-116B	177
903-117B	116
903-118	177
903-118B	177
903-119B	139A
903-120B	136A
903-121	177
903-121B	177
903-136B	177
903-137	610
903-137B	614
903-141B	614
903-153B	601
903-154B	116
903-156B	116
903-164B	116
903-166B	5071A
903-167B	110MP
903-168B	109
903-169B	116
903-171B	614
903-172B	612
903-173B	109
903-177B	177
903-178	177
903-179	139A
903-180	5071A
903-197	116
903-199	116(2)
903-208	5304
903-212	109
903-301	613
903-303	552
903-311	177
903-330	116
903-332	177
903-333	136A
903-334	156
903-335	5071A
903-337	140A
903-339	519
903-341	109
903-344	5081A
903-347	116
903-348	156
903-349	109
903-350	109
903-355	109
903-356	156
903-357	5023A
903-364	142A
903-384	519
903-397	177
903-407	109
903-410	519
903-412	156
903-415	109
903-420	143A
903-426	116
903-427	143A
903-435	110MP
903-436	519
903-438	116
903-439	519
903-442	519
903-443	5015A
903-448	5013A
903-449	5020A
903-450	116
903-451	156
903-453	5014A
903-456	5022A
903-457	116
903-458	5023A
903-463	177
903-479	5022A
903-480	5007A
903-481	5010A
903-483	615A
903-486	519
903-487	5015A
903-493	610
903-497	5009A
903-498	5012A
903-499	5018A
903-507	109
903-508	177
903-509	5018A
903-510	558
903-511	5100A
903-512	558
903-513	5010A
903-515	110MP
903-517	116(2)
903-518	519
903-528	519
903-556	109
903-557	519
903-558	613
903-559	5070A
903-560	5070A
903-561	5800
903-562	116
903-734	519
903-830	116
903-864	519
903-885	615A
903-970	5312
903-976	519
903-977	586
903-1017	591
903-1022	5010T1
903-1071	5019T1
903-1206	5010T1
903-1207	5010T1
903-1209	5019T1
903-1718	614
903HC	9903
903Y00212	5809
903Y00228	139A
903Y002149	123A
903Y002150	199
903Y002151	187
903Y002152	186
904-95	123A
904-95A	123A
904-95B	199
904-96B	123A
904-97B	109
904HC	9904
905-00066	2060
905-00101	1582§
905-00107	1601
905-00108	1599
905-00114	1598
905-00115	1590
905-00116	1588
905-00124	1603
905-00135	1226
905-00143	788
905-00155	1214
905-00160	743
905-00161	2060
905-00651	1787
905-00672	1714S
905-00744	2361
905-00750	1869
905-00904	1810
905-01064	1787
905-01127	1873
905-01192	1809
905-01224	1823*
905-01482	1884§
905-01559	1860
905-01560	1859
905-01621	1805
905-01859	7042
905-01952	1823
905-1(SYL-Diode)	615A
905-5	1024
905-13B	1054
905-24B	722
905-27	804
905-28	804
905-30B	1003
905-38B	722
905-39B	1075A
905-46B	722
905-60	1003
905-61	1115

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
905-63	743
905-102	7490
905-103	1586
905-105	1004
905-106	1308
905-111	1592
905-112	1584
905-120	788
905-121	1217
905-125	4001B
905-126	4011B
905-128	2001
905-131	2004
905-135	801
905-139	1219
905-141	801
905-143	788
905-144	1219
905-168	1226
905-178	1214
905-186	4013B
905-189	1306
905-190	615A
905-191	1004
905-198	1581
905-200	4027B
905-201	1087
905-204	2060
905-210	2060
905-217	1409
905-218	4029B
905-219	977
905-220	4081B
905-221	2079
905-223	1308
905-225	788
905-229	2003
905-233	74C04
905-234	1308
905-238	929
905-239	937M
905-241	4528B
905-242	966
905-243	853
905-244	1115A
905-255	778A
905-256	955S
905-260	4069
905-262	4520B
905-267	977
905-268	4081B
905-298	1294
905-301	2060
905-352	1714S
905-427	1729
905-572	1705
905-651	1787
905-658	928M
905-659	943M
905-662	4013B
905-672	1714S
905-717	4013B
905-904	1810
905-922	943M
905-940	7015
905-1058	1744
905-1064	1787
905-1085	943M
905-1106	4001B
905-1126	4066B
905-1192	1809
905-1224	1823*
905-1227	987
905-1238	928M
905-1239	4013B
905-1559	1860
905-1560	1859
905-1665	7074
905-2013	1716
905HC	9905
906HC	9906
907HC	9907
908D1	109
908HC	9908
909-27125-140	123A
909-27125-160	107
909(RCA)	107
909HC	9909
910HC	9910§
910X1	158
910X2	158
910X3	102A
910X4	102A
910X5	102A
910X6	102A
910X7	158
910X8	158
910X9	158
910X10	158
911-000-1-00	1036
911-000-3-02	1055
911HC	9911
912-1A6A	123A
912HC	9912
913HC	9913
914-000-2-00	177
914-000-4-00	109
914-000-6-00	177
914-000-7-00	612
914-001-1-00	177
914-001-7-00	110MP
914(Diode)	519
914A-1-6-5	121
914F298-1	128
914HC	9914
915HC	9915
916-1(SYL)	123A
916-31001-1	102A
916-31001-1B	102A
916-31001-7B	102A
916-31003-5B	102A
916-31007-5	102A
916-31007-5B	102A
916-31012-6	102A
916-31012-6B	102A
916-31019-3	126A
916-31019-3B	126A
916-31024-3	123A
916-31024-3B	107
916-31024-5	107
916-31024-5B	108
916-31025-4	161
916-31025-4B	161
916-31025-5	123A
916-31025-5B	107
916-31026-8B	123A
916-31026-9B	102A
916-32000-7	109
916-32003-2	109
916-32006-2	109
916-33003-2	116(4)
917-2(SYL)	552
917-1201-0	1003
918-1(SYL)	130
919-001172	177
919-001172-1	177
919-00-1445	136A
919-001445	137A
919-00-1445-002	142A
919-00-1445-1	138A
919-001445-1	137A
919-001445-2	142A
919-00-1445-2	142A
919-001445-3	5084A
919-001449	5802
919-001449-1	5802
919-00-1449-1	156
919-001449-3	5802
919-002240	5802
919-002240-1	5802
919-002440	156
919-002440-1	156
919-00-2440-1	116
919-002440-2	5804
919-00-2440-2	116
919-003309	5079A
919-00-3309-1	5079A
919-003309-1	5077A
919-003309-2	142A
919-00-3309-2	5127A
919-003309-3	5075A
919-00-3309-3	5131A
919-003309-4	138A
919-003309-5	5080A
919-00-4326	177
919-004326	177
919-004799	116
919-00-4799	177
919-004799-050	177
919-00-5045	5809
919-005045	5802
919-007109	116
919-00-7109	5809
919-007109RA	116
919-007394	116
919-00-7394	177
919-00-7766	116
919-00-7776	116
919-007776	5801
919-007776RA	5809
919-008862	5802
919-009459RA	116
919-00-9929	177
919-01-0459	116
919-01-0623	116
919-01-0829	5809
919-01-0829-1	5809
919-01-0867	109
919-01-0873	177
919-01-1172-1	177
919-01-1211	116
919-01-1212	116
919-01-1213	139A
919-01-1214	5072A
919-01-1215	177
919-01-1307	177
919-01-1339	5809
919-01-1340	5127A
919-01-3035	139A
919-01-3058	135A
919-01-3072	177
919-010454	519(2)
919-010454-1	519(3)
919-010454-2	519(4)
919-010459	5802
919-010623	5802
919-010623-001	5802
919-010623-002	5802
919-010829	5801
919-010829-1	5802
919-010867	109
919-010873	177
919-010873-050	519
919-011210	5962
919-011211	5801
919-011212	116
919-011213	5185A
919-011214	5189A
919-011215	177
919-011307	177
919-011339	156
919-011340	5188A
919-012414	116
919-013035	5185A
919-013036	5801
919-013044	116
919-013053	177
919-013058	142A
919-013059	177
919-013060	177
919-013061	156
919-013067	177
919-013072	116
919-013079	156
919-013081	177
919-013082	177
919-013172	177
919-013597	5189A
919-013677	116
919-013732	142A
919-013979	116(4)
919-015618-1	5079A
919-015618-2	5080A
919-017406-001	5122A
919-017406-002	5120A
919-017406-003	5133A
919-017406-004	5137A
919-017406-005	5125A
919-017406-006	5128A
919-017406-007	5127A
919-017406-008	5131A
919-017406-009	5129A
919-017406-010	5135A
919-017406-011	5136A
919-017406-012	5139A
919-017406-013	5130A
919-017406-014	5126A
919-017406-015	5117A
919-017406-016	5114A
919-017406-017	5123A
919-017406-018	5111A
919-017406-019	5112A
919-017406-020	5113A
919-017406-021	5115A
919-017406-022	5116A
919-017406-023	5118A
919-017406-024	5119A
919-017406-025	5121A
919-017406-026	5124A
919-017406-027	5132A
919-017406-028	5134A
919-017406-029	5138A
919-017406-030	5140A
919-017406-031	5142A
919-017406-032	5143A
919-017406-033	5144A
919-017406-034	5145A
919-017406-035	5146A
919-017406-036	5147A
919-017406-037	5148A
919-017406-038	5149A
919-017406-040	5151A
919-017406-041	5152A
919-017406-042	5153A
919-017406-043	5154A
919-017406-044	5155A
919-017406-045	5156A
919-017406-046	5157A
919-017406-047	5158A
919-017406-048	5159A
919-017406-049	5160A
919-017406-050	5161A
919-017406-051	5162A
919-017406-052	5163A
919-017406-053	5164A
919-017406-054	5165A
919-017406-055	5166A
919-017406-056	5133A
919-017406-057	5125A
919-017406-058	5116A
919-017406-059	5115A
919-017406-060	5130A
919-017406-061	5137A
919-017406-062	5136A
919-017406-063	5126A
919-017406-064	5128A
919-017406-065	5129A
919-017406-066	5115A
919-017406-067	5117A
919-017406-069	5113A
919-024117	177
919-024760	177
919-024769	177
919-72-2	5642
919-917406-039	5150A
920-029847-000	8212
921-00143	159
921-00178	159
921-00379	229
921-00403	172A
921-00449	123AP
921-00450	123AP
921-00452	232
921-00453	159
921-00462	123AP
921-00472	123AP
921-00473	123AP
921-01059	108
921-01060	123AP
921-01062	123AP
921-01063	123AP
921-01065	152
921-01081	123AP
921-01082	123AP
921-01101	153
921-01102	159
921-01103	85
921-01104	159
921-01105	123AP
921-01106	289A
921-01107	290A
921-01108	222
921-01109	159
921-01111	123AP
921-01112	280
921-01113	281
921-01114	382
921-01115	383
921-01122(CBE)	123AP
921-01123(CBE)	123AP
921-01124(CBE)	123AP
921-01125(CBE)	294
921-01127	123AP
921-01128	232
921-01129	172A
921-01141	123AP
921-01142	123AP
921-01144	123AP
921-01145	159
921-01146	123AP
921-01167	85
921-01168	85
921-01176	234
921-01177	123AP
921-01179	123AP
921-01187	123AP
921-01536	2358◆
921-01537	2357◆
921-01550	2355◆
921-01568	2356◆
921-01577	2359◆
921-01582	2357
921-01613	2360◆
921-01633	2416
921-01653	2418
921-01654	2417
921-01678	2419
921-01681	2361
921-01689	2360
921-01693	2356
921-01697	2357◆
921-01700	2359◆
921-01703	2358◆
921-01722	2417
921-01728	2359
921-01739	2359
921-01744	2360
921-01745	2358
921-01772	2360◆
921-01799	2357
921-01801	2358
921-01807	2358
921-01838	2359
921-01870	2361
921-01880	2355
921-01892	2361
921-01996	2361
921-01997	2361
921-02046	2361
921-02050	3098
921-02051	3098
921-011000	152
921-1A	160
921-1B	160
921-2A	160
921-2B	160
921-3A	160
921-3B	160
921-4A	160
921-4B	126A
921-5A	103A
921-5B	103A
921-6A	103A
921-6B	103A
921-7	123A
921-7B	103A
921-8	123A
921-9B	160
921-10B	160
921-11B	160
921-12B	160
921-13B	160
921-14B	102A
921-15B	160
921-16B	160
921-17B	160
921-20	108
921-20A	108
921-20B	108
921-20BK	123A
921-21	108
921-21A	108
921-21B	108
921-21BK	108
921-22	108
921-22A	108
921-22B	108
921-22BG	123A
921-22BK	123A
921-23	108
921-23A	108
921-23B	108
921-23BK	123A
921-24B	102A
921-25B	160
921-26	123A
921-26A	123A
921-26B	160
921-27	102A
921-27A	102A
921-27B	123A
921-28	123A
921-28A	123A
921-28B	123A
921-28BLU	123A
921-29B	159
921-30	108
921-30A	108
921-30B	108
921-31	108
921-31A	108
921-31B	108
921-32	108
921-32A	108
921-32B	108
921-33	108
921-33B	108
921-34	108
921-34A	108
921-34B	108
921-35	102A
921-35A	102A
921-35B	102A
921-36B	102A
921-37B	102A
921-38	102A
921-38A	102A
921-38B	102A
921-39	102A
921-39A	102A
921-39B	102A
921-40	102A
921-40A	102A
921-40B	102A
921-41B	102A
921-43B	123A
921-44B	158
921-45	102A
921-45A	102A
921-45B	102A
921-46	123A
921-46A	123A
921-46B	103A
921-46BK	123A
921-47	123A
921-47A	123A
921-47B	129
921-47BL	123A
921-48B	123A
921-49B	123A
921-50B	123A
921-51B	102A
921-52B	102A
921-53B	158
921-54B	103A
921-55B	161
921-56B	161
921-57B	161
921-58B	161
921-59B	107
921-60B	128
921-61B	124
921-62	107
921-62A	107
921-62B	107
921-63	107
921-63A	107
921-63B	107
921-64	107
921-64A	107
921-64B	107
921-64C	107
921-65	126A
921-65A	126A
921-65B	126A
921-66	126A
921-66A	126A
921-66B	126A
921-67	102A
921-67A	102A
921-67B	102A
921-68	102A
921-68A	102A
921-68B	102A
921-69	158
921-69A	158
921-69B	158
921-70	159
921-70A	159
921-70B	159
921-71	103A
921-71A	103A
921-71B	103A
921-72B	108
921-73B	123A
921-75	123AP
921-77B	123A
921-84	107
921-84A	107
921-84B	107
921-85	107
921-85A	107
921-85B	107
921-86	107
921-86A	107
921-86B	107
921-88	124
921-88A	124
921-88B	124
921-92B	199
921-93B	123A
921-97B	108
921-98B	108
921-99B	123A
921-100B	102A
921-102	107
921-102A	107
921-102B	107
921-103B	106
921-105B	158
921-106B	199
921-109B	123A
921-110B	129
921-111B	199
921-112B	106
921-114	229
921-114B	199
921-115	229
921-115B	199
921-116	229
921-116B	199
921-117B	123A
921-118B	158
921-119	107
921-119B	108
921-120B	123A
921-123B	123A
921-124B	123A
921-125B	123A
921-126B	312
921-127B	199
921-128B	123A
921-129B	108
921-133	199
921-133B	199
921-140B	158
921-141B	107
921-142B	107
921-143B	107
921-145B	107
921-147B	102A
921-148B	102A
921-150B	102A
921-152B	199
921-153B	102A
921-154B	199
921-155B	199
921-156B	124
921-157B	220
921-158B	108
921-159B	123A
921-160B	159
921-161B	123A
921-163B	186
921-170B	108
921-171B	108
921-172B	108
921-173B	108
921-174B	108
921-176B	107
921-177B	107
921-178B	123A
921-181B	229
921-182B	129
921-188B	128
921-189B	123A
921-191B	123A
921-195B	123A
921-196	199
921-196B	199
921-197B	159
921-198BX	185MCP
921-200B	123A
921-202	85
921-202B	199
921-203B	312
921-204B	107
921-205B	199
921-206	199
921-206B	199
921-207	199
921-207B	199
921-208B	199
921-209B	199
921-210B	107
921-211B	107
921-212B	108
921-213B	107
921-214B	123A
921-215B	123A
921-216B	102A
921-217B	102A
921-222B	102A
921-223B	102A
921-224B	158
921-225B	123A
921-226B	107
921-227B	158
921-228B	123A
921-229B	123A
921-230B	192§
921-231B	312
921-232B	107
921-233B	107
921-234B	123A
921-235B	107
921-236B	128
921-237B	123A
921-238B	102A
921-239B	199
921-240B	199
921-241B	128
921-242B	158
921-243B	158
921-244B	158
921-246	123AP
921-252B	123A
921-254B	159
921-255B	123A
921-256X	158
921-257B	199
921-258B	199
921-264B	108
921-265	108
921-265B	108
921-266	108
921-266B	108
921-267	108
921-267B	108
921-268B	123A
921-269B	123A
921-270B	129
921-272B	123A
921-273B	102A
921-274B	102A
921-275	85
921-275B	289A
921-275R	123A
921-276B	289A
921-281B	199
921-282B	158
921-291	123AP
921-291B	123AP
921-292	159
921-292B	294
921-296B	159
921-301	229
921-301B	229
921-303B	123AP
921-304B	123AP
921-305B	123A
921-306B	123AP
921-307	123AP
921-307B	123AP
921-308	159
921-308B	159
921-309	123AP
921-309B	123AP
921-312B	229
921-313B	108
921-314	123AP
921-314B	123A
921-315B	129
921-318B	102A
921-319B	102A
921-320B	229
921-321	123AP
921-321B	123AP
921-322B	123AP
921-323B	159
921-325B	108
921-326B	107
921-327B	158
921-332B	159
921-333B	106
921-333P	106
921-334B	108
921-335B	108
921-336B	108
921-337B	128
921-338B	108
921-339B	123AP
921-342B	177
921-345	123AP
921-345B	123A
921-346	288
921-347	287
921-348	288
921-348B	159
921-349	123AP
921-349B	229
921-350B	229
921-351	123AP
921-351B	123AP
921-352B	123AP
921-353	123AP
921-353B	123AP
921-354	123AP
921-354B	123AP
921-355	123AP
921-355B	123AP
921-357B	299§
921-360	123AP
921-360B	123AP
921-361B	100
921-362B	229
921-369	123A
921-378	297
921-379	229
921-382	261
921-383	262
921-389	287 + 288(CP)
921-403	172A
921-404	232
921-405	159
921-406	123AP
921-407	123AP
921-408	123AP
921-410	298 + 297(CP)
921-411	238
921-412	287 + 288(CP)
921-428	108
921-429	291
921-430	292
921-431	152
921-432	153
921-433	153
921-434	152
921-449	123AP
921-450	123AP
921-452	232
921-462	123AP
921-463	123AP
921-464	123AP
921-467	291
921-470	123AP
921-1007	159
921-1008	315
921-1009	152
921-1010	315
921-1011	130
921-1013	289A
921-1014	229
921-1015	123AP
921-1016	290A
921-1017	289A
921-1018	83§
921-1020	190
921-1021	211
921-1022	289A
921-1028	85
921-1041	107
921-1042	107
921-1045	123AP
921-1047	152
921-1048	123AP
921-1049	123AP
921-1050	85
921-1051	123AP
921-1053	199
921-1054	196
921-1055	199
921-1056	90
921-1057	85
921-1059	108
921-1060	123AP
921-1061	108
921-1062	123AP
921-1063	123AP
921-1064	123AP
921-1065	123AP
921-1066	123AP
921-1067	312
921-1068	107
921-1069	85
921-1070	290A
921-1071	85
921-1072	85
921-1073	85
921-1074	199
921-1075	85
921-1076	152
921-1077	85
921-1078	85
921-1103	123AP
921-1134	159
921-1142	123AP
921-1143	159
921-1144	299§
921-1150	312
921-1151	107
921-1152	85
921-1159	222
921-1160	107
921-1161	108
921-1169	152
921-1170	289A
921-1171	290A
921-1172	85
921-1173	222
921-1174	85
921-1175	123AP
921-1180	290A
921-1181	123AP
921-1182	289A
921-1183	199
921-1184	199
921-1185	85
921-1193	159
921-1194	159
921-1195	123AP
921-1196	123AP
921-1197	159
921-1198	123AP
921-1200	234
921-1202	293
921-1203	306
921-1204	289A
921-1205(SGD)	451
921-1206(DSG)	451◆
921-1207	290A
921-1209	289A
921-1213	159
921-1214	159
921-1226	289A
921-1244	229

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
921-1246	123AP
921-1252	85
921-1253	290A
921-1254	85
921-1262	159
921-1263	123AP
921-1264	123AP
921-1265	293
921-1266	152
921-1274	123AP
921-1275	123AP
921-1276	123AP
921-1284	194
921-1285	312
921-1286	229
921-1287	85
921-1288	184
921-1290	188
921-1291	290A
921-1292	85
921-1293	108
921-1295	123AP
921-1300	290A◆
921-1310	293
921-1312	293
921-1313	290A◆
921-1314	85
921-1325	85
921-1326	2362
921-1327	382
921-1335	108
921-1336	108
921-1337	108
921-1338	123AP
921-1339	123AP
921-1340	159
921-1341	159
921-1528	107
921-1536	2358◆
921-1537	2357◆
921-1550	2355◆
921-1560	19
921-1568	2356◆
921-1577	2359◆
921-1582	2357
921-1587	2362
921-1596	2362
921-1613	2360◆
921-1633	2416
921-1653	2418
921-1654	2417
921-1678	2419
921-1689	2360
921-1693	2356
921-1697	2357◆
921-1700	2359◆
921-1703	2358◆
921-1719	2428
921-1722	2417
921-1728	2359
921-1739	2359
921-1744	2360
921-1745	2358
921-1772	2360◆
921-1799	2357
921-1801	2358
921-1807	2358
921-1823	2367
921-1838	2359
921-1867	290A
921-1870	2361
921-1871	2361
921-1872	2362
921-1873	2362
921-1874	85
921-1875	2359
921-1876	2358
921-1877	2362
921-1878	2362
921-1880	2355
921-1883	2361
921-1886	294
921-1887	2362
921-1888	2361
921-1890	25
921-1891	2362
921-1892	2361
921-1893	289A
921-1896	55
921-1897	85
921-1928	2368
921-1935	85
921-2048	2362
921-2049	2362
921-2123	2370
921-3558	123AP
921HC	9921
922-1(NAP-IC)	858SM
923-0208-007	552
923-0371-035	116
923-0371-040	139A
923-0371-041	614
923-1(RCA)	320
923-2(RCA)	320
923-3(RCA)	320
923-4(RCA)	320
923HC	OBS-NLA
924-1(Large case)(SYL)	5452
924-1(SYL)	233
924-1(SYL-SCR)	5400
924-2(SYL-SCR)	5401
924-3(SYL-SCR)	5400
924-4(SYL-SCR)	5400
924-5(SYL-SCR)	5400
924-6(SYL-SCR)	5404
924-7(SYL-SCR)	5404
924-8(SYL-SCR)	5400
924-2209	172A
924-16598	102A
924-17945	121
926-00576	15005
926-00578	15006
926C193-1	123A
926C193-2	123A
926C193-P1M4165	123A
926C206P1	519
926HC	9926
927-1(SYL)	123A
927-1A(SYL)	128
927HC	9927
929(O)	199
929C	199
929CA	199
929CU	199
929D(JVC)	199
929DX	199
930-27B	109
930(OV)	199
930B	199
930C	199
930C613-P1	909
930C(Wards)	199
930D	199
930D(Wards)	199
930DC	9930
930DU	199
930DX	199
930DZ	107
930E	199
930E(JVC)	199
930E(Wards)	199
930EX	199
930PC	9930
930X1	123A
930X2	123A
930X3	123A
930X4	108
930X5	108
930X6	126A
930X7	102A
930X8	102A
930X9	102A
930X10	102A
931	177
931DC	9931
931PC	9931
932DC	9932
932PC	9932
933-032-8100	166
933-2(SYL)	504
933DC	9933
933PC	9933
935-1	123A
935DC	9935
935PC	9935
936-00141	15005
936-00142	15007
936-00143	15020
936-00144	15006
936-00149	15005
936-00154	15008
936-00173	15019
936-00186	15022
936-00189	15021
936-10	116
936-20	116
936 NPN	184
936DC	9936
936PC	9936
936PNP	185
937DC	9937
937LNR(TRANS)	234◆
937LNS(TRANS)	234◆
937PC	9937
938-3	283
939-12	177
940-1(SYL)	159
941-026-0001	177
941DC	9941
941PC	9941
941T1	176
942-002	OBS-NLA
942H2	1195
943-086	519
943-087	519
943-087-1	519
943-105-001	519
943-721-001	159
943-728-001	128
943-742-002	199
944-0725-011	816§
944-1(SYL)	100
944-2(SYL)	100
944DC	9944
944PC	9944
945	6400B
945DC	9945
945PC	9945
946-1(SYL)	160
946-2(SYL)	160
946DC	9946
946PC	9946
947-1	123AP
947-1(SYL)	123AP
947-1(Sylvania)	108
948-1(SYL)	160
948-2(SYL)	160
948-10300	5547
948DC	9948
948PC	9948
949-1(SYL)	108
949DC	9949
949PC	9949
950-1(SYL)	108
950DC	9950
950PC	9950
951-1(SYL)	126A
951-1(Sylvania)	126A
951-2(SYL)	126A
951DC	9951
951PC	9951
952-2	287
953-1(SYL)	198
955-1	160
955-1(SYL)	519
955-2	160
955-3	160
956-1(SYL)	580
957-7656-0	5400
958-023	159
959-1(SYL)	5400
961DC	9961
961PC	9961
962-1(SYL-Diode)	109
962DC	9962
962PC	9962
963DC	9963
963PC	9963
964-1(RCA)	350
964-2(RCA)	350
964-3(RCA)	350
964-4(RCA)	350
964-2073B	123A
964-2209	172A
964-16598	126A
964-16599	104
964-17142	102
964-17443	116
964-17444	123A
964-17887	104
964-17945	121
964-19862	103A + 102A(CP)
964-19862A	102A
964-19863	102A
964-19864	102A
964-19865	116
964-20738	123A
964-20739	129
964-21866	116
964-22008	129
964-22009	172A
964-22158	128
964-24387	128
964-24584	123A
964-25046	128
964-27986	210
964-174443	116
965-1A6-5	160
965-2A6-1	103A
965-4A6-2	101
965A16-3	160
965B16-2	126A
965C-16-4	121
965T1	102
966-02	291
966-1A6-3	102A
966-2A6-4	102A
966-3A6C	102A
970-1	159
970-1(SYL)	159
971-B6	282§
972-0187-2	103A
972-659E-0	159
972-5360-0	199
972-6680-0	199
972-6680-1	199
972-8187-2	103A + 102A(CP)
972-9300-0	229
972D7	116
972X1	160
972X2	160
972X3	160
972X4	160
972X5	160
972X6	126A
972X7	126A
972X8	126A
972X9	102A
972X10	102A
972X11	102A
972X12	102A
974-1(SYL)	157
974-1(SYLVANIA)	157
974-2(SYLVANIA)	157
974-3	157
974-3A6-3	157
974-4(SYLVANIA)	157
974HC	9974§
975-1	454§
975-1(RCA)	454§
975(Zenith)	123AP
976-0036-921	177
976-0720-002	287
976-0720-052	288
976-0720-067	287
976-0720-110	396
976-0720-117	454§
976-0720-126	350
977-1	177
977-1(RCA)	177
977-2B	116
977-3B	125
977-4B	166
977-6B	166
977-8B	116
977-10B	116
977-11B	116
977-13B	116
977-14B	113A
977-18B	116
977-19	116
977-19B	116
977-20B	116
977-22B	116
977-23B	116
977-24B	166
977-25B	116
977-27B	116
977-28B	116
977-31	521
977-32	521
977-33	521
977-34	523/3306
977-34-01	523/3306
977-35	523/3306
977-35-02	526A
977-35-03	526A
977-36	526A
977-37	526A
977-38	522
977-40	530
977-41	528
977-42	528
977-43	559
977-45	561
977-47	560
977-48	560
977-52	521
977-75(SYL-IC)	1568
977-218	166
977-64197	197
977A1-6-1	105
977B1-6-2	121MP
977C1-6-3	121MP
977-Z9500A	500A
977-Z9501B	501B
977-Z9521	521
977-Z9522	522
977-Z9523	523/3306
977-Z9526A	526A
977-Z9528	528
977-Z9529	529
977-Z9530	530
977-Z9531	531
977-Z9532	532
977-Z9533	533
977-Z9534	534
977-Z9535	535
977-Z9536	536A
977-Z9536A	536A
977-Z9537	537
977-Z9538	538
977-Z9539	539
977-Z9549	549
977-Z9550	550
977-Z9554	554§
978-1923	129
979-1(RCA)	161
979-2	108
979-2(RCA)	108
984A-1-6B	121
985-50	9401
986(Zenith)	159
986M(Zenith)	159
987T1	102
988T1	102
989T1	102
990T1	102
991-00-1172	177
991-00-1172-1	177
991-00-1219	123A
991-00-1221	102A
991-00-1222	102A
991-00-1449	5809
991-00-1449-1	5809
991-00-2232	123A
991-002232	289A
991-00-2248	123A
991-002298	199
991-00-2298	123A
991-002356	199
991-00-2356	123A
991-00-2356/K	123A
991-00-2440	5809
991-00-2440-1	5809
991-00-2440-2	5809
991-002873	199
991-00-2873	123A
991-002888	194
991-00-2888	128
991-003144	192A§
991-00-3144	123A
991-00-3304	123A
991-003304	289A
991-00-7776	116
991-008393	289A
991-00-8393	123A
991-00-8393A	123A
991-00-8393M	123A
991-008394	289A
991-00-8394	123A
991-008394A	289A
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991-00-8394AH	123A
991-00-8395	123A
991-01-0098	159
991-01-0099	121
991-01-0461	172A
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991-01-1216	121
991-01-1217	158
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991-01-1221	102A
991-01-1222	102A
991-01-1223	102A
991-01-1224	102A
991-01-1225	159
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991-01-1315	129
991-01-1316	107
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991-01-1318	123A
991-01-1319	159
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991-01-2686	129
991-01-3044	123A
991-01-3055	312
991-01-3056	123A
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991-01-3058	159
991-01-3063	130
991-01-3068	123A
991-01-3170	196
991-01-3543	172A
991-01-3544	123A
991-01-3599	159
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991-01-5062	197
991-01-5063	196
991-010098	159
991-010461	172A
991-010462	289A
991-011217	158
991-011219	123A
991-011220	123A
991-011221	102A
991-011222	102A
991-011223	102A
991-011224	102A
991-011225	159
991-011305	128
991-011306	123A
991-011312	123A
991-011313	123A
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991-011315	129
991-011316	123A
991-011318	123A
991-011319	159
991-011576	312
991-011705	289A
991-011706	312
991-012328	159
991-012396	123A
991-012637	102A
991-012686	123AP
991-013044	289A
991-013056	289A
991-013057	289A
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991-013063	152
991-013068	289A
991-013170	152
991-013186	287
991-013187	159
991-013316	289A
991-013543	172A
991-013544	199
991-013599	159
991-013683	289A
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991-015001	186
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991-015587	123A
991-015614	290A
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991-015663	172A
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991-015942-001	761§
991-015942-002	761§
991-015942-003	761§
991-015942-1	761§
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991-016727	172A
991-016788	289A
991-017456	312
991-017499	193A
991-018047	123AP
991-018237	265
991-018238	289A
991-018493	232
991-018827	457
991-019354	74107
991-019355	74154
991-019356	74193
991-020055	7405
991-020425-001	186
991-020425-002	186
991-020425-003	377
991-020425-004	291
991-020426-001	187
991-020426-002	187
991-020426-003	378
991-020426-004	292
991-020427	194
991-020458	289A
991-021443	7442
991-021444	902
991-021444-001	902
991-021444-002	902
991-021450	184
991-021450-001	184
991-021450-002	184
991-021451	185
991-021451-001	185
991-021451-002	185
991-021494	152
991-022215	74164
991-022786	9989
991-022787	7410
991-022788	7416
991-022789	7493A
991-022791	955M
991-022792	941M
991-022794	997
991-022796	74153
991-022982	960
991-024103	987
991-024108	2041§
991-024149-104	966
991-024253	994M
991-024542	992
991-024593	74C00
991-024594	74C04
991-024595	74C154
991-025224	74C73
991-025225	74C04
991-025226	74C164
991-025244	778A
991-025267	948
991-025515	4011B
991-025515-001	4011B
991-025515-002	4011B
991-025516	4071B
991-025517	4081B
991-025535	289A
991-025536	74C02
991-025576	40106B
991-026005	4030B
991-026006	4520B
991-026022	4027B
991-026022-001	4027B
991-026023	4028B
991-026024	4029B
991-026025	4001B
991-026054	199
991-026315	289A
991-026315-001	289A
991-026603	4006B
991-026604	74C08
991-026605	4023B
991-026606	4075B
991-026607	74C174
991-026609	4015B
991-026613	4085B
991-026614	4086B
991-026615	4017B
991-026616	4514B
991-026617	172A
991-026646-7	967
991-026646-10	969
991-026799-968	5024A
991-027326	2042§
991-027358	4013B
991-027358-001	4013B
991-027359	4069
991-027359-001	4069
991-027359-002	4069
991-027362-000	2042§
991-028616-001	4035B
991-028650-000	4025B
991-028650-001	4050B
991-028679-001	4016B
991-028680-001	4019B
991-028681-001	4024B
991-028682-001	4025B
991-028683-001	980
991-028684-001	4073B
991-028685-001	74174
991-028687-001	4585B
991-028688-000	922
991-028689-000	4512B
991-028689-001	4512B
991-029852	7407
991-029853-000	74150
991-029854-000	74LS00
991-029855-000	74LS02
991-029856	74LS04
991-029858-000	74LS10
991-029859-000	4511B
991-029860-000	74121
991-029864-000	834
991-029866	4021B
991-029875-000	923
991-029888	778A
991-030236-000	74LS138
991-030244-000	74LS74A
991-030253-000	74LS155
991-030720-000	74LS27
991-030721-000	74LS32
991-031060-000	74LS244
991-031061-000	4053B
991-031063-000	74LS240
991-031834-000	74LS377
991-031917-001	4516B
991-031918-000	74LS85
991-2P	129
991-3N	128
991T1	102
992-008-890	121MP
992-00271	130
992-00271A	130
992-001192	121
992-00-1192	104
992-00-2271	130
992-002271	130
992-00-2298	123A
992-003139	130
992-00-3139	130
992-00-3139A	130
992-00-3144	123A
992-00-3172	124
992-003172	384
992-004091	130
992-00-4091	130
992-004091-000	130
992-004092	384
992-00-4092	130
992-004092-000	175
992-008870	179
992-00-8870	121
992-008890	121
992-00-8890	179
992-00-8890L	179
992-01-1216	121
992-01-1218	121
992-01-1317	130
992-01-3684	154
992-01-3705	175
992-01-3738	123A
992-01(Zenith)	291
992-02271	130
992-08890	121
992-010404	128
992-011216	121
992-011218	121
992-011317	152
992-013684	128
992-013705	384
992-013738	199
992-016669	219
992-017169	130
992-020054	243
992-020432	130
992-021409	280
992-022201	384
992-022773	153
992-024149-001	960
992-024149-002	309K
992-024149-003	962
992-024149-005	964
992-024149-007	966
992-024149-008	933
992-024149-009	968
992-024149-011	958
992-024149-013	972
992-024185	130
992-026039-2	243
992-026040	244
992-1A6-1	105
992-10	116
992-531-01	166
992T1	102A
995-01-6130	153
995-01-6131	152
998-0061114	123A
998-0200816	123A
999-02	6401
999-16	6402§
999-4601	128
1000-12	139A
1000-17	109
1000-25	703
1000-129	116
1000-130	177
1000-131	109
1000-132	139A
1000-133	144A
1000-135	107
1000-136	123A
1000-137	123A
1000-138	152
1000-139	195A
1000-140	299§
1000-141	195A
1000-142	152
1000-2640	142A
1000-6914	5015A
1000-6948	1248
1000-6963	1571
1000-6971	1387
1000-7052	85
1000-7227	1557
1000-7334	85
1000-7359	5304
1000-9959	107
1000HB3U	5348
1000HB4U	5348
1000HB6U	5348
1000HT1U	5338
1000HT2U	5338
1000HT3U	5338
1000HT4U	5338
1000HT6U	5338
1000HT8U	5338
1001	128
1001-0036/4460	720
1001-0036/5462	1142
1001-0091/4460	1140
1001-0091/5462	1140
1001-01	128
1001-02	123A
1001-02(Courier)	107
1001-03	123A
1001-04	123A
1001-05	123A
1001-06	123A
1001-07	195A
1001-08	237
1001-09	130
1001-0478	605A
1001-5	5642
1001-6	5642
1001-10	109
1001-11	116
1001-12	139A
1001-13	601
1001-25(Lafayette)	703
1001-1179	123AP
1001-5600	605A
1001-5659	109
1001-5667	116
1001-5683	116
1001-5717	399
1001-5766	159
1001-5816	152
1001-5824	153
1001-5832	89
1001-5840	198
1001-5865	123AP
1001-5915	123AP
1001-5949	85
1001-5956	1522
1001-5972	712
1001-6657	152
1001-6699	5801
1001-6731	552
1001-6806	519
1001-6863	5014A
1001-6939	399
1001-6947	123AP
1001-6962	159
1001-7044	123AP
1001-7069	123AP
1001-7077	123AP
1001-7085	288
1001-7119	379
1001-7135	123AP
1001-7150	1186
1001-7168	1187
1001-7663	102
1001-9552	177
1001-9602	109
1001-9610	116
1001-9628	399
1001-9644	85
1001-9651	375
1001-9677	1186
1001-9685	1187
1001-9693	712
1001-9727	1550
1001-9735	615A
1001-9958	229
1001-9966	123AP
1001-9974	123AP
1001-9990	123AP
1001(EF Johnson)	9924§
1001(Fisher)	128
1001(GE)	712
1001(Juliette)	123A
1001H2(IC)	1127
1001H(IC)	1127
1002	234
1002-0006	1003
1002-0014	109
1002-01	312
1002-02	229
1002-02A	108
1002-03	123A
1002-04	123A
1002-04-1	108
1002-05	102A
1002-07	1012
1002-08	109
1002-09	109
1002-0219	116
1002-0345	1465
1002-0402	123AP
1002-0436	289A
1002-0519	5010T1
1002-17	109
1002-17(Diode)	109

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1002-25	726
1002-68	229
1002-4404	142A
1002-5625	123AP
1002-5690	5015A
1002-6219	116(4)
1002-9296	601
1002-9668	144A
1002(Dg. Trans)	2355
1002(GE)	748A
1002(Squelch)	102A
1002A-1	129
1002A-2	128
1002A(Juliette)	107
1002A(TRIAC)	5614
1003	102A
1003-01	107
1003-02	1045
1003-0518	398
1003-0567	1196
1003-11	177
1003-13	116
1003-2084	5070A
1003-3116	1465
1003-6754	199
1003(Dg. Trans)	2357
1003(E.F. Johnson)	102A
1003(Juliette)	126A
1004	123
1004-01	158
1004-02	195A
1004-03	123A
1004-0392	159
1004-0780	199
1004-0798	230
1004-17	108
1004-1960	109
1004-1994	1248
1004-2042	1248
1004(2SC537)	123A
1004(Dig. Trans)	2359
1004(Diode)	109
1004(G.E.)	161
1004(Juliette)*	158
1004P	129
1005	123A
1005-02	195A
1005-03	123A
1005-3	123A
1005-17	102A
1005-20	116
1005(Juliette Diode)	109
1005(2SC537)	123A
1005(Juliette Rectifier)	116
1005(Juliette)*	102A
1005M19	159
1006-0887	1248
1006-0895	85
1006-0903	1466
1006-0937	196
1006-0945	5019A
1006-17	125
1006-21	123A
1006-24	116
1006-48	229
1006-78	160
1006-93	102A
1006-1737	145A
1006-2594	290A
1006-5977	17
1006-5985	140A
1006-7445	1376
1006-9292	109
1006(Diode)	109
1006(G.E.)	161
1006(JULIETTE RECT)	116
1006(Juliette)*	123A
1007-0951	116
1007-17	102A
1007-17(Diode)	109
1007-1124	110MP
1007-3054	229
1007-3062	229
1007-3070	289A
1007-3088	229
1007-3153	289A
1007-3211	123A
1007-3229	287
1007-3344	172A
1007-5869	85
1007-5901	5009A
1007-5919	610
1007(Juliette Diode)	109
1007(2SB405)	158
1007(Fisher)	130
1007(Juliette Rectifier)	116
1007(Juliette)	126A
1008	128
1008-02	123A
1008-17	104
1008-25	726
1008(E.F. Johnson)	102A
1008(Juliette)	131
1008(Power)	131
1009	102A
1009-01	222
1009-02	123A
1009-02-16	123A
1009-03	195A
1009-03-17	128
1009-04	237
1009-04-17	195A
1009-05	300
1009-05A	196
1009-06	138A
1009-07	177
1009-08	177
1009-09	116
1009-11	1016
1009-17	123A
1009-127	312
1009-8403	375
1009(E.F. Johnson)	102A
1009(G.E.)	161
1009(Juliette-Rectifier)	116
1009(Sears)	102A
1010	140A
1010-14	195A
1010-17	191
1010-17(R.F.)	195A
1010-78	160
1010-87	160
1010-89	126A
1010-143	177
1010-145	109
1010-3417	552
1010-7738	159
1010-7928	123A
1010-7936	196
1010-7951	375
1010-7985	165
1010-7993	128
1010-8009	290A
1010-8025	165
1010-8033	290A
1010-8041	128
1010-8066	233
1010-8082	123A
1010-8090	123A
1010-8116	506
1010-8132	5080A
1010-8165	177
1010-8173	110MP
1010-8355	177
1010-9478	513§
1010-9485	116
1010-9486	116
1010-9494	552
1010-9932	738
1010-9940	712
1010-9965	783§
1010-9973	713
1010(20A90)	110MP
1010(Diode)	177
1010(GE)	233
1010(Juliette)	116
1010(Zener)	140A
1010A	519
1011	109
1011-01	195A
1011-02	5071A
1011-0302	519
1011-11	191
1011-11(Focus)	118
1011-11(R.F.)	108
1011-2351	177
1011(VO-6C)	116
1011M57P01	129
1011M62P01	129
1012-17	109
1012-17(Power)	5874
1012(Diode)	116
1012(GE)	159
1012(G.E.)	159
1012(IC)	1003
1012(I.C.)	1003
1013	109
1013-15	229
1013-16	102A
1013(E.F.Johnson)	159
1013(GE)	159
1014	123AP
1014-25	703
1014(Diode)	116
1014(E.F. Johnson)	102A
1014(Fisher)	123AP
1014(Transistor)	102A
1015	145A
1015-2	123AP
1015-2(Fisher)	123AP
1015-15	229
1015(Fisher)	123AP
1015(Transistor)	159
1015GRFA(Trans)	290A
1016	234
1016-17	116
1016-77	109
1016-78	116
1016-79	116
1016-80	703
1016-81	152
1016-83	108
1016-84	108
1016-85	313
1016(GE)	159
1016(G.E.)	159
1016F(TRANS)	234
1018	154
1018-25	1056
1018-1048	19
1018-1063	289A
1018-2400	109
1018-3242	107
1018-3259	177
1018-4943	123AP
1018-6278	5019A
1018-6963	116
1018-7474	502
1018-7961	125
1018-9884	109
1018-13259	177
1019-25	1021
1019-74	102A
1019-1385	506
1019-3852	123A
1019-6699	109
1019(Zenith)	159
1019M(Zenith)	159
1020	116
1020-17	123A
1020-25	1075A
1020H	1160
1021-17	102
1021-25	1100
1022-0911	5007A
1022-1976	5016A
1022-5548	116
1023-17	102
1023G	123A
1023G(GE)	123A
1023Q(Trans)	290A
1024	116
1024-17	104
1024G(GE)	123A
1025-2712	712
1025-4712	712
1025G(GE)	199
1025H	1160
1025H(IC)	1160
1026	319P
1026(Fisher)	319P
1026(GE)	229
1026G	123A
1026G(GE)	123A
1027	146A
1027-4231	928M
1027-4264	1688
1027-4389	1779
1027-4462	1811
1027-4850	1812
1027-5006	1828
1027-5113	1829
1027-5535	1814
1027-6244	1787
1027-6533	19
1027-6624	12
1027-7259	377#
1027-7291	377
1027-7366	293
1027-8042	293
1027-8059	18
1027-9974	552
1027-9982	116
1027-9990	5010A
1027(Fisher)	229
1027(G.E.)	108
1027G	128
1027G(GE)	128
1028-0006	5012A
1028-0014	5012A
1028-0030	5019T1
1028-0055	552
1028-0071	519
1028-0089	519
1028-0097	5010T1
1028-01(Zenith)	51
1028-0105	5014A
1028-3984	177
1028-6680	611
1028-6755	116
1028(G.E.)	123A
1028G	123A
1028G(GE)	123A
1029-02(Zenith)	165
1029(G.E.)	123A
1029-BP	179◆
1029-CH	5200A
1029-CK	179
1029-DL	5194A
1029-DT	5187A
1029-EA	5198A
1029-EM	179
1029-EP	5019A
1029-ES	5087A
1029-EY	101
1029-FB	109
1029-FE	5005A
1029-FF	103A
1029-FG	213◆
1029-FH	5010A
1029-FJ	5874
1029-FL	5022A
1029-FM	5031A
1029-FR	5194A
1029-FS	5192A
1029-FT	5203A
1029G	123A
1029G(GE)	123A
1029-GA	142A
1029-GB	6400B
1029-GC	5021A
1029-GE	128
1029-GG	5183A
1029-GJ	5025A
1029-GK	147A
1029-GT	139A
1029-GW	137A
1029-GY	5009A
1029-HA	5013A
1029-HB	5014A
1029-HC	5018A
1029-HD	5024A
1029-HE	5071A
1029-HF	5079A
1029-HH	5982
1029-HJ	5281A
1029-HL	129
1029-HN	519
1029-HP	129
1029-HU	5010A
1029-HW	5102A
1029-HY	179
1029-JA	123A
1029-JB	159
1029-JD	5408
1029-JH	71
1029-JK	5214A
1029-JN	128
1029-JP	129
1029-JS	6400B◆
1029-JT	5080A
1029-JU	5408
1029-JW	5521
1029-KC	5016A
1029-KE	109
1029-KG	5072A
1029-KH	5027A
1029-KK	5006A
1029-KM	101
1029-KN	5011A
1029-KP	128
1029-KS	5080A
1029-KT	5408
1029-KW	135A
1029-KY	5260A
1029-LA	5002A
1029-LC	5197A
1029-LD	5066A
1029-LJ	136A
1029-LK	143A
1029-LL	123A
1029-LM	5181A
1029-LN	5282A
1029-LP	5198A
1029-LS	5818
1029-LT	5276A
1029-LU	284
1029-LW	219
1029-MA	5550
1029-MB	159
1029-ME	552
1029-MG	5215A
1029-MK	5042A
1029-MM	128
1029-MN	137A
1029-MP	140A
1029-MR	145A
1029-MS	5077A
1029-MT	5033A
1029-NB	5801
1029-NE	5820
1029-NK	5188A
1029-NM	5220A
1029-NN	5088A
1029-NT	219
1029-NW	130
1029-NY	82
1029-PB	369
1029-PE	128
1029-PL	327
1029-PN	3043
1029-PP	123AP
1029-PR	137A
1029-PS	397
1029-PU	159
1029-PY	159
1029-RG	5463
1029-RT	123A
1029-RU	5008A
1029-RW	519
1029-SC	311
1029-SL	552
1029-SN	125
1029-TC	5015A
1029-TE	5005A
1029-WC	5069A
1029-WE	123AP
1029-WG	159
1029-WH	524V25
1029-WK	377
1029-WN	5010A
1029-WP	285
1029-YC	5007A
1029-YD	123AP
1029-YE	159
1030	159
1030-1	159
1030-1(Fisher)	159
1030-2	159
1030-2(Fisher)	159
1030-17	109
1030-21	199
1030-25	7473
1030-5530	377
1030(G.E.)	165
1031-1	123AP
1031-1(Fisher)	123AP
1031-2	123AP
1031-2(Fisher)	123AP
1031-17	156
1031-25	7401
1031H	1245
1032	102
1032-1(Fisher)	129
1032-2(Fisher)	129
1032-3(Fisher)	129
1032-4(Fisher)	159
1032-5(Fisher)	129
1032-25	1141
1032-3467	601
1032-3475	601
1032-3483	601
1032H	1170
1033	142A
1033-0911	177
1033-0983	519
1033-0991	177
1033-1	126A
1033-1(Fisher)	128
1033-2	126A
1033-2(Fisher)	128
1033-3	126A
1033-4	126A
1033-4(Fisher)	128
1033-5	102
1033-5(Fisher)	128
1033-6	103
1033-7	102
1033-8	116
1033-17	116
1033-1007	519
1033-1197	1710
1033-1247	1712
1033-1262	1711
1033-1270	5404
1033-1338	1705
1033-1874	1628
1033-1916	109
1033-4340	4066B
1033-4985	234
1033-5313	19
1033-5537	19
1033-6204	19
1033-6493	199
1033-6956	85
1033-7079	15
1033-7400	16
1033-7426	16
1033-7699	18
1033-7905	16
1034	158
1034-3(Fisher)	159
1034-4(Fisher)	159
1034-5(Fisher)	159
1034-17	123A
1034-43	101
1035	158
1035-3(Fisher)	81
1035-4(Fisher)	81
1035-5(Fisher)	81
1035-80	199
1035-7564	960
1035(Zenith)	297
1036	158
1036-1(Fisher)	183§
1036-2(Fisher)	183§
1036-20	121
1036(Zenith)	298
1037	123AP
1037-0575	42
1037-1(Fisher)	182§
1037-3(Fisher)	182§
1037-65	199
1037-7174	1557
1037(Fisher)	123AP
1038-1	123A
1038-1-10	123A
1038-6	123A
1038-6CL	123A
1038-8	123A
1038-10	123A
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1125-1188	290A
1125-2582	159
1125-2590	610
1125-2608	5014A
1125-7722	109
1125(GE)	186
1126-0023	16
1126-0031	5022A
1126-0049	116
1126-0239	1545
1126-0304	19
1126-0312	19
1126-0320	19
1126-0352	16
1126-0353	16
1126-0395	519
1126-2094	85
1126-5170	290A
1126-7127	290A
1126-7150	85
1126-7226	290A
1126-7234	3120
1126-8430	172A
1126-8836	5140A
1126-8851	123AP
1127	146A
1127-2077	910
1127-8454	16
1127-8470	552
1127-8488	5013A
1128-17	102A
1128-25	1192
1128-4239	1615
1128-4304	290A
1128-4437	552
1128-7547	612
1128(Rad Shk)	159
1129-8015	290A
1129-8742	107
1129-8742(BCE)	85
1129(GE)	712
1132-2	184
1132-2(RCA)	184
1132-4	152
1132-4(RCA)	152
1132-5	196
1132-5(RCA)	196
1133	147A
1133-0289	580
1133-0305	5011A
1133-0321	5019A
1133-1	188
1133-1(RCA)	188
1133-14	785§
1134-1	189
1134-1(RCA)	189
1135-1	184
1135-1(RCA)	130
1135-2	181
1135-3646	159
1135-7076	123AP
1135-8074	147A
1135-9064	5131A
1135-9254	389
1136-3(RCA)	172A
1136-7760(BCE)	199
1136(GE)	783§
1136GREEN	783§
1137-3115	294
1137-7058	5018A
1137-7215	519
1137(GE)	713
1138	116
1138-0789	852
1138-0979	1413
1138-3650	109
1138-4757	162
1138-9467	290A
1138-9640	152
1138-9657	552
1138(GE)	728
1138RED(GE)	728
1139-1	180
1139-17	116
1140-1	184
1140-17	102A
1140-2302	1186
1140-2328	123AP
1140-2864	123AP
1140-2898	5026A
1140-2906	519
1140-3193	123AP
1140-3201	291
1140-3219	291
1140-3383	159
1140-3391	5404
1140-3409	145A
1140-3417	552
1140-4118	1437
1140-4126	136A
1140-4233	319P
1140-4258	210
1140-7673	116
1140-7673(HORZ)	552
1141-1	185
1141-3119	1231
1142(Zenith)	2313
1143-0485	1701
1143-0493	1702
1143-0519	1314
1143-0584	4027B
1143-0741	19
1143-0956	116
1143-1046	519
1143-2861	19
1143-2903	116
1144-1482	19
1144-3876	290A
1144-5749	125
1144-9261	152
1145	100
1145-17	102A
1145-2695	5021A
1145-2703	123AP
1145-2711	319P
1145-2729	210
1145-2737	159
1145-2745	123AP
1145-2752	123AP
1145-2778	152
1145-2786	1545
1145-2794	844
1145-3156	123AP
1145-3164	159
1145-3370	125
1145-4188	616
1145-4741	552
1145-7793	824
1145-O(Trans)	32
1146	100
1146-0888	519
1146-0896	612
1146-1589	107
1146-5200	177
1147-01	123A
1147-02	199
1147-03	294
1147-04	295
1147-05	235
1147-06	186A
1147-08	960
1147-09	4011B
1147-0176	1700
1147-0523	5010A
1147-10	992
1147-11	4029B
1147-13	177
1147-14	109
1147-15	116
1147-16	139A
1147-161	611
1147-3204	5014A
1147-3220	5029A
1147-3238	5020A
1147-6249	290A
1147-7673	552
1147-8807	5014A
1147(GE)	159
1148-0956	585
1148-17	158
1148-7944	116
1148-9499	1618
1148-9556	1234
1148-9648	90
1148-9671	55
1149-0182	5014A
1149-0224	116
1149-0729	712
1149-0740	129P
1149-0760	159
1149-0794	123AP
1149-2469	159
1149-2477	108
1149-2493	198
1149-2501	389
1149-2527	109
1149-2535	519
1149-2543	116
1149-2576	519
1149-4332	85
1149-4374(ECB)	288
1149-4390	85
1149-4408	399
1149-4424	184
1149-6729	712
1150-7746	85
1150-7753	85
1150-7761	5019A
1150-8504	199
1150-9098	15
1150(GE)	5457
1151(GE)	749
1151BLUE(GE)	749
1152	234
1152(GE)	749
1152BLUE(GE)	749
1153-0128	382
1153-0441	177
1153(GE)	783§
1153GREEN	783§
1154-5613(ECB)	159
1154-6199	85
1154-6561	5026A
1154-6579	375
1154-6587	290A
1154-7072	57§
1154-9680	5068A
1154-9938	834
1154(GE)	783§
1154GREEN	783§
1155-1934	230
1155-5570	1226
1155-5596	85
1155-5612	109
1155-5620	519
1155-5638	5019A
1155-6560	290A
1155-8228	107
1155-8236	85
1156	1194§
1156-1644	177
1156-2022	1703
1156(GE)	513§
1156H	1194§
1157	128
1157-2096	199
1157-2104	107
1157-4712	107
1157-4738	2061§
1157-4746	109
1157-4753	109
1157-4761	177
1157-4779	612
1157-4787	116
1157-4795	519
1157-4829	129P
1157-4837	123AP
1157-4845	123AP
1157-4852	123AP
1157-4878(EBC)	199
1157-4886	108
1157(GE)	194
1160-7009	5013A
1160-7611	5011A
1160-7629	5018A
1160-8015	585
1161-2926	5011A
1161-7719	123AP
1163-4110	5018A
1163-4268	1226
1163-4276	1170
1163-9507	211
1163-9572	290A
1164(GE)	712
1164B	6026
1164D	6034
1164F	6040
1164H	6042
1164K	6044
1165	712
1166-3829	844
1166-3887	230
1166-7821	102
1166(GE)	124
1168-7944	116
1169-2076	712
1169-4478	5014A
1169-7653	292
1170-0036	1616
1170-01	125
1172-0026	1483§
1172-0034	1471
1172-0036	1616
1172-0042	966
1172-1396	89
1172-5157	1234
1172-5272	19
1172-5306	56
1172-5330	16
1172-5413	5022A
1172-5504	519
1172-9860	123AP
1173-6824	123AP
1173-8200	190
1173-8220	190
1173-8309	552
1173-8317	5085A
1173-8325	552
1173(GE)	712
1174(GE)	749
1175-7903	1630
1175-7911	928M
1175-7937	943M
1175-7945	16
1175-8000	928M
1175-8018	943M
1175-8026	18
1175-8190	19
1175-8281	16
1175-8299	16
1175-8349	605A
1175-8364	5005A
1176-5013	85
1176-5039	5010A
1176-7142	85
1176-7159	375
1176-7167	399
1176-7175	89
1176-7183	399
1176-7191	2330
1176-7217	552
1176-7225	552
1176-7233	5013A
1176-7241	116
1176-7266	1547
1176-7274	1236
1176-8819	85
1176-8827	290A
1177-1144	1440§
1177-1151	1410
1177-1169	1417
1177-1177	399
1177-1185	389
1177-1193	157#
1177-1201	375
1177-1219	552
1177-1227	552
1177-1235	552
1177-1243	177
1177-1250	5012A
1177-1268	146A
1177-1276	5021A
1177-1284	5025A
1177-1292	5465
1177-3819	1537
1177-3827	1563
1177-3835	801
1177-4114	1170
1178-3453	102
1178-3842	198
1178-3859	123AP
1178-4291	399
1178-7209	399
1178-7454	1545
1178-7462	1547
1178-7470	159
1178-7488	159
1178-7496	198
1178-7512	123AP
1178-7520	123AP
1178-7538	375
1178-7546	398
1178-7553	194
1178-7561	86
1178-7579	89
1178-7587	89
1178-7603	116
1178-7611	177
1178-7637	552
1178-7645	552
1178-7652	125
1178-7660	552
1178-7678	552
1178-7686	5013A
1178-7694	5013A
1178-7868	5013A
1178(GE)	712
1179-0334	5529
1179-1308	187A
1179-1324	331
1179-1332	379
1179-1340	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1179-1357	506
1179-1365	125
1179-2306	6402§
1179-9186	519
1179(GE)	712
1180-0182	102
1180-1859	519
1180-1867	290A
1180-1875	116
1180-1909	552
1180-1917	398
1180-1925	89
1180-1933	5010A
1180-1941	165
1180-1958	85
1180-1982	290A
1180-1990	52
1180-2006	85
1180-2022	289A
1180-2030	5036A
1180-2048	5014A
1180-2055	1573
1180-2089	1576
1180-2634	1758
1180-2881	107
1180-3089	1576
1180-4457	5021A
1180-5991	1650
1180-6296	146A
1180-6445	1714S
1181-3201	1226
1181-3268	140A
1181-3292	1561
1181-3409	107
1181-3417	199
1181-3425	199
1181-3433	382
1181-3458	85
1181-3466	373
1181-3474	382
1181-3565	1562
1181-3739	399
1181-3763	1547
1181-3771	85
1181-3789	399
1181-3797	399
1181-3805	198
1181-3813	375
1181-3821	116
1181-3912	376
1181-3920	198
1181-4928	4016B
1181-5263	142A
1181-7111	177
1181-7129	1440§
1181-7137	1416
1181-7145	712
1181-7152	375
1181-7160	198
1181-7228	198
1183-0494	5004A
1183-17	195A
1183-3258	89
1183-3266	5021A
1183-3274	558
1183-3282	558
1183-3290	552
1183-3308	5317
1183-3314	552
1183-3316	552
1183-3458	519
1183-3548	519
1183-8216	5027A
1184-5109	13
1184-5526	1718
1184-5641	116
1184-5658	5019A
1184-5666	5019A
1184-5682	552
1184-5708	519
1184-5716	519
1184-5732	5020A
1184-8108	1416
1184-8728	1550
1184-9056	23
1184-9064	5021A
1184-9098	116
1184G	129
1184G(GE)	193
1185-0161	1711
1185-0260	290A
1186-5573	552
1186-5581	5031A
1186-5672	1616
1186-5888	1483§
1186-5912	1664
1186-5953	5402
1186-5987	157
1186-5995	157
1186(GE)	159
1187	128
1187(GE)	192§
1188-0101	5020A
1188-3097	16
1188-6306	116
1190	165
1191-3357	4013B
1191-3365	4042B
1191-3373	290A
1191-3381	15
1191-3399	377#
1191-3415	125
1191-3423	125
1191-3431	5009A
1191-3449	5009A
1191-4769	107
1191-4793	379
1191-4819	555A
1191-4991	1661
1191-7840	376
1191-7860	198
1191-8547	943M
1192	102
1192-7837	605A
1192-7845	109
1192-7852	1522
1192-7860	198
1192-7886	152
1192-9288	198
1192(GE)	712
1193-4163	377
1193-4171	5019A
1193-4189	585
1193-4197	5013A
1193-4205	5004A
1193-8537	590
1193(GE)	712
1195-2679	5014A
1195-4455	580
1195-6372	5012A
1195-6380	519
1195-6398	519
1195-6406	552
1195-6414	552
1195-6422	552
1195-6430	5020A
1195-6448	605A
1195-6455	125
1195-6463	2V150
1195-6471	5092A
1195-6497	399
1195-6505	85
1195-6513	375
1195-6521	198
1195-6539	399
1195-6547	1669§
1195-6562	1580
1195-6570	1416
1195-6893	5018A
1195-6901	157
1195-6943	165
1195-6950	86
1197-0027	5019A
1197-1686	19
1197-1777	16
1197-1793	5022A
1198-4143	290A
1198-4176	399
1198-4200	399
1198-4267	128P
1198-4291	289A
1198-4325	399
1198-4382	519
1198-7686	5013A
1198(Harmon Kardon)	128
1198RS	234
1199-7822	580
1199-7830	5074A
1199-7848	712
1199-7855	1471
1199-7863	159
1199-7871	399
1200	1111§
1200-1913	290A
1200-2036	398
1200-2093	289A
1200-2184	116
1200-2242	5022A
1200-2358	1674
1200-2440	1553§
1200-2531	85
1200-3412	5036A
1200-3430	1373
1200-3448	1650
1200-3463	1658
1200-3497	4052B
1200-3505	40160B
1200-3530	1373
1200-3539	290A
1200-3547	85
1200-3554	157
1200-3588	89
1200-3596	253
1200-3604(SGD)	458
1200-3612	5036A
1200-3620	519
1200-3638	552
1200-3646	588
1200-3653	5304◆
1200-8336	238
1200-9460	152
1200-9528	519
1200-9585	5009A
1201-4114	116
1201-4148	5074A
1201-4171	552
1201-4205	116
1201-7430	5041A
1201-8156	288
1201-8180	194
1201-8248	5051A
1201-9618	1833
1202-0229	290A
1202-7678	13
1202-7702	591
1202-7751	5020A
1202-7769	5022A
1202(Dig. Trans)	2355
1203	5240A
1203-169	123A
1203-6323	19
1203-6380	5023A
1203-6406	605A
1203-6414	5022A
1203-7362	109
1203-7370	116
1203-7388	5804
1203-7396	580
1203-7412	229
1203-7420	107
1203-7438	123AP
1203-7446	290A
1203-7453	85
1203-7461	152
1203-7479	398
1203-7495	85
1203(Dig. Trans)	2357
1203(GE)	123A
1204	5242A
1204-0010	290A
1204-0028	283
1204(Dig. Trans)	2359
1204(GE)	128
1205	116
1205-7790	5021A
1205-7816	399
1205-7832	1545
1205-7840	399
1205-7845	290A
1205-7873	24
1205-7899	399
1205-7907	1553§
1205-7923	552
1205(GE)	123A
1206	5247A
1206-17	110MP
1206(GE)	128
1207	5248A
1207-1(RCA)	177
1207-17	109
1207-4543	85
1207-4707	4027B
1207-4758	293
1207-6543	552
1207-6600	519
1207-6634	116
1207-6667	552
1207-6691	5010A
1207-6725	375
1207-6758	293
1207-6782	373
1207-6873	1589
1207-6907	4027B
1207-6931	4053B
1207-6964	374
1207-7673	293
1207(GE)	128
1208	5249A
1208-3853	5019T1
1208-3861	5009A
1208(GE)	123A
1209	5251A
1209-0445	399
1209-3027	552
1209-3035	5020A
1209-3043	116
1209-5873	399
1209-7143	24
1210	5252A
1210-17	313
1210-17B	123A
1211	5253A
1212	5254A
1212-4	235
1212-5009	552
1212(Ross)	177
1213	5255A
1213-6446	177
1214	159
1214-4	235
1214-4945	1545
1214-4952	290A
1214-4957	290A
1214-4978	289A
1214-4986	399
1214-4994	580
1214-5009	552
1214-5017	5012A
1214-5024	125
1214-5025	125
1214-7952	290A
1215-3839	116
1215-4274	558
1215-5693	580
1215-5701	5010T1
1215-8663	1835
1215-8671	7002
1216-2575	2348
1217-0536	159
1217-0544	399
1217-2284	1741
1217-2285	1741
1217-2383	399
1217-8562	16
1217-8570	16
1217-8620	17
1217-8943	1807
1217-8950	1808
1217-8968	1809
1217-8992	1810
1217-9016	1813
1217-9024	928M
1217-9040	1814
1217-9065	1787
1217-9099	17
1217-9107	12
1217-9115	16
1217-9123	15
1217-9131	379
1217-9149	379
1217-9156	377#
1217-9164	13
1217-9172	54
1217-9180	552
1217-9198	551§
1217-9206	5010A
1217-9214	5009A
1217-9222	5012A
1217-9230	5012A
1217-9248	5019T1
1217-9255	5019T1
1217-9271	580
1217-9289	5009A
1217-9297	552
1217-9305	605A
1217-9313	5014A
1217-9321	5019T1
1217-9339	5021T1
1217-9347	5022A
1217-9362	580
1217-9370	168
1217-9388	580
1217-9396	168
1217SK333	311
1222-6684	290A
1222-7104	123AP
1223-1924	5025A
1223-2229	293
1223-2245	85
1223-2252	580
1223-2260	5010A
1223-2278	552
1223-2286	5027A
1223-2294	5030A
1224G	123A
1225-4975	4066B
1225G	123A
1226G	199
1227-0187	85
1227-3	107
1227-17	123A
1227-4304	289A
1227-4320	85
1227-4338	377#
1227-9741	2331
1227G	123A
1228	128
1228-17	123A
1228-4017	85
1228-4022	373#
1228-4410	1547
1228-4428	85
1228-4451	2302
1228-4469	2302
1228G	128
1229-0862	1806
1229-1159(BCE)	2356
1229-1167(BCE)	2358
1229-1175	2355◆
1229-1183(BCE)	2357
1229-1191(BCE)	2359
1229-1308	5018A
1229-4633	529
1229-4658	4071B
1229-4724	19
1229-4799	5084A
1229-4807	5015A
1229-4815	5015A
1229-8170	254
1229-8477	85
1229-8709	5021A
1229-8725	615A
1229-8733	5011A
1229-8766	519
1229G	229
1229H	108
1230	123A
1230-9266	5016A
1230G	123A
1231-0132	778A
1231-0140	778A
1231-0157	1716
1231-0165	1529
1231-0207	1873
1231-0215	1826
1231-0348	17
1231-0355	19
1231-0363	15
1231-0371	16
1231-0389	11
1231-0397	377
1231-0405	5018A
1231-0447	5018A
1231-3185	290A
1231-4720	289A
1231-4787	290A
1231-8325	1716
1231-8333	943M
1231-8341	1409
1231-8358	7020
1231-8366	943M
1231-8408	16
1231-8416	19
1231-8424	5029A
1231-8432	5029A
1231-8440	552
1232-2889	5024A
1232-7292	1780
1232-7300	1373
1232-7409	198
1232-7573	1678
1232-7573(Trans)	159
1232-7730	46
1232-7805	5314
1232-7946	165
1234-1674	1677
1234-5849	2335
1234-5864	85
1234-5880	295
1234-5898	116
1234-5906	552
1234-5914	5029A
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1348A44H01	9944
1348A45H01	9945
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1373-17AL	108
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1687-17	107
1688	128
1689	199
1689-2	199
1689-3	199
1689-4	199
1695P2(GE)	339
1699-17	177
1700-5182	903
1702	123AP
1702K	123AP
1702M	123AP
1702M(CBE)	123AP
1702MN0(CBE)	123AP
1702N	123AP
1702-O(CBE)	123AP
1703	130
1703-8662	519
1705-4834	123A
1705-5351	128
1710	289A
1710(GE)	152
1711	123A
1711-17	123A
1711MC	123A
1712-17	123A
1713-17	116
1714-0402	175
1714-0602	175
1714-0605	175
1714-0802	175
1714-0805	175
1714-1002	175
1714-1005	175
1716-2(RCA)	850§
1716-2(RCA-IC)	850§
1718	612
1719-1(RCA)	2024
1719-1(RCA-IC)	2024
1721-0725	218
1723-0405	327
1723-0410	327
1723-0605	327
1723-0610	327
1723-0805	327
1723-0810	327
1723-17	123A
1723-1005	327
1723-1010	327
1723-1205	327
1723-1210	327
1723-1405	327
1723-1410	327
1723-1605	327
1723-1610	327
1723-1805	181
1723-1810	181
1729-7284	923
1735R	3065
1737R	3061
1738R	3056
1741	123A
1741-0051	7400
1741-0069	74H00
1741-0085	7401
1741-0119	7402
1741-0143	7404
1741-0150	74H04
1741-0176	7405
1741-0184	74H05
1741-0200	7408
1741-0234	7410
1741-0242	74H10
1741-0275	74H11
1741-0291	7417
1741-0325	7420
1741-0333	74H20
1741-0366	74H22
1741-0416	7430
1741-0424	74H30
1741-0440	7437
1741-0473	7440
1741-0481	74H40
1741-0564	7451
1741-0572	74H51
1741-0598	7453
1741-0606	74H53
1741-0622	7454
1741-0630	74H54
1741-0663	74H55
1741-0689	7460
1741-0697	74H60
1741-0721	74H74
1741-0747	7475
1741-0770	7483
1741-0804	7486
1741-0895	7493A
1741-0952	7495
1741-1018	74107
1741-1042	74150
1741-1075	74151
1741-1133	7411
1741-1190	7441
1741-1224	7442
1741-1257	74121
1741-1299	74H21
1741-1323	74H183
1741-1349	74180
1741-1380	74H52
1741(SAVILLE)	192A§
1743-0610	327
1743-0630	327
1743-0820	327
1743-1010	327
1743-1030	327
1743-1220	327
1743-1410	327
1743-1420	327
1743-1430	327
1743-1620	327
1743-1810	387
1750-103	177
1750(BENDIX)	179
1751-17	199
1751G036	123A
1752(MOV)	1V175
1754-003(RCA)	987
1754-3(RCA)	987
1755	524V17
1755A	138A
1755A-F	138A
1756-001(RCA)	1545
1756-1(RCA)	1545
1756-17	177
1758-1	846
1761-17	108
1763-0415	181
1763-0420	181
1763-0425	181
1763-0615	181
1763-0620	181
1763-0625	181
1763-0815	181
1763-0825	181
1763-2(RCA-IC)	923D
1763-1015	181
1763-1020	181
1763-1025	181
1763-1215	181
1763-1220	181
1763-1225	181
1763-1415	181
1763-1420	181
1763-1425	181
1764-1(RCA)	912
1766	142A
1777-17	102A
1778-17	109
1781-1(RCA)	1739
1787R	3078
1788R	3079
1789-17	128
1792-17	108
1794-17	139A
1798-1(RCA)	108
1799-17	123A
1800	9924§
1800-17	123A
1800DC	9800
1800PC	9800
1801	161
1801DC	9801
1801PC	9801
1802DC	9802
1802L	294
1802M	159
1802M(CBE)	294
1802N	159
1802PC	9802
1803DC	9803
1803PC	9803
1804	OBS-NLA
1804-17	154
1804DC	9804
1804PC	9804
1805	7401
1805DC	9805
1805PC	9805
1806	7404
1806-17	130
1806-17A	130
1806DC	9806
1806PC	9806
1807	7442
1807DC	9807
1807PC	9807
1808	7490
1808DC	9808
1808PC	9808
1809(Diode)	177
1809(IC)	OBS-NLA
1809DC	9809
1809PC	9809
1810DC	9810
1811-110-10111	112
1811-110-10118	119
1811-110-10191	118
1811DC	9811
1811PC	9811
1812-1	123A
1812-1-12	123A
1812-1-127	123A
1812-1L	123A
1812-1L8	123A
1812DC	9812
1812PC	9812
1813-0015	109
1813-0093	933
1813-0100	932
1813-0211	1768
1813-0212	1769
1813-0215	1770
1813DC	9813
1813PC	9813
1814A	121
1814A-12	121
1814A-127	121
1814AL	121
1814AL-8	121
1814DC	9814
1814PC	9814
1816-0217	74S288
1816-0439	74S475
1816-0710	74S571
1816-0782	74S287
1816-0915	74S188
1816-0916	74S288
1816-0917	74S387
1816-0918	74S570
1816-0929	74S474
1816-0931	74S573
1816-1032	74S288
1816-1054	74S454
1816-1137	74S287
1816-1142	74S474
1816-1153	74S288
1816-1160	74S478
1816-1162	74S478
1816-1163	74S474
1816-1174	74S188
1816-1382	74S571
1816-1436	74S288
1816-1467	74S573
1816-1468	74S288
1816-1482	74S571
1816-1556	74S478
1816-1562	74S472
1816-1574	74S454
1816-1578	74S288
1818	177
1818-0165	2107
1818-0198	2102
1818-0317	2104
1818-0340	2117
1818-0498	2716
1818-0762	2532
1818-0794	2716
1818-0850	2732
1818-1396	2117
1818-1467	2117
1818-1559	2164
1818-1581	2532
1818-1611	2128
1818-1633	2732
1818-1648	2732
1818-1721	2732
1818-1747	2764
1818-1755	2732
1818-1756	2102
1818-1758	2764
1818-1888	2532
1818-1966	2764
1818-1982	2732
1818-1999	2764
1818-3005	2164
1818-3006	2164
1818-3023	2732
1818-3059	2164
1818-3163	2128
1818-3307	4256
1818-3308	4256
1818-3383	2732
1818-3483	2164
1818-4099	2128
1818(I.C.)	OBS-NLA
1820	OBS-NLA
1820-0047	903
1820-0051	703
1820-0054	7400
1820-0055	7490
1820-0056	7492
1820-0058	909
1820-0063	7451
1820-0065	7470
1820-0068	7410
1820-0069	7420
1820-0070	7430
1820-0071	7440
1820-0072	7450
1820-0074	7454
1820-0075	7473
1820-0076	7476§
1820-0077	7474
1820-0081	9911
1820-0084	7453
1820-0085	7460
1820-0087	9950
1820-0088	9951
1820-0094	9946
1820-0095	9948
1820-0096	9932
1820-0099	7493A
1820-0100	7441
1820-0104	1171
1820-0111	8301
1820-0122	9093
1820-0125	911
1820-0128	9937
1820-0137	724
1820-0138	5874
1820-0141	74H08
1820-0158	924
1820-0162	909
1820-0174	7404
1820-0175	7405
1820-0192	901§
1820-0196	923
1820-0203	941
1820-0204	74H11
1820-0207	9601
1820-0214	7442
1820-0216	941M
1820-0216-1	941M
1820-0217	941M
1820-0217-1	941M
1820-0218	5454
1820-0223	1171
1820-0231	8316
1820-0233	74193
1820-0238	9810
1820-0240	906
1820-0242	1171
1820-0247	1928
1820-0248	909
1820-0256	9158
1820-0257	9157
1820-0258	9099
1820-0259	9935
1820-0261	74121
1820-0262	74165
1820-0269	7403
1820-0270	923
1820-0273	9806
1820-0274	9808
1820-0281	74107
1820-0282	7486
1820-0287	9672§
1820-0288	9662§
1820-0294	74164
1820-0297	900§
1820-0298	784
1820-0301	7475
1820-0304	7472
1820-0305	7483
1820-0306	724
1820-0307	9936
1820-0308	9945
1820-0310	9962
1820-0321	910
1820-0323	9989
1820-0324	9924§
1820-0326	908
1820-0327	7401
1820-0328	7402
1820-0341	9094
1820-0346	9933
1820-0348	9944
1820-0349	9949
1820-0350	9961
1820-0351	9963
1820-0352	904
1820-0362	7480
1820-0363	7482
1820-0364	7491
1820-0366	7494
1820-0367	7495
1820-0368	7496
1820-0370	74H00
1820-0371	74H01
1820-0372	74H11
1820-0373	74H21
1820-0374	74H21
1820-0375	74H30
1820-0376	74H40
1820-0377	74H50
1820-0378	74H51
1820-0379	74H52
1820-0380	74H53
1820-0381	74H54
1820-0382	74H55
1820-0383	74H60
1820-0384	74H61
1820-0385	74H62
1820-0386	74H71
1820-0387	74H72
1820-0391	74H73
1820-0398	910D
1820-0411	OBS-NLA
1820-0418	9812
1820-0424	74H04
1820-0427	973§
1820-0430	309K
1820-0435	74180
1820-0439	923D
1820-0441	9801
1820-0443	74L93
1820-0450	74196
1820-0451	74S113
1820-0454	9805
1820-0460	7400
1820-0467	7401
1820-0468	7445
1820-0469	74H102
1820-0471	7406
1820-0474	726
1820-0476	915
1820-0477	975
1820-0478	938
1820-0479	9935

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1820-0491	74145
1820-0492	74197
1820-0493	976
1820-0495	7411
1820-0506	8266
1820-0509	75188
1820-0510	75189
1820-0511	7408
1820-0512	74H74
1820-0513	7409
1820-0514	7426
1820-0515	9602
1820-0516	9112§
1820-0535	75451B
1820-0537	7413
1820-0538	7423
1820-0539	7437
1820-0542	8234
1820-0543	8233
1820-0544	74H103
1820-0545	74191
1820-0546	74192
1820-0574	74173
1820-0577	7416
1820-0579	74123
1820-0605	74H01
1820-0606	74181
1820-0609	74S114
1820-0610	8309
1820-0611	74182
1820-0613	74H05
1820-0614	93L08
1820-0615	9931
1820-0618	7417
1820-0619	74H22
1820-0620	74153
1820-0621	7438
1820-0622	74151
1820-0625	9666
1820-0626	74141
1820-0628	7489
1820-0629	74S112
1820-0630	974
1820-0631	74H108
1820-0640	74150
1820-0655	7425
1820-0657	8318
1820-0661	7432
1820-0665	9814
1820-0668	7407
1820-0681	74S00
1820-0682	74S03
1820-0683	74S04
1820-0684	74S05
1820-0685	74S10
1820-0686	74S11
1820-0687	74S15
1820-0688	74S20
1820-0689	74S22
1820-0690	74S40
1820-0691	74S64
1820-0692	74S65
1820-0693	74S74
1820-0694	74S86
1820-0695	74S113
1820-0696	74S114
1820-0697	74S140
1820-0704	74122
1820-0707	74141
1820-0713	74163
1820-0715	74H106
1820-0716	74161
1820-0726	74199
1820-0727	8321
1820-0730	96L02
1820-0734	74190
1820-0738	74155
1820-0739	74H101
1820-0740	74H87
1820-0741	8328
1820-0742	8308
1820-0744	7497
1820-0751	74196
1820-0752	74H76
1820-0762	74157
1820-0765	74197
1820-0778	93L16
1820-0782	7427
1820-0788	74174
1820-0799	75452B
1820-0833	74LS259
1820-0837	7425
1820-0839	74175
1820-0841	74H86
1820-0846	74126
1820-0847	74H183
1820-0856	7400
1820-0857	7420
1820-0858	7476§
1820-0859	7474
1820-0860	9951
1820-0861	9946
1820-0862	9948
1820-0863	9158
1820-0864	7403
1820-0865	9944
1820-0866	9949
1820-0868	9801
1820-0869	9935
1820-0870	7408
1820-0875	9600
1820-0894	7404
1820-0899	74160
1820-0902	75450B
1820-0906	7214
1820-0907	7412
1820-0910	74LS83A
1820-0921	7485
1820-0924	4038B
1820-0927	4028B
1820-0928	4041
1820-0929	4022B
1820-0930	4026B
1820-0931	4029B
1820-0933	4017B
1820-0935	4020B
1820-0936	4024B
1820-0937	4040B
1820-0938	4027B
1820-0939	4013B
1820-0941	4043B
1820-0942	4000
1820-0943	4023B
1820-0946	4001B
1820-0947	4030B
1820-0948	4002B
1820-0949	4011B
1820-0950	4012B
1820-0951	4019B
1820-0958	4042B
1820-0961	4021B
1820-0965	9800
1820-0969	4035B
1820-0970	4014B
1820-0976	4015B
1820-0977	4034B
1820-0978	4007
1820-0979	4049
1820-0981	4016B
1820-0985	9800
1820-0989	74179
1820-0990	75189
1820-0995	7447
1820-0998	74S153
1820-1004	7404
1820-1006	164
1820-1015	74S158
1820-1016	75453B
1820-1032	74198
1820-1037	7446
1820-1038	7448
1820-1042	74165
1820-1046	74156
1820-1049	74367
1820-1053	7414
1820-1056	74132
1820-1064	74164
1820-1066	7411
1820-1068	74H30
1820-1074	74128
1820-1076	74S174
1820-1077	74S157
1820-1079	4501
1820-1081	6880
1820-1107	74166
1820-1110	722
1820-1111	7440
1820-1112	74LS74A
1820-1113	8553
1820-1114	4516B
1820-1116	74109
1820-1121	74125
1820-1122	4518B
1820-1124	7433
1820-1129	9334§
1820-1130	74S133
1820-1137	9809
1820-1143	8552§
1820-1144	74LS02
1820-1145	4049
1820-1146	4050B
1820-1150	4520B
1820-1158	74S51
1820-1164	74H106
1820-1172	7416
1820-1175	4522B
1820-1176	4015B
1820-1184	7425
1820-1185	74162
1820-1189	4510B
1820-1191	74S175
1820-1192	74173
1820-1193	74LS197
1820-1194	74LS193
1820-1195	74LS175
1820-1196	74LS174
1820-1197	74LS00
1820-1198	74LS03
1820-1199	74LS04
1820-1200	74LS05
1820-1201	74LS08
1820-1202	74LS10
1820-1203	74LS11
1820-1204	74LS20
1820-1205	74LS21
1820-1206	74LS27
1820-1207	74LS30
1820-1208	74LS32
1820-1209	74LS38
1820-1210	74LS51
1820-1211	74LS86
1820-1212	74LS112A
1820-1213	74LS113
1820-1214	74126
1820-1215	74LS136
1820-1216	74LS138
1820-1217	74LS151
1820-1230	75491B
1820-1231	75492B§
1820-1238	74LS253
1820-1240	74S138
1820-1241	4512B
1820-1243	74LS15
1820-1244	74LS153
1820-1245	74LS155
1820-1246	74LS09
1820-1250	74136
1820-1251	74LS196
1820-1254	74365
1820-1255	74368
1820-1256	7422
1820-1258	74178§
1820-1259	74179
1820-1260	74221
1820-1262	74290
1820-1264	74293§
1820-1265	4527B
1820-1271	74143§
1820-1272	74LS33
1820-1273	74LS28
1820-1274	74LS22
1820-1276	74LS194A
1820-1277	74LS192
1820-1278	74LS191
1820-1279	74LS190
1820-1280	74LS181
1820-1281	74LS139
1820-1282	74LS109A
1820-1283	74LS95B
1820-1284	74LS55
1820-1285	74LS54
1820-1286	74LS40
1820-1287	74LS37
1820-1291	8554
1820-1292	8520
1820-1294	8123
1820-1296	74LS295A
1820-1297	74LS266
1820-1298	74LS251
1820-1300	74LS195A
1820-1302	74S251
1820-1304	74S194
1820-1306	74S134
1820-1309	74S258
1820-1313	4053B
1820-1314	4052B
1820-1315	4051B
1820-1316	4048B
1820-1317	4047B
1820-1318	4045B
1820-1319	74S151
1820-1322	74S02
1820-1323	74S30
1820-1324	74S124
1820-1325	4066B
1820-1328	4526B
1820-1329	4515B
1820-1340	40085B
1820-1355	4532B
1820-1356	4528B
1820-1361	8374
1820-1365	74C157
1820-1367	74S08
1820-1368	74366
1820-1385	4502B
1820-1386	4506B
1820-1388	4071B
1820-1389	4583B
1820-1391	74C161
1820-1402	80C95
1820-1403	4072B
1820-1404	4069
1820-1405	4075B
1820-1407	4078B
1820-1408	4073B
1820-1409	4082B
1820-1410	4068B
1820-1411	74LS75
1820-1412	4556B
1820-1413	4511B
1820-1414	74LS12
1820-1415	74LS13
1820-1416	74LS14
1820-1417	74LS26
1820-1418	74LS42
1820-1419	74LS85
1820-1420	74LS92
1820-1422	74LS122
1820-1423	74LS123
1820-1424	74LS629
1820-1425	74LS132
1820-1426	74LS145
1820-1427	74LS156
1820-1428	74LS158
1820-1429	74LS160A
1820-1430	74LS161A
1820-1431	74LS162A
1820-1432	74LS163A
1820-1433	74LS164
1820-1436	74LS170
1820-1437	74LS221
1820-1439	74LS257
1820-1440	74LS258
1820-1441	74LS283
1820-1442	74LS290
1820-1443	74LS293
1820-1444	74LS298
1820-1446	74LS395A
1820-1447	74LS670
1820-1448	74S09
1820-1459	74170
1820-1463	74390
1820-1464	74393
1820-1465	74490
1820-1466	74C174
1820-1468	8542
1820-1469	74LS107
1820-1470	74LS157
1820-1471	4539B
1820-1476	6886
1820-1477	6885
1820-1478	74LS93
1820-1479	4553B
1820-1483	4071B
1820-1485	74C221
1820-1486	4081B
1820-1488	4081B
1820-1490	74LS90
1820-1491	74LS367
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1853-0076	106
1853-0077	159
1853-0081	159
1853-0084	185
1853-0086	159
1853-0089	159
1853-0098	159
1853-0100	159
1853-0204	185
1853-0205	159
1853-0206	129
1853-0212	185
1853-0213	129
1853-0215	129
1853-0217	159
1853-0221	397
1853-0222	185
1853-0223	219
1853-0224	397
1853-0234	332
1853-0236	185
1853-0244	159
1853-0258	106
1853-0264	288
1853-0271	159
1853-0276	159
1853-0280	185
1853-0281	159
1853-0285	159
1853-0287	159
1853-0292	159
1853-0305	285
1853-0310	180
1853-0311	219
1853-0314	129
1853-0318	159
1853-0320	129
1853-0322	159
1853-0323	218
1853-0326	189
1853-0327	159
1853-0328	38
1853-0332	258
1853-0334	258
1853-0336	288
1853-0340	180
1853-0341	185
1853-0344	285
1853-0347	254
1853-0348	129
1853-0349	128
1853-0350	391
1853-0351	244
1853-0353	189
1853-0356	332
1853-0360	159
1853-0362	244
1853-0364	254
1853-0365	332
1853-0366	234
1853-0369	242
1853-0371	197
1853-0377	262
1853-0378	183§
1853-0383	275
1853-0387	246
1853-0391	248
1853-0392	292
1853-0394	242
1853-0395	159
1853-0399	129
1853-0405	159
1853-0406	292
1853-0407	285
1853-0412	232
1853-0413	242
1853-0414	38
1853-0416	232
1853-0418	378
1853-0419	159
1853-0421	180
1853-0422	129
1853-0424	262
1853-0425	30◆
1853-0428	30
1853-0429	323
1853-0430	395
1853-0431	332
1853-0436	185
1853-0439	285
1853-0448	395
1853-0449	273
1853-0450	242
1853-0451	159
1853-0453	393
1853-0454	2344
1853-0457	288
1853-0458	185
1853-0463	2344
1853-0468	262
1853-0469	153
1853-0472	378
1853-0476	189
1853-0478	332
1853-0479	176
1853-0487	285
1853-0488	159
1853-0490	2344
1853-0493	397
1853-0494	378
1853-0497	378
1853-0498	271
1853-0501	2350
1853-0509	332
1853-0525	2407
1853-0526	327
1853-0529	82
1853-0536	159
1853-0537	292
1853-0540	217
1853-0542	332
1853-0543	248
1853-0545	2407
1853-0547	332
1853-0548	38
1853-0550	290A
1853-0551	129P
1853-0552	129P
1853-0553	160
1853-0557	50
1853-0558	50
1853-0559	129P
1853-0563	159
1853-0565	159
1853-0566	2411
1853-0567	2407
1853-0568	2407
1853-0571	159
1853-0573	25
1853-0574	129
1853-0576	397
1853-0580	2407
1853-0581	2411
1853-0585	323
1853-0587	159
1853-0588	2407
1853-0590	129
1853-0594	82
1853-0595	211
1853-0597	159
1853-0599	2409
1853-0608	288
1853-0612	2403
1853-0613	2429
1853-0616	2403
1853-0617	262
1853-0621	2329
1853-0622	37
1853-0624	290A
1853-0626	159
1853-0629	374
1853-0630	36
1853-0631	37
1853-0632	37
1853-0633	398
1853-0634	242
1853-0636	2409
1853-0638	159
1853-0639	395
1853-0640	159
1853-0641	159
1853-0645	2407
1853-0650	129
1853-0652	55
1853-0655	378
1853-0659	159
1853-0660	129P
1853-0661	378
1853-0662	159
1853-0664	159
1853-0665	159
1853-0666	264
1853-0667	197
1853-0668	262
1853-0670	38
1853-0674	185#
1853-0684	2411
1853-0685	159
1853-0686	395
1853-0687	2431
1853-0688	2429
1853-0690	374
1853-0691	2429
1853-0692	383
1853-0694	271
1853-0698	2403
1853-0703	234
1853-0706	2407
1853-0707	159
1853-0708	159
1853-0709	393
1853-0710	37
1853-0711	378
1853-0712	2342
1853-0713	2319
1853-0716	232
1853-0717	2403
1854-0003	123A
1854-0004	108
1854-0005	123A
1854-0006	108
1854-0009	108
1854-0010	123A
1854-0011	123A
1854-0013	123
1854-0017	108
1854-0021	108
1854-0022-1	128
1854-0026	123A
1854-0027	123A
1854-0029	108
1854-0030	123A
1854-0032	123A
1854-0033	199
1854-0036	123A
1854-0039	128
1854-0048	316
1854-0050	108
1854-0053	123
1854-0057	107
1854-0063	130
1854-0064	123A
1854-0066	289A
1854-0067	128
1854-0072	384
1854-0076	121
1854-0079	396
1854-0081	123A
1854-0084	130
1854-0086	283
1854-0087	123A
1854-0090	128
1854-0090-1	128
1854-0092	229
1854-0093	123A
1854-0094	216
1854-0095	396
1854-0098	289A
1854-0099	123A
1854-0201	123A
1854-0202	123A
1854-0203	123A
1854-0209	128
1854-0210	123A
1854-0211	123A
1854-0212	128
1854-0213	128
1854-0214	324
1854-0215	123AP
1854-0216	384
1854-0217	87
1854-0218	289A
1854-0219	107
1854-0220	278
1854-0224	384
1854-0233	311
1854-0234	396
1854-0237	124
1854-0238	161
1854-0242	128
1854-0245	181
1854-0246	123A
1854-0252	385
1854-0255	128
1854-0259	384
1854-0260	311
1854-0263	128
1854-0264	385
1854-0265	175
1854-0267	123A
1854-0274	128
1854-0278	123A
1854-0281	128
1854-0282	175
1854-0287	123A
1854-0289	123A
1854-0296	69
1854-0301	123A
1854-0304	123A
1854-0307	123A
1854-0311	175
1854-0313	181
1854-0315	278
1854-0323	316
1854-0324	286
1854-0325	316
1854-0327	123A
1854-0332	128
1854-0345	316
1854-0347	184
1854-0349	81
1854-0352	2347
1854-0353	123A
1854-0359	128
1854-0361	128
1854-0363	2347
1854-0365	194
1854-0368	184
1854-0370	196
1854-0371	123A
1854-0378	278
1854-0379	124
1854-0382	280
1854-0383	128
1854-0384	154
1854-0387	199
1854-0388	319P
1854-0389	184
1854-0390	161
1854-0392	47
1854-0397	123A
1854-0398	181
1854-0399	384
1854-0409	123AP
1854-0411	81
1854-0417	107
1854-0418	108
1854-0431	316
1854-0432	123A
1854-0435	100
1854-0438-1	124
1854-0453	184
1854-0454	196
1854-0456	331
1854-0467	123AP
1854-0472	46
1854-0474	194
1854-0476	159
1854-0477	123A
1854-0478	123A
1854-0490-1	181
1854-0496	128
1854-0514	188
1854-0518	284
1854-0519	284
1854-0527	128
1854-0534	163A
1854-0540	316
1854-0547	216
1854-0548	123AP
1854-0556	128
1854-0560	48
1854-0563	130
1854-0566	181
1854-0570	2347
1854-0572	283
1854-0575	287
1854-0576	181
1854-0577	388
1854-0580	278
1854-0581	253
1854-0583	47
1854-0585	184
1854-0586	377
1854-0589	181
1854-0590	384
1854-0591	65
1854-0593	392
1854-0594	390
1854-0596	377
1854-0597	77
1854-0600	331
1854-0611	243
1854-0617	283
1854-0618	245
1854-0621	396
1854-0623	283
1854-0624	283
1854-0625	331
1854-0626	253
1854-0628	229
1854-0633	253
1854-0634	188
1854-0635	377
1854-0637	123A
1854-0639	49
1854-0642	123AP
1854-0643	175
1854-0648	261
1854-0653	241
1854-0654	241
1854-0659	184
1854-0662	275
1854-0663	270
1854-0665	2310
1854-0667	128
1854-0669	247
1854-0670	261
1854-0671	251
1854-0679	29
1854-0687	216
1854-0691	47
1854-0697	29
1854-0698	274
1854-0700	270
1854-0701	261
1854-0705	165
1854-0707	249
1854-0715	328
1854-0716	65
1854-0723	161
1854-0727	291
1854-0730	123AP
1854-0733	284
1854-0737	379
1854-0738	384
1854-0741	327
1854-0743	284
1854-0746	327
1854-0748	2347
1854-0749	198
1854-0751	52
1854-0755	284
1854-0756	377
1854-0758	377
1854-0762	327
1854-0763	270
1854-0764	191
1854-0765	196
1854-0766	377
1854-0767	283
1854-0770	123AP
1854-0774	243
1854-0780	2311
1854-0784	311
1854-0785	316
1854-0786	123A
1854-0787	53
1854-0795	69
1854-0798	272
1854-0799	331
1854-0802	324
1854-0803	51
1854-0805	373
1854-0806	394
1854-0808	184
1854-0809	123A
1854-0817	188
1854-0819	331
1854-0827	379
1854-0828	261
1854-0831	123AP
1854-0832	123AP
1854-0836	188
1854-0837	152
1854-0838	198
1854-0839	379
1854-0840	2343
1854-0842	123A
1854-0845	2349
1854-0847	2303
1854-0860	54
1854-0866	123AP
1854-0868	278
1854-0871	53
1854-0872	377
1854-0877	188
1854-0880	270
1854-0881	152
1854-0883	123A
1854-0884	331
1854-0886	2345
1854-0887	2349
1854-0889	379
1854-0891	283
1854-0906	2311
1854-0917	196
1854-0920	54
1854-0940	53
1854-0941	389
1854-0948	97
1854-0964	165
1854-0969	238
1854-0970	2343
1854-0973	123AP
1854-0977	46
1854-0978	123AP
1854-0979	123AP
1854-0982	247
1854-0983	238
1854-0984	2319
1854-0985	270
1854-0986	2402
1854-0987	2406
1854-0988	324
1854-0989	60
1854-0993	69
1854-0994	316
1854-0997	128P
1854-0999	2347
1854-17	116
1854-1003	63
1854-1004	49
1854-1005	2300
1854-1006	379
1854-1007	77
1854-1010	81
1854-1014	2406
1854-1015	2319
1854-1018	385
1854-1019	2310
1854-1023	261
1854-1027	2402
1854-1028	123AP
1854-1035	81
1854-1036	76
1854-1037	2406
1854-1039	123AP
1854-1040	47
1854-1041	85
1854-1043	316
1854-1045	2402
1854-1051	284
1854-1052	2410
1854-1053	2406
1854-1055	2402
1854-1060	2319
1854-1061	123AP
1854-1062	324
1854-1063	316
1854-1064	128P
1854-1069	198
1854-1084	123AP
1854-1085	94
1854-1086	210
1854-1095	2406
1854-1101	2428
1854-1108	2402
1854-1110	123AP
1854-1112	85
1854-1113	36
1854-1115	373
1854-1117	2328
1854-1118	36
1854-1119	375
1854-1121	184
1854-1124	181
1854-1126	123AP
1854-1127	241
1854-1128	261
1854-1132	2408
1854-1133	388
1854-1134	51
1854-1136	85
1854-1139	69
1854-1140	69
1854-1141	216
1854-1145	327
1854-1147	384
1854-1157	2310
1854-1158	2324#
1854-1161	54
1854-1165	2315
1854-1166	2310
1854-1169	51
1854-1177	123AP
1854-1178	63
1854-1182	2311
1854-1183	2310
1854-1186	123AP
1854-1187	373
1854-1188	2406
1854-1200	2410
1854-1201	2402
1854-1202	46
1854-1203	2430
1854-1206	2428
1854-1207	47
1854-1217	2402
1854-1218	2428
1854-1227	123AP
1854-1231	2402
1854-SRK1-1	199
1855-0005	312
1855-0010	6401
1855-0027	6409§
1855-0040	312
1855-0055	312
1855-0081	312
1855-0099	6409§
1855-0204	6409§
1855-0305	312
1855-0306	220
1855-0314	6402§
1855-0327	312
1855-0332	312
1855-0357	220
1855-1(RCA)	1794
1855-17	116
1856-1(RCA)	1795
1858	101
1858-0004	906
1858-0019	917
1858-0023	916
1858A	139A
1859-14	121
1859-16	121
1859-17	312
1859R	116
1860(Scott)	289A
1865-1	160
1865-1-12	160
1865-1-127	160
1865-1L	160
1865-2	103A
1865-2-12	103A
1865-2L	103A
1865-2L8	103A
1865-4	101
1865-4-12	101
1865-4-127	101
1865-4L	101
1865-4L8	101
1865A	160
1865A-12	160
1865A-127	160
1865AL8	160
1865B	126A
1865B-12	126A
1865B-127	126A
1865BL	126A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
1865BL8	126A
1865C	121
1865C-12	121
1865C-127	121
1865CL	121
1865CL8	121
1866-1	102A
1866-1-12	102A
1866-1-127	102A
1866-1L	102A
1866-1L8	102A
1866-2	102A
1866-2-12	102A
1866-2-127	102A
1866-2L	102A
1866-2L8	102A
1866-3	102A
1866-3-12	102A
1866-3-127	102A
1866-3L	102A
1866-3L8	102A
1866-17	123A
1867-17	159
1872-006(RCA)	177
1872-008(RCA)	177
1872-010(RCA)	177
1872-024(RCA)	177
1872-1(RCA)	177
1872-2(RCA)	177
1872-3	177
1872-3(RCA)	177
1872-4(RCA)	177
1872-5(RCA)	177
1872-6	177
1872-6(RCA)	177
1872-7(RCA)	177
1872-8(RCA)	177
1872-10(RCA)	177
1872-11(RCA)	109
1872-12(RCA)	177
1872-13(RCA)	177
1872-14(RCA)	177
1872-15(RCA)	109
1872-16(RCA)	177
1872-17(RCA)	109
1872-18(RCA)	177
1872-19(RCA)	109
1872-24(RCA)	177
1872-29(RCA)	177
1874-3	100
1874-3-12	100
1874-3-127	100
1874-3L	100
1874-3L8	100
1877A	105
1877A-12	105
1877A-127	105
1877AL	105
1877AL8	105
1877B	121MP
1877B-12	121MP
1877B-127	121MP
1877BL	121MP
1877BL8	121MP
1877C	121MP
1877C-12	121MP
1877C-127	121MP
1877CL	121MP
1877CL8	121MP
1878-3(RCA)	137A
1879-17	123A
1879-17A	128
1880-17	108
1881-17	108
1882-17	123A
1883-17	123A
1884-0002	5524
1884-0010	5483§
1884-0015	5524
1884-0016	5527
1884-0022	5485§
1884-0027	5481§
1884-0028	5483§
1884-0051	5504
1884-0066	160
1884-0074	5400
1884-0080	5695
1884-0082	5442
1884-0088	5511
1884-0091	6404
1884-0201	5401
1884-0209	5695
1884-0211	5529
1884-0213	5442
1884-0218	5697
1884-0219	5547
1884-0967	331
1884-17	123A
1884A	121
1884A-12	121
1884A-127	121
1884AL	121
1884AL8	121
1885-1(RCA)	1797
1885-17	154
1885-17(Rect.)	116
1888B	160
1888B-12	160
1888B-127	160
1888BL	160
1888BL8	160
1888C	100
1888C-12	100
1888C-127	100
1888CL	100
1888CL8	100
1889-17	129
1890-17	108
1892-1	105
1892-1-12	105
1892-1-127	105
1892-1L	105
1892-1L8	105
1893-17	123A
1898-019(RCA)	5015A
1898-3(RCA)	137A
1898-4(RCA)	149A
1898-5(RCA)	136A
1898-7(RCA)	143A
1898-8(RCA)	140A
1898-14(RCA)	5037A
1898-19(RCA)	5015A
1900-0004	109
1900-0005	112
1900-0006	5077A
1900-0009	5071A
1900-0020	109
1901-0002	5874
1901-0005	116
1901-0028	5804
1901-0032	5944
1901-0036	5804
1901-0045	5802
1901-0048	5944
1901-0057	5834
1901-0058	177
1901-0059	177
1901-0060	5834
1901-0061	5070A
1901-0062	116
1901-0071	177
1901-0129	116
1901-0132	177
1901-0151	5868
1901-0164	5802
1901-0305	5990
1901-0306	5991
1901-0307	6154
1901-0308	6155
1901-0309	5862
1901-0310	5986
1901-0312	6354
1901-0314	5882
1901-0316	5981
1901-0317	5982
1901-0318	5987
1901-0319	5987
1901-0320	5988
1901-0321	5989
1901-0332	6154
1901-0333	6354
1901-0334	6354
1901-0335	6354
1901-0338	6354
1901-0346	5945
1901-0383	5850
1901-0388	5804
1901-0389	5804
1901-0396	5854
1901-0409	5800
1901-0410	5801
1901-0412	5804
1901-0414	5806
1901-0421	5940
1901-0422	5948
1901-0423	5948
1901-0425	116
1901-0491	5808
1901-0492	5808
1901-0493	5809
1901-0494	5809
1901-0536	6155
1901-0557	905
1901-0578	5893
1901-0655	6155
1901-0678	5869
1901-0684	5868
1901-0693	506
1901-1011	907
1901-1052	519
1901-1058	5986
1901-1065	506
1902-0003	5071A
1902-0011	137A
1902-0018	141A
1902-0028	5212A
1902-0030	5080A
1902-0033	137A
1902-0035	5223A
1902-0039	5197A
1902-0088	5217A
1902-0089	5219A
1902-0094	5209A
1902-0095	5005A
1902-0105	5009A
1902-0156	5198A
1902-0166	5198A
1902-0178	5219AK
1902-0183	5208A
1902-0193	5090A
1902-0205	5036A
1902-0245	5071A
1902-0246	5074A
1902-0315	5980
1902-0509	137A
1902-0522	5118A
1902-0549	5143A
1902-0569	141A
1902-0625	137A
1902-0630	136A
1902-0631	5129A
1902-0632	5183A
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2057A2-305	107
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2057A2-334	199
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2057A2-390	123A
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2057A2-393	108
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2057A2-395	107
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2057A2-404	199
2057A2-405	199
2057A2-406	159
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2057A2-457	159
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2057A2-478	229
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2057A2-484	293
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2057A2-560	199
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2057A100-18	103A + 158(CP)
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2057A100-30	103A + 102A(CP)
2057A100-34	158
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2057B0-3	103A + 102A(CP)
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When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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2169-209-1105	116
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2169-403-1105	5021A
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2169-403-5600	5013A
2169-403-7503	5021A
2169-403-7707	5025A
2169-404-0103	5015A
2169-404-0307	5074A
2169-404-1807	5013A
2169-404-1904	5015A
2169-404-4006	5010A
2169-406-4808	519
2169-408-0600	5021A
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2222A	128P
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3508(Wards)	108
3509	108
3509(Sears)	123A
3509(Wards)	123A
3510(RCA)	123A
3510(Sears)	108
3510(Wards)	108
3511	108
3511(Sears)	312
3511(Wards)	312
3512	121
3512(RCA)	312
3512(Sears)	312
3512(Wards)	312
3513	159
3513(RCA)	123A
3513(Sears)	159
3513(Wards)	159
3514	121
3514-1(RCA)	127
3514(RCA)	127
3514(Sears)	107
3514(Wards)	123A
3515(RCA)	121
3516	121
3516-1(RCA)	159
3516(RCA)	159
3516(Wards)	108
3517	102A
3518(RCA)	161
3519	123AP
3519-1	123AP
3519-1(RCA)	123AP
3519(RCA)	123AP
3520	124
3520(RCA)	124
3520(WARDS)	142A
3521-1(RCA)	108
3521(SEARS)	123A
3522(SEARS)	159
3523(RCA)	129
3523(SEARS)	123A
3524	108
3524-1	108
3524-1(RCA)	108
3524-2	108
3524-2(RCA)	108
3524(RCA)	229
3524(SEARS)	159
3525(RCA)	123A
3525(SEARS)	185
3526	123AP
3526-1	123AP
3526-1(RCA)	123AP
3526(RCA)	123AP
3526(SEARS)	184
3527	107
3527-1	107
3527-1(RCA)	108
3527(RCA)	108
3528-1	785§
3528-1(RCA)	785§
3528-2	785§
3528-2(RCA)	785§
3528(RAM)	2128
3529	116
3529A	156
3529B	156
3529C	156
3530	108
3530-1	108
3530-1(RCA)	108
3530-2	108
3530-2(RCA)	108
3530-3	108
3530(RCA)	108
3531-021-00000	7413
3531-022-000	74190
3531-023-000	74141
3531-030-000	788
3531-031-000	720
3531-033-000	1111§
3532	123AP
3532-1	123AP
3532(RCA)	123AP
3533	722
3533-1	129
3533-1(RCA)	159
3533(RCA)	129
3534(RCA)	160
3535	319P
3535-1	319P
3535-1(RCA)	319P
3535-110-50008	804
3535-110-50009	804
3535(RCA)	319P
3536	123AP
3536-1	123AP
3536-2	123AP
3536(RCA)	123AP
3537	233
3537-1	233
3537-1(RCA)	233
3537(RCA)	233
3538	123AP
3538-1	123AP
3538-1(RCA)	123AP
3538-7	230
3538-8	231
3538(RCA)	123AP
3539	123AP
3539-1	123AP
3539-1(RCA)	123AP
3539-2DC	3539
3539-2PC	3539
3539-307-001	108
3539-307-002	108
3539(RAM)	3539
3539(RCA)	123AP
3539CN-4A	3539
3539DC	3539
3539PC	3539
3539UCC	3539
3539UDC	3539
3539UPC	3539
3540	159
3540-1	159
3540-1(GE)	159
3540-1(RCA)	159
3540(RCA)	159
3541	123AP
3541-1	123AP
3541-1(RCA)	123AP
3541(RCA)	123AP
3543	123AP
3543-1	123AP
3543-1(RCA)	123AP
3543(RCA)	123A
3544	102A
3544-1	123AP
3544-1(RCA)	123AP
3544(RCA)	123AP
3545	128
3545(RCA)	154
3546	123AP
3546-1	123AP
3546-1(RCA)	123AP
3546-2(RCA)	123A
3546(RCA)	123A
3547	128
3547(RCA)	225
3548	123AP
3548-1	123AP
3548-1(RCA)	123AP
3548(RCA)	123A
3549	159
3549-1(RCA)	159
3549-2(RCA)	159
3549(RCA)	159
3551	126A
3551-1(RCA)	123AP
3551(RCA)	123AP
3551A	126A
3551A BLU	126A
3551A GRN	126A
3551A(RCA)	123A
3551A-BLU	126A
3551A-GRN	126A
3552	225
3552-1(RCA)	154
3552(RCA)	154
3553	225
3553-1(RCA)	154
3553-3	128
3553(RCA)	128
3554	123AP
3554-1	123AP
3554-1(RCA)	123AP
3554(RCA)	123AP
3555	128
3555-01	5547
3555-02	5547
3555-03	5547
3555-1(RCA)	128
3555-3	128
3555(RCA)	128
3556	123AP
3556-1	123AP
3556-1(RCA)	123AP
3556(RCA)	123AP
3558	123AP
3558-1(RCA)	222
3558(RCA)	123AP
3559	159
3559-1	159
3559(RCA)	159
3560	123AP
3560-1(RCA)	123AP
3560-2	123AP
3560-2(RCA)	123AP
3560(RCA)	123AP
3561	123AP
3561-1(GE)	128
3561-1(RCA)	123AP
3561(RCA)	123AP
3562	159
3562-1(RCA)	159
3562(RCA)	159
3563	159
3563-1(RCA)	159
3563(PACE)	229
3563(RCA)	159
3564-1(RCA)	162
3564(RCA)	162
3565	123AP
3565-1(RCA)	123AP
3565(RCA)	123AP
3566	123AP
3566-1	123AP
3566-1(RCA)	123AP
3566(RCA)	128
3567	427/128
3567-1	427/128
3567-1(RCA)	427/128
3567-2(RCA)	184
3567-4(RCA)	152
3567(RCA)	124
3568-1(RCA)	229
3568(RCA)	229
3568(Wards)	108
3569	161
3569-1(RCA)	123AP
3569(RCA)	123AP
3570	159
3570-1	159
3570-1(RCA)	159
3570(RCA)	159
3570P	159
3571-1	123AP
3571(RCA)	123AP
3571R	123A
3572-1(RCA)	123AP
3572-2(RCA)	123AP
3572-3	108
3572-3(RCA)	123AP
3572(RCA)	123AP
3572L(Trans)	379#
3572M(Trans)	379#
3574	159
3574-1	159
3574-1(RCA)	159
3574(RCA)	159
3576	233
3576-1(RCA)	233
3576(RCA)	233
3577-1	123AP
3577(RCA)	123AP
3578-1	102A
3579	108
3579-1(RCA)	108
3579(RCA)	108
3581	159
3581(RCA)	159
3582	225
3582-1	128
3582-1(RCA)	128
3582(RCA)	154
3583	5804
3583(RCA)	127
3584	124
3584(RCA)	127
3585-1	230
3585-2	230
3585-3	230
3585-4	230
3585-5	230
3585-6	231
3585-6(RCA)	231
3585-7	230
3585-8	231
3586-2(RCA)	123AP
3586(RCA)	123AP
3588	222
3588-1(RCA)	222
3588-2(RCA)	222
3588(RCA)	222
3589	123A
3590	159
3590-1(RCA)	159
3591	128
3592(RCA)	129
3597	159
3597-1	159
3597-1(RCA)	159
3597-2	159
3598-2(RCA)	102A
3598(RCA)	102A
3599-1(RCA)	159
3600	102
3601	123AP
3601-1	123AP
3601-2	123AP
3601(RCA)	123AP
3603-1(RCA)	123AP
3603(RCA)	123AP
3604-1(RCA)	172A
3604-3(RCA)	172A
3604(RCA)	172A
3606-1(RCA)	108
3607	101
3608-1(RCA)	128
3608-2(J.C.Penney)	128
3608-2(RCA)	128
3608-3(RCA)	128
3608(RCA)	128
3609	101
3610-1(RCA)	229
3610(RCA)	108
3611-1(RCA)	152
3612-1(RCA)	152
3612(RCA)	152
3613	191
3613-2(GE)	191
3613-2(RCA)	191
3613-3	191
3613-3(RCA)	191
3613-4(RCA)	191
3613-5(RCA)	154
3613(RCA)	191
3614-1	123AP
3614-2(RCA)	123AP
3614-3	123AP
3614-3(RCA)	123AP
3615-1(RCA)	123AP
3615(RCA)	123AP
3616-1(RCA)	159
3617-1	108
3618	222
3618-1	222
3618-1(RCA)	222
3618-2(RCA)	222
3618(RCA)	222
3619-1	5642
3619-2(RCA)	5642
3619-3(RCA)	5642
3620-1	159
3620-2(RCA)	159
3620(RCA)	159
3621-1(RCA)	152
3621(RCA)	152
3622-1	128
3622-2(RCA)	128
3622(RCA)	128
3623-1(RCA)	152
3624-1(RCA)	185
3624-2(RCA)	185
3625-1	123AP
3625(RCA)	123AP
3626	123AP
3626-1	123AP
3626-1(RCA)	123AP
3627	159
3627-1	159
3627(RCA)	159
3628-2(RCA)	171
3628-3	188
3629-3	189
3631	194
3631-1	194
3631-1(RCA)	194
3631(RCA)	194
3632-1	196
3632-2(RCA)	196
3632-3	196
3632-3(RCA)	196
3633-1	171
3633-1(GE)	171
3633-1(RCA)	171
3634-1	165
3634.0011	123A
3634.2011	159
3635-1	222
3635-1(RCA)	222
3635-2(RCA)	222
3635(RCA)	222
3636	152
3636-1(RCA)	152
3637-1(RCA)	162
3637(RCA)	162
3638-1	218
3638A	159
3638A632	159
3640-1(RCA)	196
3640(RCA)	196
3641-1(RCA)	536A
3641-2(RCA)	536A
3646-2(RCA)	108
3647-1	165
3648-1(RCA)	127
3648(RCA)	127
3649-1	165
3651-1(RCA)	395
3652-2	229
3656-1	373
3656-2	373
3656-4	373
3657-1	229
3657-2	229
3662-2	165
3665-2	162
3666-1(RCA)	159
3666(RCA)	159
3669	165
3669-1(RCA)	163A
3669-2(RCA)	165
3676	233
3676-1(RCA)	229
3676(RCA)	233
3677-1	780
3677-1(RCA)	780
3677-2	780
3677-2(RCA)	780
3677-3	780
3677-3(RCA)	780
3677(RCA)	780
3679	191
3679-1	194
3680	319P
3680-1	319P
3680-2(RCA)	319P
3680-3(CEB-RCA)	229
3681-1	904
3681-1(RCA)	152
3682-1	185
3682(RCA)	185
3683-1	162
3683-2	130
3686-1	712
3686-1(RCA)	222
3686(RCA)	222
3687	154
3687-1	154
3688-1	5404
3693(Arvine)	108
3697-1	159
3700-153	116
3701	137A
3702	137A
3703	137A
3704	137A
3706	123A
3714H1	130
3714H1A	130
3721	175
3735	6354
3740R	6357
3742	188
3746-00	129
3746-01	129
3750	160
3755-1	5014A
3755-2	5014A
3771	181
3772-1	181
3772-2	181
3777-2(RCA)	145A
3784B	450A
3793	5547
3803-8022	238
3819(RCA)	312
3843	152
3843(Harmon Kardon)	130
3843(Sears)	196
3844(Harmon Kardon)	128
3851	126A
3852	100
3867	123A
3868	195A
3878	154
3880(MPU)	3880
3881	161
3881(PIO)	3881
3882(CTC)	3882
3888A-D13	5014A
3900N	992
3907	102
3907(2N404A)	126A
3915-101-09960	130
3922-816-25320	109
3922-816-27090	5305
3944-00951	1277
3961	126A
3961(G.E.)	160
3970	100
3970(G.E.)	102A
3970CL	102A
3980-002	175
3991-303-112	785§
3999	123A
4000	4000
4001	4001B
4001-151	125
4001-222	160
4001-223	160
4001-224	102A
4001-225	102A
4001-226	102A
4001-228	190
4001-230	109
4001(E F Johnson)	329
4001(IC)	1001§
4001(Magnavox)	177
4001(Module)	1001§
4001(Transistor)	154
4001B	154
4001BPC	4001B
4002	4002B
4002(PACE)	123A
4002(Penncrest)	123A
4002(SEARS)	109
4002A	4002B
4002BDC	4002B
4002BPC	4002B
4003(SEARS)	109
4003(TRANSISTOR)	123A
4003E	123A
4004	195A
4004(E F JOHNSON)	329
4004(Penncrest)	102A
4004(Sears)	195A
4004(SEARS)	109
4005(CB)	195A
4005(E F J0hnson)	195A
4005(SEARS)	109
4006	4006B
4006(E.F.Johnson)	128
4006(SEARS)	109
4006(Zener)	137A
4006B	4006B
4006BDC	4006B
4006BPC	4006B
4007	195A
4007(SEARS)	109
4007B	4007
4007UBDC	4007
4007UBPC	4007
4008-102-70051	109
4008-102-70120	130
4008(E F Johnson)	311
4008(E.F.Johnson)	128
4008(SEARS)	109
4008B	4008B
4008BPC	4008B
4008C	311
4008DC	4008B
4009	195A
4009(Penncrest)	158
4009(SEARS)	109
4010	123A
4010-2(Fisher)	123AP
4010(E.F.Johnson)	108
4010(Penncrest)	109
4010(SEARS)	109
4011	4011B
4011(E.F.Johnson)	195A
4011(IC)	4011B
4011(Penncrest)	177
4011(SEARS)	109
4011(Transistor)	195A
4011A	4011B
4011B	4011B
4011BDC	4011B
4011BP	4011B
4011BPC	4011B
4011DC	4011B
4011PC	4011B
4011-PC	4011B
4012(E.F.Johnson)	195A
4012(SEARS)	109
4012A	4012B
4012BDC	4012B
4012BPC	4012B
4013	159
4013(E.F.Johnson)	195A
4013(Rectifier)	116
4013(VISCOUNT)	4013B
4013B(IC)	4013B
4013BDC	4013B
4013BPC	4013B
4014	116
4014-000-10160	102A
4014-200-30110	177
4014BDC	4014B
4014BPC	4014B
4015BDC	4015B
4015BPC	4015B
4016	4016B
4016(RAM)	2128
4016(VISCOUNT)	4016B
4016BDC	4016B
4016BPC	4016B
4017BDC	4017B
4017BPC	4017B
4018	4018B
4018B	4018B
4018BDC	4018B
4018BPC	4018B
4019BDC	4019B
4019BPC	4019B
4020	785§
4020BDC	4020B
4020BPC	4020B
4021	123A
4021BDC	4021B
4021PDC	4021B
4022-105-00240	123AP
4022-193-00310	123AP
4022-864-17640	109
4022-867-25770	109
4022B	4022B
4022BDC	4022B
4022BPC	4022B
4023A	4023B
4023BDC	4023B
4023BPC	4023B
4024BDC	4024B
4024BPC	4024B
4025	4025B
4025A	4025B
4025BDC	4025B
4025BPC	4025B
4027-3F	2104
4027-3N	2104
4027-4F	2104
4027-4N	2104
4027(RAM)	2104
4027B	4027B
4027BDC	4027B
4027BPC	4027B
4028	4028B
4028BDC	4028B
4028BPC	4028B
4028DC	4028B
4028PC	4028B
4029	4029B
4029BDC	4029B
4029BPC	4029B
4030BDC	4030B
4030BPC	4030B
4031BDC	4031B
4031BPC	4031B
4031P	1010
4032-814-16420	123AP
4032P	1011§
4032P-8M4	1011§
4033(RAM)	2102
4034	4034B
4034(RAM)	2102
4034B	4034B
4034BDC	4034B
4034BPC	4034B
4035(RCA)	190
4035B	4035B
4035BDC	4035B
4035BPC	4035B
4036	129/400
4039-00	199
4039-01	199
4040BDC	4040B
4040BPC	4040B
4041-000-1018	109
4041-000-10150	116
4041-000-10160	102A
4041-000-20120	102A
4041-000-30180	102A
4041-000-40270	107
4041-000-40300	107
4041-000-60170	107
4041-000-60200	107
4041-000-80100	126A
4041-200-10180	109
4041-200-40100	109
4041BDC	4041
4041BPC	4041
4042BDC	4042B
4042BPC	4042B
4043	4043B
4043B	4043B
4043BDC	4043B
4043BFC	4043B
4044	4044B
4044B	4044B
4044BDC	4044B
4044BPC	4044B
4045(RAM)	2114
4045BDC	4045B
4045BPC	4045B
4046(Sears)	123A
4046BDC	4046B
4046BPC	4046B
4046DC	4046B
4046PC	4046B
4047BDC	4047B
4047BPC	4047B
4049	4049
4049BDC	4049
4049BPC	4049
4050	755
4050BDC	4050B
4050BPC	4050B
4051-300-10150	116
4051BDC	4051B
4051BPC	4051B
4051P(IC)	1150
4052(IC)	4052B
4052BDC	4052B
4052BPC	4052B
4053	4053B
4053B	4053B
4053BDC	4053B
4053BPC	4053B
4057	123A
4060	4060B
4060(RAM)	2107
4060B	4060B
4063	4063B
4063B	4063B
4066AB	4066B
4066B	4066B
4066BDC	4066B
4066PDC	4066B
4067BDC	4067B
4067BPC	4067B
4068BDC	4068B
4068BP	4068B
4068BPC	4068B
4069(VISCOUNT)	4069
4069UBDC	4069
4069UBPC	4069
4070BDC	4070B
4070BPC	4070B
4071BDC	4071B
4071BPC	4071B
4072	4072B
4072B	4072B
4072BPC	4072B
4072DC	4072B
4073	4073B
4073B	4073B
4073BDC	4073B
4073BPC	4073B
4075	4075B
4075B	4075B
4075BDC	4075B
4075BPC	4075B
4076	4076B
4076(Johnson)	341
4076B	4076B
4076BDC	4076B
4076DC	4076B
4076PC	4076B
4076PDC	4077B
4077BDC	4077B
4077BPC	4077B
4078BDC	4078B
4078BPC	4078B
4078DC	4078B
4078PC	4078B
4080-187-0507	128
4080-838-0001	175
4080-838-2	175
4080-838-3	175
4080-866-0006	196
4080-866-1	175
4080-866-2	175
4080-879-0001	196
4081B(IC)	4081B
4081BDC	4081B
4081BPC	4081B
4082	4082B
4082-501-0001	121
4082-748-0002	136A
4082B	4082B
4082BDC	4082B
4082BPC	4082B
4085	123A
4085BDC	4085B
4085BPC	4085B
4086	159
4086BDC	4086B
4086BPC	4086B
4087	159
4093	4093B
4093BDC	4093B
4093PDC	4093B
4096(RAM)	2104
4098B	4098B
4098B	4098B
4099A	189
4101-685	116
4102(RAM)	2102
4104	329
4104P1(GE)	339
4116(RAM)	2117
4117-1	949
4117-2	949
4120I00600	109
4124	5257A
4125	5259A
4126(E.F.Johnson)	159
4126(Transistor)	159
4126(Zener)	5260A
4127	5262A
4128	5263A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
4129	5265A
4130	5266A
4131	5268A
4132	5269A
4133	5270A
4134	5271A
4135	5272A
4136	5274A
4136CP	997
4137	5276A
4138	5278A
4140	5281A
4141	5282A
4142	5283A
4143	5284A
4144	5285A
4145(Rectifier)	6156
4145(Zener)	5287A
4146	5288A
4146A	8063
4146A1	8063
4148	5291A
4149	5292A
4150	5294A
4150-01	123A
4151	5296A
4151-01	159
4158A	8070
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4822-130-30798	116
4822-130-30799	125
4822-130-30802	5021T1
4822-130-30803	116
4822-130-30805	5010T1
4822-130-30806	5038A
4822-130-30813	110MP
4822-130-30821	552
4822-130-30822	116
4822-130-30823	580
4822-130-30828	116
4822-130-30829	116
4822-130-30831	519
4822-130-30834	5003A
4822-130-30835	519
4822-130-30836	519
4822-130-30839	552
4822-130-30841	519
4822-130-30842	177
4822-130-30843	600
4822-130-30845	610
4822-130-30846	109
4822-130-30847	519
4822-130-30848	519

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
4822-130-30849	5812
4822-130-30852	519
4822-130-30853	3020
4822-130-30855	3020
4822-130-30857	177
4822-130-30859	5013T1
4822-130-30862	5018A
4822-130-30865	581
4822-130-30868	552
4822-130-30869	110MP
4822-130-30871	519
4822-130-30872	116
4822-130-30873	581
4822-130-30874	580
4822-130-30875	558
4822-130-30876	552
4822-130-30877	580
4822-130-30878	5135A◆
4822-130-30881	613
4822-130-30882	116
4822-130-30883	5304
4822-130-30884	109
4822-130-30885	3020
4822-130-30887	610
4822-130-30888	116
4822-130-30889	5016A
4822-130-30891	116
4822-130-30893	519
4822-130-30895	581◆
4822-130-30897	116
4822-130-30898	125
4822-130-30901	5010T1
4822-130-30902	177
4822-130-30907	5018A
4822-130-30911	5125A◆
4822-130-30912	3022
4822-130-30913	611
4822-130-30914	3007
4822-130-30915	3020
4822-130-30918	3010
4822-130-30919	125
4822-130-30922	3020
4822-130-30923	3010
4822-130-30924	3008
4822-130-30926	3025
4822-130-30927	3020
4822-130-30932	614◆
4822-130-30934	3010
4822-130-30936	3007
4822-130-30937	3010
4822-130-30939	4928
4822-130-30951	3079
4822-130-30952	3079
4822-130-30954	3074
4822-130-30955	3011
4822-130-30956	558
4822-130-30957	5812
4822-130-30959	615A
4822-130-30963	3010
4822-130-30971	610
4822-130-30972	5074A
4822-130-30973	5220A
4822-130-30978	116
4822-130-30983	552
4822-130-30984	5313
4822-130-30985	3007
4822-130-30988	612
4822-130-30989	615A
4822-130-30991	5023A
4822-130-30992	611
4822-130-30994	143A
4822-130-31001	5312
4822-130-31003	5304
4822-130-31004	125
4822-130-31005	5050A
4822-130-31007	5313
4822-130-31008	3007
4822-130-31011	519
4822-130-31012	109
4822-130-31013	3077
4822-130-31016	3010
4822-130-31017	552
4822-130-31018	519
4822-130-31019	552
4822-130-31024	5077A
4822-130-31025	116
4822-130-31027	3007
4822-130-31028	605A
4822-130-31031	177
4822-130-31032	109
4822-130-31033	552
4822-130-31034	552
4822-130-31035	5072A
4822-130-31038	142A
4822-130-31041	136A
4822-130-31042	109
4822-130-31043	178MP
4822-130-31046	116
4822-130-31047	116
4822-130-31051	558
4822-130-31053	110MP
4822-130-31055	610
4822-130-31056	5021T1
4822-130-31059	125
4822-130-31062	116
4822-130-31063	177
4822-130-31064	177
4822-130-31066	5342
4822-130-31069	5018A
4822-130-31071	519
4822-130-31072	519
4822-130-31073	116
4822-130-31074	116
4822-130-31075	109
4822-130-31077	110MP
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4822-130-31082	580◆
4822-130-31085	3057
4822-130-31087	552
4822-130-31088	116
4822-130-31089	5023A
4822-130-31096	5021A
4822-130-31097	5031A
4822-130-31108	3004
4822-130-31109	3007
4822-130-31111	5012A
4822-130-31114	116
4822-130-31116	601
4822-130-31118	553
4822-130-31124	156
4822-130-31168	552
4822-130-31173	525
4822-130-31174	116
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4822-130-31393	552
4822-130-31438	116
4822-130-31456	135A
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4822-130-31878	116
4822-130-31933	125
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4822-130-32148	558
4822-130-32213	588
4822-130-32245	585
4822-130-32366	5011A
4822-130-32472	3010
4822-130-32478	5014A
4822-130-32574	519
4822-130-32699	5022A
4822-130-32778	519
4822-130-33305	519
4822-130-33861	519
4822-130-34026	616
4822-130-34048	607
4822-130-34049	606
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4822-130-34142	5036A
4822-130-34145	5038A
4822-130-34167	5013T1
4822-130-34173	5011T1
4822-130-34174	5009A
4822-130-34195	5022A
4822-130-34197	5021T1
4822-130-34233	5010T1
4822-130-34278	5014A
4822-130-34281	5024A
4822-130-34297	5019T1
4822-130-34379	5002A
4822-130-34382	5016A
4822-130-34398	5081A
4822-130-34685	5046A
4822-130-40052	160
4822-130-40061	123AP
4822-130-40077	160
4822-130-40083	160
4822-130-40084	199
4822-130-40095	158
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4822-130-40132	130
4822-130-40135	130
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4822-130-40144	199
4822-130-40145	123AP
4822-130-40167	159
4822-130-40182	519
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4822-130-40185	159
4822-130-40195	159
4822-130-40196	165
4822-130-40212	155
4822-130-40213	131
4822-130-40214	123AP
4822-130-40215	123AP
4822-130-40216	199
4822-130-40229	109
4822-130-40233	104
4822-130-40235	102A
4822-130-40236	102A
4822-130-40239	199
4822-130-40246	160
4822-130-40249	126A
4822-130-40252	160
4822-130-40253	160
4822-130-40255	160
4822-130-40256	519
4822-130-40292	154
4822-130-40299	154
4822-130-40303	229
4822-130-40304	229
4822-130-40308	108
4822-130-40309	123AP
4822-130-40311	123AP
4822-130-40312	123AP
4822-130-40313	123A
4822-130-40314	103A
4822-130-40315	159
4822-130-40317	123AP
4822-130-40318	123AP
4822-130-40319	103A + 158(CP)
4822-130-40328	126A
4822-130-40329	103A + 102A(CP)
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4822-130-40332	123AP
4822-130-40333	123AP
4822-130-40335	160
4822-130-40336	160
4822-130-40337	160
4822-130-40343	123AP
4822-130-40344	123AP
4822-130-40345	160
4822-130-40348	159
4822-130-40352	158
4822-130-40353	159
4822-130-40354	159
4822-130-40355	159
4822-130-40356	128
4822-130-40357	123AP
4822-130-40358	161
4822-130-40359	154
4822-130-40361	199
4822-130-40362	229
4822-130-40367	159
4822-130-40368	199
4822-130-40369	159
4822-130-40376	229
4822-130-40382	103A + 102A(CP)
4822-130-40384	160
4822-130-40385	160
4822-130-40391	199
4822-130-40392	158
4822-130-40405	102A
4822-130-40406	103A + 102A(CP)
4822-130-40428	158
4822-130-40429	159
4822-130-40437	160
4822-130-40441	160
4822-130-40445	85◆
4822-130-40449	130
4822-130-40453	154
4822-130-40454	161
4822-130-40456	158
4822-130-40457	154
4822-130-40459	229
4822-130-40461	229
4822-130-40474	103A
4822-130-40476	159
4822-130-40477	159
4822-130-40492	161
4822-130-40508	106
4822-130-40514	85◆
4822-130-40515	199
4822-130-40522	159
4822-130-40523	158
4822-130-40524	130
4822-130-40525	159
4822-130-40527	159
4822-130-40531	616
4822-130-40536	165
4822-130-40537	184
4822-130-40614	159
4822-130-40615	290A◆
4822-130-40617	130MP
4822-130-40635	160
4822-130-40637	130MP
4822-130-40645	373
4822-130-40648	131MP
4822-130-40657	229
4822-130-40661	154
4822-130-40664	373
4822-130-40665	374
4822-130-40679	159
4822-130-40701	160
4822-130-40704	374 + 373(CP)
4822-130-40708	199(2)
4822-130-40712	374
4822-130-40716	159
4822-130-40718	159
4822-130-40732	123AP
4822-130-40739	229
4822-130-40741	229
4822-130-40756	229
4822-130-40758	123AP
4822-130-40759	123AP
4822-130-40762	323
4822-130-40764	127
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4822-130-40782	154
4822-130-40784	123AP
4822-130-40785	123AP
4822-130-40786	123AP
4822-130-40804	102A
4822-130-40806	199
4822-130-40807	159
4822-130-40808	229
4822-130-40811	229
4822-130-40813	123AP
4822-130-40816	229
4822-130-40817	123AP
4822-130-40819	126A
4822-130-40822	159
4822-130-40823	373
4822-130-40824	374
4822-130-40825	323
4822-130-40835	123AP
4822-130-40838	123AP
4822-130-40844	229
4822-130-40845	229
4822-130-40849	374 + 373(CP)
4822-130-40853	130MP
4822-130-40854	159
4822-130-40855	123AP
4822-130-40857	185
4822-130-40858	283
4822-130-40859	288
4822-130-40861	2347
4822-130-40862	323
4822-130-40864	158
4822-130-40866	374 + 373(CP)
4822-130-40872	123AP
4822-130-40873	130MP
4822-130-40874	229
4822-130-40876	199
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4822-130-40882	123AP
4822-130-40883	123AP
4822-130-40884	199
4822-130-40887	184
4822-130-40888	185
4822-130-40889	229
4822-130-40891	159
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4822-130-40895	229
4822-130-40896	123AP
4822-130-40897	159
4822-130-40898	229
4822-130-40901	199
4822-130-40902	229
4822-130-40903	197
4822-130-40905	130MP
4822-130-40906	123AP
4822-130-40907	123AP
4822-130-40908	154
4822-130-40909	159
4822-130-40911	159
4822-130-40912	283
4822-130-40918	184
4822-130-40919	184
4822-130-40921	185
4822-130-40923	102A
4822-130-40924	159
4822-130-40925	123AP
4822-130-40926	159
4822-130-40927	159
4822-130-40928	199
4822-130-40929	229
4822-130-40932	289A
4822-130-40934	290A
4822-130-40935	199
4822-130-40936	123AP
4822-130-40937	123AP
4822-130-40938	123AP
4822-130-40939	199
4822-130-40941	159
4822-130-40942	159MCP
4822-130-40943	332MCP
4822-130-40945	229
4822-130-40946	159MCP
4822-130-40947	229
4822-130-40948	123AP
4822-130-40951	161
4822-130-40952	229
4822-130-40953	123AP
4822-130-40955	229
4822-130-40956	130
4822-130-40957	159
4822-130-40958	123AP
4822-130-40959	123AP
4822-130-40961	123AP
4822-130-40962	159
4822-130-40963	159
4822-130-40964	123AP
4822-130-40965	123AP
4822-130-40966	159
4822-130-40968	287
4822-130-40969	154
4822-130-40971	165
4822-130-40972	185
4822-130-40973	159
4822-130-40976	454§
4822-130-40978	153MCP
4822-130-40979	159
4822-130-40981	123AP
4822-130-40982	152
4822-130-40983	153
4822-130-40984	389
4822-130-40985	94
4822-130-40986	331
4822-130-40987	332
4822-130-40988	298
4822-130-40989	159
4822-130-40991	123AP
4822-130-40992	159
4822-130-40993	159
4822-130-40994	123AP
4822-130-40995	185
4822-130-40996	165
4822-130-40997	247
4822-130-40998	248
4822-130-40999	159
4822-130-41001	123AP
4822-130-41002	263
4822-130-41003	262
4822-130-41005	130
4822-130-41006	374 + 373(CP)
4822-130-41011	229
4822-130-41012	229
4822-130-41013	123AP
4822-130-41014	229
4822-130-41017	185MCP
4822-130-41018	185 + 184(CP)
4822-130-41019	123AP
4822-130-41021	283
4822-130-41023	123AP
4822-130-41024	312
4822-130-41025	229
4822-130-41026	185
4822-130-41027	253 + 254(CP)
4822-130-41028	186A
4822-130-41031	248
4822-130-41032	165
4822-130-41034	165
4822-130-41035	323
4822-130-41036	245
4822-130-41037	263 + 264(CP)
4822-130-41038	332MCP
4822-130-41039	130MP
4822-130-41041	382
4822-130-41042	263
4822-130-41044	263 + 264(CP)
4822-130-41045	263 + 264(CP)
4822-130-41047	165
4822-130-41048	185
4822-130-41049	373
4822-130-41051	165
4822-130-41052	159
4822-130-41053	382
4822-130-41055	165
4822-130-41056	383 + 382(CP)
4822-130-41057	248 + 247(CP)
4822-130-41058	383 + 382(CP)
4822-130-41059	3032
4822-130-41062	176
4822-130-41063	85
4822-130-41065	312
4822-130-41066	312
4822-130-41067	123AP
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4822-130-41071	103A
4822-130-41072	158
4822-130-41073	331
4822-130-41074	332
4822-130-41075	185MCP
4822-130-41076	153MCP
4822-130-41077	130
4822-130-41078	383
4822-130-41079	294 + 293(CP)
4822-130-41082	284
4822-130-41083	285
4822-130-41084	287
4822-130-41085	379
4822-130-41086	184
4822-130-41087	383
4822-130-41089	284MP
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4822-130-41092	184
4822-130-41093	185MCP
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4822-130-41099	108
4822-130-41101	123AP
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4822-130-41106	288
4822-130-41107	2310
4822-130-41109	374
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4822-130-41114	152
4822-130-41119	125
4822-130-41122	62§
4822-130-41124	159
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4822-130-41127	199
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4822-130-41129	184
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4822-130-41133	123AP
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4822-130-41181	199
4822-130-41182	246
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4822-130-41203	289A
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4822-130-41212	264
4822-130-41213	281MCP
4822-130-41214	199
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4822-130-41223	960
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4822-130-41232	123AP
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4822-130-41235	222
4822-130-41236	222
4822-130-41237	331
4822-130-41238	281MCP
4822-130-41239	374
4822-130-41241(BEC)	395◆
4822-130-41243	271
4822-130-41244	270
4822-130-41245	253 + 254(CP)
4822-130-41246	298
4822-130-41247	375 + 398(CP)
4822-130-41249	284
4822-130-41251	284
4822-130-41252	234
4822-130-41253	159
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4822-130-41257	85
4822-130-41258	85
4822-130-41259	85
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4822-130-41262	123AP
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4822-130-41691	159
4822-130-41768	152
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4822-130-42054	184
4822-130-42077	2361
4822-130-42231	159
4822-130-42241	379
4822-130-42278	290A
4822-130-42292	289A
4822-130-42298	289A
4822-130-42371	2364
4822-130-42436	2357
4822-130-42488	569
4822-130-42489	552
4822-130-42593	2358
4822-130-42594	2359
4822-130-42606	569
4822-130-42675	2406
4822-130-42679	2337
4822-130-42683	2357
4822-130-42696	2406
4822-130-42715	290A
4822-130-42804	2406
4822-130-42951	383◆
4822-130-44037	154
4822-130-44104	159
4822-130-44108	154
4822-130-44121	123AP
4822-130-44154	229
4822-130-44156	159
4822-130-44195	229
4822-130-44196	199
4822-130-44197	159
4822-130-44246	199
4822-130-44256	159
4822-130-44257	123AP
4822-130-44283	383
4822-130-44358	159
4822-130-44421	153
4822-130-44461	123AP
4822-130-44465	152
4822-130-44484	159
4822-130-44503	199
4822-130-44508	165
4822-130-44568	159
4822-130-50003	5305
4822-130-50084	166
4822-130-50087	166
4822-130-50088	166
4822-130-50091	5305
4822-130-50096	552
4822-130-50153	125
4822-130-50157	177
4822-130-50182	166
4822-130-50183	166
4822-130-50185	166
4822-130-50194	5305
4822-130-50196	5305
4822-130-50221	116
4822-130-50222	552
4822-130-50228	552
4822-130-50308	168
4822-130-50314	125(2)
4822-130-50316	116
4822-130-50317	116
4822-130-50363	167
4822-130-60093	159
4822-130-60117	373#
4822-130-60163	107
4822-130-60258	85
4822-130-60383	2401
4822-130-60511	2408
4822-130-60588	2355
4822-130-60766	2356
4822-130-60784	261
4822-130-60832	171
4822-130-60887	2401◆
4822-130-60904	2361
4822-130-61179	377◆
4822-130-61207	2408
4822-130-61219	5019A
4822-130-61236	185
4822-130-61725	2338◆
4822-130-61876	290A
4822-130-61886	31
4822-130-62268	2344
4822-130-62269	2343
4822-130-62284	262
4822-130-62294	107
4822-130-62296	2324
4822-130-62334	398◆
4822-130-62335	375◆
4822-130-62433	264
4822-130-62483	85
4822-130-62512	20
4822-130-62548	378#
4822-130-62549	377#
4822-130-62616	374
4822-130-62621	373
4822-130-62622	11
4822-130-62698	199
4822-130-62701	2354
4822-130-62702	2344
4822-130-62758	2362
4822-130-62777	85
4822-130-62778	85
4822-130-62779	2361
4822-130-62782	2355
4822-130-62784	326
4822-130-62786	21
4822-130-62878	107
4822-130-63104	293
4822-130-63119	2329
4822-130-63121	2328
4822-130-63154	289A
4822-130-63155	85
4822-130-63269	399
4822-130-63271	2354#
4822-130-63274	375
4822-130-63275	398
4822-130-63287	490
4822-130-63329	2354
4822-130-63411	291#
4822-130-63412	292#
4822-130-63444	90
4822-130-63492	91
4822-130-63546	2388#
4822-130-80138	5024A
4822-130-80235	5005A
4822-130-80305	5329
4822-130-80317	5010T1
4822-130-80319	5018A
4822-130-80321	5019T1
4822-130-80445	576
4822-130-80572	580
4822-130-80837	177
4822-130-80839	116
4822-130-80907	5313◆
4822-130-80992	519
4822-130-81336	519
4822-130-81524	519
4822-130-81565	614
4822-130-82078	5329◆
4822-130-82079	5318◆
4822-130-82645	5313
4822-130-82655	5014A
4822-130-82689	5020A
4822-130-82697	5015A
4822-130-82703	5010T1
4822-130-82776	5304
4822-130-82839	5022A
4822-130-82846	15023
4822-130-83128	576
4822-130-83239	577
4822-130-83362	116
4822-130-83476	5304
4822-130-90012	3074
4822-130-90347	3098
4822-157-63366	3007
4822-177-00319	109
4822-209-10223	4077B
4822-209-10248	4013B
4822-209-10263	4052B
4822-209-10866	4528B
4822-209-11157	1853
4822-209-30165	950
4822-209-30171	960
4822-209-30175	1819
4822-209-30185	1960
4822-209-30193	7087
4822-209-30616	7090
4822-209-30619	7043
4822-209-30883	7041
4822-209-31257	1909
4822-209-31631	1960
4822-209-60853	7047
4822-209-60955	1567
4822-209-60956	7051
4822-209-61188	1766
4822-209-61258	1843
4822-209-61801	1100
4822-209-61848	1972
4822-209-62059	1854M
4822-209-62364	7081
4822-209-62369	1862
4822-209-62941	1964
4822-209-62942	1965
4822-209-63077	1248
4822-209-63179	1961
4822-209-63299	7115
4822-209-63646	1561
4822-209-63848	7083
4822-209-70295	2057
4822-209-70305	966
4822-209-70308	1561
4822-209-70705	1854M
4822-209-71041	1961
4822-209-71463	4555B
4822-209-71489	1657
4822-209-71636	4016B
4822-209-71776	7050
4822-209-71901	977
4822-209-71906	1961
4822-209-71977	7064
4822-209-71979	1834
4822-209-72076	1854M
4822-209-72108	1862
4822-209-72155	7115
4822-209-72368	7061
4822-209-72491	1634
4822-209-72544	2057
4822-209-72545	1853
4822-209-72554	964
4822-209-72587	1854D
4822-209-72804	815
4822-209-72858	7100
4822-209-73037	1866
4822-209-73064	891M◆
4822-209-73356	7011
4822-209-73676	74HC86
4822-209-73712	7050
4822-209-73727	1724
4822-209-73954	1971

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
4822-209-80383	1566
4822-209-80401	778A
4822-209-80408	1498
4822-209-80411	1465
4822-209-80444	1566
4822-209-80478	1498
4822-209-80571	926
4822-209-80587	987
4822-209-80591	956
4822-209-80631	834
4822-209-80655	1971
4822-209-80775	955M
4822-209-80782	74LS74A
4822-209-80797	943M
4822-209-80808	968
4822-209-80818	928M
4822-209-80891	960
4822-209-80896	1170
4822-209-80925	1187
4822-209-80933	1439
4822-209-80981	960
4822-209-81118	1580§
4822-209-81194	1231A
4822-209-81245	1657
4822-209-81397	999
4822-209-81567	7100
4822-209-81726	966
4822-209-81733	1465
4822-209-81818	1842
4822-209-81929	7002
4822-209-82056	963
4822-209-82489	1843
4822-209-82569	4066B
4822-209-83115	1852
4822-209-83145	7002
4822-209-83163	891M
4822-209-83227	7115
4822-209-83237	7002
4822-209-83274	891M
4822-209-83631	778A
4822-211-00859	5305
4822-720-38000	125
4822-720-92870	158
4822-813-70066	109
4822(EBC-GE)	85
4823-0018	175
4823-0031-01	234
4823(GE)	123AP
4824-0014	199
4824-0014-02	199
4824-28-1	311
4824-33	128
4824(GE)	85
4825	229
4826	108
4826(EBC-GE)	85
4828-4	109
4830-8201-001	5016A
4831-0001-001	5015A
4831-1002-002	140A
4835-130-27001	5351A
4835-130-27002	56008
4835-130-27004	5466
4835-130-37001	5021T1
4835-130-37005	5069A
4835-130-37007	5011T1
4835-130-37008	5013T1
4835-130-37009	116
4835-130-37011	519
4835-130-37015	5068A
4835-130-37017	5010A
4835-130-37018	5332
4835-130-37023	147A
4835-130-37031	5019T1
4835-130-37045	5028A
4835-130-37046	5036A
4835-130-37047	116
4835-130-37048	519
4835-130-37049	5022A
4835-130-37051	5011T1
4835-130-37052	569◆
4835-130-37053	552
4835-130-37054	3017
4835-130-37057	3041◆
4835-130-37058	587
4835-130-37059	569◆
4835-130-37061	580
4835-130-37062	585
4835-130-37063	5030A
4835-130-37064	5031A
4835-130-37067	5018A
4835-130-37068	5011T1
4835-130-37071	5019A
4835-130-37072	5013A
4835-130-37074	5013T1
4835-130-37076	519
4835-130-37081	5029A
4835-130-37082	5035A
4835-130-37083	5010A
4835-130-37084	5011A
4835-130-37085	5016A
4835-130-37086	5018A
4835-130-37089	3033
4835-130-37091	5033A
4835-130-37092	5037A
4835-130-37093	3017
4835-130-37094	580
4835-130-37096	5018A
4835-130-37099	519
4835-130-37101	145A
4835-130-37103	552
4835-130-37104	140A
4835-130-37105	5079A
4835-130-37109	580
4835-130-37113	597
4835-130-37116	116
4835-130-37121	5013T1
4835-130-37123	5021A
4835-130-37124	5024A
4835-130-37125	5008A
4835-130-37126	5019T1
4835-130-37127	177
4835-130-37134	5077A
4835-130-37135	585
4835-130-37136	519
4835-130-37137	5018A
4835-130-37138	5077A
4835-130-37139	5010T1
4835-130-37141	5014A
4835-130-37142	5014A
4835-130-37143	5019T1
4835-130-37144	5018A
4835-130-37145	519
4835-130-37146	519
4835-130-37147	587
4835-130-37148	5332
4835-130-37149	588
4835-130-37151	552
4835-130-37153	116
4835-130-37154	506
4835-130-37155	552
4835-130-37156	552
4835-130-37157	5020A
4835-130-37158	5022A
4835-130-37159	5030A
4835-130-37161	5033A
4835-130-37162	519
4835-130-37163	580
4835-130-37164	5316
4835-130-37165	139A
4835-130-37169	5025A
4835-130-37172	519
4835-130-37173	177
4835-130-37174	177
4835-130-37177	116
4835-130-37179	580
4835-130-37182	125
4835-130-37184	519
4835-130-37185	525
4835-130-37186	5134A
4835-130-37187	5152A
4835-130-37188	587
4835-130-37192	5011T1
4835-130-37193	5021T1
4835-130-37195	580
4835-130-37196	5801
4835-130-37197	5806
4835-130-37202	588
4835-130-37203	5019T1
4835-130-37209	116◆
4835-130-37211	585
4835-130-37212	519
4835-130-37216	5006A
4835-130-37217	5007A
4835-130-37218	5008A
4835-130-37219	5069A
4835-130-37221	136A
4835-130-37222	5013T1
4835-130-37223	5014A
4835-130-37226	5015A
4835-130-37228	586
4835-130-37229	552
4835-130-37231	5025A
4835-130-37232	5025A
4835-130-37233	586
4835-130-37235	519
4835-130-37236	5072A
4835-130-37239	552
4835-130-37245	5019T1
4835-130-37254	593
4835-130-37256	596
4835-130-37273	5016A
4835-130-37277	147A
4835-130-37279	5081A
4835-130-37283	586
4835-130-37287	519
4835-130-37289	5094A
4835-130-37291	5029A
4835-130-37292	5016A
4835-130-37294	519
4835-130-37295	525
4835-130-37296	109
4835-130-37297	5116A
4835-130-37299	5018A
4835-130-37302	5030A
4835-130-37303	5014A
4835-130-37304	5009A
4835-130-37316	580
4835-130-37319	525
4835-130-37326	3022
4835-130-37328	519◆
4835-130-37329	5011A
4835-130-37332	519
4835-130-37334	116
4835-130-37335	5035A
4835-130-37336	5013A
4835-130-37347	5021T1
4835-130-37352	519
4835-130-37353	116
4835-130-37354	116
4835-130-37355	586
4835-130-37356	552
4835-130-37381	2417
4835-130-37389	552
4835-130-37395	116
4835-130-37397	5000A
4835-130-37399	5013A
4835-130-37402	5018A
4835-130-37404	5025A
4835-130-37405	5015A
4835-130-37414	519
4835-130-37415	519
4835-130-37416	519
4835-130-37423	142A
4835-130-37432	588◆
4835-130-37433	116
4835-130-37471	5313
4835-130-37472	5313
4835-130-37491	598
4835-130-37493	5022A
4835-130-37494	594
4835-130-37501	5075A
4835-130-37502	147A
4835-130-37503	5016A
4835-130-37504	5022A
4835-130-37509	587◆
4835-130-37512	5011A
4835-130-37513	5035A
4835-130-37514	5010T1
4835-130-37515	116
4835-130-37519	580
4835-130-37527	5802
4835-130-37529	587
4835-130-37535	580
4835-130-37536	5018A
4835-130-37542	3022
4835-130-37543	5011T1
4835-130-37544	139A
4835-130-37548	580
4835-130-37549	125
4835-130-37551	5332
4835-130-37552	5013A
4835-130-37553	5013A
4835-130-37554	5018A
4835-130-37555	552
4835-130-37556	558
4835-130-37557	587
4835-130-37558	5010A
4835-130-37559	5013A
4835-130-37561	552
4835-130-37562	139A
4835-130-37563	598
4835-130-37566	5020A
4835-130-37567	125
4835-130-37569	5029A
4835-130-37571	5404
4835-130-37572	5016A
4835-130-37573	558
4835-130-37574	125
4835-130-37588	586
4835-130-37589	586
4835-130-37591	552
4835-130-37593	5013T1
4835-130-37596	116
4835-130-37601	5019T1
4835-130-37603	586
4835-130-37605	587◆
4835-130-37612	558
4835-130-37618	5081A
4835-130-37621	125
4835-130-37622	577
4835-130-37626	552
4835-130-37627	580
4835-130-37634	125
4835-130-37635	125
4835-130-37636	587
4835-130-37637	138A
4835-130-37638	588
4835-130-37639	5013T1◆
4835-130-37641	552
4835-130-37642	5332
4835-130-37663	581
4835-130-37664	145A
4835-130-37701	177
4835-130-37712	6246
4835-130-47001	5021A
4835-130-47023	2368
4835-130-47025	379#
4835-130-47035	2336
4835-130-47048	159
4835-130-47049	159
4835-130-47051	123AP
4835-130-47052	123AP
4835-130-47053	159
4835-130-47054	159
4835-130-47055	123AP
4835-130-47056	123AP
4835-130-47058	48
4835-130-47059	399
4835-130-47061	2302
4835-130-47062	2393
4835-130-47064	199
4835-130-47065	2406
4835-130-47066	2407
4835-130-47067	2331
4835-130-47068	2393
4835-130-47069	199
4835-130-47071	123AP
4835-130-47072	198
4835-130-47073	399
4835-130-47076	85
4835-130-47081	294
4835-130-47083	489
4835-130-47084	332
4835-130-47085	2406
4835-130-47086	2406
4835-130-47087	2407
4835-130-47088	2401
4835-130-47089	291
4835-130-47091	31
4835-130-47092	2393#
4835-130-47095	2406
4835-130-47096	2401
4835-130-47097	2331
4835-130-47099	399
4835-130-47101	54
4835-130-47102	159
4835-130-47103	159
4835-130-47104	159
4835-130-47105	171
4835-130-47106	395
4835-130-47107	331
4835-130-47108	331
4835-130-47109	332
4835-130-47111	2318
4835-130-47112	2407
4835-130-47113	383
4835-130-47114(CEB)	239
4835-130-47115	382
4835-130-47116	2407
4835-130-47117	216
4835-130-47118	2318#
4835-130-47119	374
4835-130-47121	198
4835-130-47122	2324
4835-130-47123	2388
4835-130-47124	2394
4835-130-47125	171
4835-130-47126	159
4835-130-47127	2418
4835-130-47128	2418
4835-130-47129	2408
4835-130-47133	16
4835-130-47134	19
4835-130-47135	2416
4835-130-47136	2505
4835-130-47137	85
4835-130-47139	2337
4835-130-47141	2408
4835-130-47142	2408
4835-130-47143	17
4835-130-47144	19
4835-130-47145	2407
4835-130-47146	2409
4835-130-47147	2409
4835-130-47148	3120
4835-130-47149	159
4835-130-47151	159
4835-130-47152	283
4835-130-47153	194
4835-130-47154	287
4835-130-47155	130
4835-130-47156	50
4835-130-47157	49
4835-130-47158	53
4835-130-47159	288
4835-130-47162	159
4835-130-47163	395
4835-130-47164	238
4835-130-47165	69
4835-130-47166	49
4835-130-47167	49
4835-130-47168	49
4835-130-47169	2300
4835-130-47171	2365
4835-130-47172	2302
4835-130-47173	159
4835-130-47176	123AP
4835-130-47177	159
4835-130-47178	196
4835-130-47179	159
4835-130-47181	186
4835-130-47182	238
4835-130-47183	123AP
4835-130-47185	386
4835-130-47186	287
4835-130-47187	194
4835-130-47188(EBC)	399
4835-130-47189	159
4835-130-47191	123AP
4835-130-47192	199
4835-130-47194	455
4835-130-47195	238
4835-130-47196	47
4835-130-47197	2310#
4835-130-47198	2343
4835-130-47199	294
4835-130-47201	2315
4835-130-47202	51
4835-130-47204	2310
4835-130-47205	128P
4835-130-47206	51
4835-130-47207	32
4835-130-47208	2302
4835-130-47209	2315
4835-130-47211	54#
4835-130-47213	123AP
4835-130-47214	159
4835-130-47215	2318◆
4835-130-47216	2318#
4835-130-47219	2302
4835-130-47223	379#
4835-130-47225	2337
4835-130-47226	253
4835-130-47227	2337
4835-130-47232	19
4835-130-47233	19
4835-130-47234	159
4835-130-47235	85
4835-130-47235(T0-126)	374
4835-130-47236	159
4835-130-47238	12◆
4835-130-47243	2358
4835-130-47244	2357
4835-130-47247	290A
4835-130-47251	21
4835-130-47252	153#
4835-130-47253	85
4835-130-47256	20
4835-130-47259	2355◆
4835-130-47261	16
4835-130-47263	2418
4835-130-47265	13
4835-130-47266	56#
4835-130-47269	2419
4835-130-47271	290A
4835-130-47272	290A
4835-130-47275	85
4835-130-47278	261#
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4851-4076-001	4076B
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4855	108
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4856-0107	123A
4856-0109	123A
4856-0110	123A
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4860-1-3	311
4872	124
4872-1(RCA)	177
4875-1(RCA)	142A
4882	130
4885	5667A
4888A	121

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4888B	121
4907-976	102A
4984-1(RCA)	532
4984-2(RCA)	532
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5001-004	299§
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5001-020	123A
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5001-037	229
5001-038	199
5001-043	199
5001-044	299§
5001-046	222
5001-047	312
5001-048	159
5001-049	226MP
5001-050	235
5001-053	152
5001-064	186A
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5001-068	282§
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5001-071	236
5001-072	123A
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5001-075	186A
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5001-089	125
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5001-125	139A
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5001-143	5075A
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5001-145	177
5001-146	519
5001-152	139A
5001-156	177
5001-160	136A
5001-161	109
5001-162	177
5001-163	116
5001-164	177
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5001-197	135A
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5001-512	103A
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5001-539	297
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5001-544	229
5001-545	199
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5002-007	1100
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5002-031	1155
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5005(Thomas)	761§
5007	761§
5007(Thomas)	761§
5009	767§
5009(THOMAS)	767§
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5082-4101	3001
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5205NI	116
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5226-2	123A
5229-2(RCA)	985§
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5280-09407-XO(Williams)	7447
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5300-3	5626§
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5300-82-4	125
5300-82-1003	5809
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5300-88-1	116
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5300-88-1002	125
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5300-88-1004	125
5300-94-1	116
5300-95-1	116
5300-98-1	116
5300-99-1	116
5300-99-3	116
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5301-06-1	116
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5322-130-30581	5013T1
5322-130-30592	519
5322-130-30593	109
5322-130-30613	519
5322-130-30621	519
5322-130-30659	116
5322-130-30664	613
5322-130-30668	558
5322-130-30684	116
5322-130-30702	519
5322-130-30715	109
5322-130-30746	613
5322-130-30759	5011T1
5322-130-30765	5006A
5322-130-30766	5013T1
5322-130-30767	5010T1
5322-130-30769	613
5322-130-30774	5019T1
5322-130-31504	5005A
5322-130-31931	5089A
5322-130-31969	506
5322-130-31971	580
5322-130-32184	588
5322-130-32586	138A
5322-130-33635	5072A
5322-130-33885	580
5322-130-34026	616
5322-130-34028	5010T1
5322-130-34048	5003A
5322-130-34049	606
5322-130-34069	5021T1
5322-130-34121	116
5322-130-34122	5038A
5322-130-34145	5038A
5322-130-34167	5013T1
5322-130-34173	5011T1
5322-130-34197	5021T1
5322-130-34233	5010T1
5322-130-34287	519
5322-130-34297	5019T1
5322-130-34323	580
5322-130-34395	109
5322-130-34402	552
5322-130-34403	552
5322-130-34448	552
5322-130-34465	5013T1
5322-130-34522	580◆
5322-130-34542	5019T1
5322-130-34563	5002A
5322-130-34574	116
5322-130-34633	125
5322-130-34651	3024
5322-130-34682	519
5322-130-34694	3020
5322-130-34754	613
5322-130-35754	613
5322-130-40061	123AP
5322-130-40132	130
5322-130-40135	130
5322-130-40144	199
5322-130-40145	123AP
5322-130-40167	159
5322-130-40172	374
5322-130-40178	159
5322-130-40182	519
5322-130-40195	159
5322-130-40214	123AP
5322-130-40216	199
5322-130-40229	109
5322-130-40249	126A
5322-130-40256	519
5322-130-40299	154
5322-130-40303	229
5322-130-40304	229
5322-130-40308	108
5322-130-40309	123AP
5322-130-40311	123AP
5322-130-40313	123AP
5322-130-40317	123AP
5322-130-40318	123AP
5322-130-40332	123AP
5322-130-40333	123AP
5322-130-40343	123AP
5322-130-40345	160
5322-130-40348	159
5322-130-40353	159
5322-130-40355	159
5322-130-40357	123AP
5322-130-40361	199
5322-130-40368	199
5322-130-40369	159
5322-130-40376	229
5322-130-40385	160
5322-130-40449	130
5322-130-40454	161
5322-130-40457	154
5322-130-40459	229
5322-130-40463	615A
5322-130-40476	159
5322-130-40477	159
5322-130-40492	161
5322-130-40508	159
5322-130-40515	199
5322-130-40524	130
5322-130-40536	165
5322-130-40614	159
5322-130-40635	160
5322-130-40637	130MP
5322-130-40645	373
5322-130-40657	229
5322-130-40661	154
5322-130-40664	373
5322-130-40665	374
5322-130-40679	159
5322-130-40716	159
5322-130-40732	123AP
5322-130-40758	123AP
5322-130-40759	123AP
5322-130-40782	154
5322-130-40822	159
5322-130-40823	373
5322-130-40824	374
5322-130-40835	123AP
5322-130-40838	123AP
5322-130-40855	123AP
5322-130-41899	969
5322-130-41981	2408
5322-130-41982	2408
5322-130-41983	2409
5322-130-42012	2409
5322-130-42047	2311
5322-130-42114	2310
5322-130-42136	2408
5322-130-42363	263
5322-130-42701	263
5322-130-42756	2409
5322-130-44025	123AP
5322-130-44037	154
5322-130-44049	130
5322-130-44101	123AP
5322-130-44102	159
5322-130-44103	123AP
5322-130-44104	159
5322-130-44108	154
5322-130-44112	159
5322-130-44113	123AP
5322-130-44117	229
5322-130-44119	159
5322-130-44121	123AP
5322-130-44124	154
5322-130-44128	580
5322-130-44133	123AP
5322-130-44134	159
5322-130-44135	123AP
5322-130-44141	123AP
5322-130-44142	159
5322-130-44143	123AP
5322-130-44148	123AP
5322-130-44152	123AP
5322-130-44153	159
5322-130-44154	229
5322-130-44155	199
5322-130-44156	159
5322-130-44159	123AP
5322-130-44164	246
5322-130-44195	229
5322-130-44197	159
5322-130-44198	199
5322-130-44199	159
5322-130-44212	123AP
5322-130-44232	383
5322-130-44246	199
5322-130-44251	159
5322-130-44256	159
5322-130-44257	123AP
5322-130-44258	159
5322-130-44263	552
5322-130-44283	383
5322-130-44287	165
5322-130-44289	123AP
5322-130-44291	123AP
5322-130-44298	123AP
5322-130-44299	199
5322-130-44301	123AP
5322-130-44318	85
5322-130-44323	123AP
5322-130-44332	185
5322-130-44346	159
5322-130-44358	159
5322-130-44413	373
5322-130-44421	153
5322-130-44438	153
5322-130-44461	123AP
5322-130-44465	152
5322-130-44484	159
5322-130-44503	199
5322-130-44508	165
5322-130-44568	159
5322-130-44593	294
5322-130-44617	159
5322-130-44649	186A
5322-130-44724	389
5322-130-44786	253
5322-130-44918	2327
5322-130-44926	264
5322-130-50003	5305
5322-130-50157	177
5322-130-50195	5305
5322-130-50197	5305
5322-130-50315	5313
5322-130-60068	159
5322-130-60898	85
5322-130-61569	2428
5322-130-61575	2344
5322-130-62262	2397◆
5322-130-80686	580
5322-130-81917	585
5322-209-10002	4013B
5322-209-10421	4094B
5322-209-10422	4538B
5322-209-11331	74HC02
5322-209-14066	4073B
5322-209-14068	4050B
5322-209-14121	4053B
5322-209-14269	4040B
5322-209-14561	4516B
5322-209-14865	4066B
5322-209-71759	968
5322-209-82945	1804
5322-209-85572	1785
5322-209-85602	74LS123
5322-209-85869	74LS374
5322-209-85913	967
5322-209-86062	74LS373
5322-209-86064	858M
5322-209-86234	778A◆
5322-209-86296	2013
5322-209-86361	969
5322-209-86518	960
5324	5130A
5325	5026A
5326	5133A
5327	5135A
5328	5136A
5329	5138A
5330	5139A
5330-732	177
5331	5141A
5331(Peavey)	184◆
5332	5142A
5332(Peavey)	185◆
5333	5143A
5334	5144A
5335	5145A
5336	5146A
5337	5147A
5340	5151A
5340-09409-XO(Williams)	2114
5340-09488-00	2117
5341	5152A
5342	5153A
5343	5155A
5344	5156A
5345-1	1174
5345(Zener)	5157A
5346	5158A
5348	5161A
5350	5164A
5351	5166A
5361-1N60P	110MP
5380-21	116
5380-71	123A
5380-72	123A
5380-73	128
5380-73(Power)	175
5402	156
5416	116
5417F	85
5417G	85
5417H	85
5430-08972-00	6821
5431-09449(Williams)	955M
5459	312
5464	102A
5470-2(RCA)	503
5470-501(RCA)	504
5470-502(RCA)	503
5470-503(RCA)	503
5470-504(RCA)	504
5489(KLH)	718
5504	181
5505	181
5506	5002A
5507	5004A
5508	5005A
5508(RAM)	6508
5509	5006A
5510	5007A
5511	5008A
5512	5009A
5513	5010A
5513-1(RCA)	222
5514	5011A
5515	5013A
5516	5014A
5517	5015A
5518	5016A
5519	5018A
5520	5019A
5521	5020A
5522	5021A
5522-8	5802
5523	5022A
5524	5185A
5525	5025A
5526	5027A
5527	5029A
5528	5030A
5529	5031A
5530	5033A
5531	5035A
5532	5036A
5533	5037A
5534	5038A
5535	5039A
5536	5040A
5537	5041A
5538	5042A
5539	5044A
5540	5045A
5541	5046A
5553	128
5555-1(RCA)	616
5560-1	1566
5565-001	130
5601-MS	116
5601-NI	116
5609-1	748A
5610(Trans)	24
5611-628	159
5611-628D	159
5611-628F	159
5611-642(W)	123A
5611-673	159
5611-673D	159
5611-695	193
5611-695C	193
5611-733(P)	290A
5611-733(Q)	294
5611-755(C)	153
5611-836E	234
5611-844(E)	234
5611-844E	234
5611-872(E)	91
5611-933(R)	290A
5611-950Y	290A
5611-1015Y	290A
5612-75C	102A
5612-77C	102A
5612-324(B)	158
5612-370	102A
5612-370C	102A
5612-549R	374
5612-561C	298
5612-653C	88
5612-722(R)	285
5613-1S2076	177
5613-46B	108
5613-458	289A
5613-458B	289A
5613-458C	289A
5613-458D	289A
5613-458LGC	289A
5613-460	107
5613-460(B)	85
5613-460A	107
5613-460B	107
5613-460C	107
5613-461	229
5613-461(B)	85
5613-461B	85
5613-461C	229
5613-535	107
5613-535(B)	107
5613-535A	107
5613-535B	107
5613-535C	107
5613-558C	123A
5613-710(B)	123AP
5613-710B	123AP
5613-710-C	123AP
5613-710C	123AP
5613-710D	123AP
5613-710E	123AP
5613-711	123A
5613-711E	123A
5613-711F	199
5613-711G	199
5613-828	199
5613-828(R)	85
5613-828S	199
5613-839(H)	123A
5613-853L	192A§
5613-870	123A
5613-870F	123A
5613-871	199
5613-871F	199
5613-945(K)	85
5613-945(P)	199
5613-945L(K)	85
5613-945L(P)	85
5613-1209	192§
5613-1209C	192§
5613-1213D	128
5613-1312	199
5613-1312G	199
5613-1312H	199
5613-1317(Q)	289A
5613-1327	199
5613-1327T	199
5613-1335	123A
5613-1335D	123A
5613-1335E	199
5613-1342	229
5613-1342B	229
5613-1342C	229
5613-1344(E)	199
5613-1345E	199
5613-1359B	229
5613-1359C	229
5613-1419(C)	152
5613-1419C	152
5613-1473AR	399
5613-1568(R)	373#
5613-1573AR	399
5613-1674(K)	229
5613-1674(L)	229
5613-1675(K)	85
5613-1675(L)	85
5613-1684	199
5613-1684(S)	199
5613-1684T	199
5613-1740(R)	85
5613-1775(E)	90
5613-1775(F)	90
5613-1788	128
5613-1788R	128
5613-1815GR	85
5613-1846	306
5613-1846(Q)	373#
5613-1846Q	306
5613-1923Y	107
5613-1964	236
5613-2001(K)	85
5613-2001(L)	85
5613-2086	293
5613-2320L(G)	85
5613-3153	2309
5613-3620	2501
5613-4581C	123A
5614-77C	103A
5614-227(W)	159
5614-330E	152
5614-352(B)	103A
5614-415R	373
5614-471(K)	293
5614-571(K)	293
5614-882P	184
5614-1197	270#
5614-1397	2302
5614-1398	2302
5614-1846	2331
5615-1	1176§
5615-2	1176§
5616-2SK33(D)	312
5616-2SK33(E)	312
5616-2SK33D	312
5616-2SK33E	312
5616-2SK49(E)	312
5616-2SK168(D)	312
5616-3SK45(B)	454§
5616-3SK45B	454§
5617-004(RCA)	1175§
5617-2	1175§
5617-3A(RCA)	1175§
5617-4(RCA)	1175§
5624	1253
5629-1(RCA)	985§
5631-0A90	109
5631-0A90M	109
5631-1K34A	109
5631-1N34A	109
5631-1N60	109
5631-1N60P	109
5631-1S2076	177
5631-1S2473	519
5631-2-1K261	110MP
5631-20A90	110MP
5631-20A90H	110MP
5631-MA150	177
5632-1S2226	116
5632-1S2227	125
5632-1SR35-10	116
5632-51B01-02	116
5632-AN217	1060
5632-AN217BB	1060
5632-DFA1A4	552
5632-DFM1A4	552
5632-ERB24-04	552
5632-ERB24-06	552
5632-ERB28-04	552
5632-ERC04-02	125
5632-ERC04-04	125
5632-HZ11A	140A
5632-S1B01-02	116
5632-S5566B	116
5632-S5566G	116
5632-SIB01-02	552
5632-U06G	580
5632-V03C	125
5632-W03B	116
5632-W06A	116
5632-W06B	116
5632-WO3B	116
5633-1S2790(W)	613
5633-1S2790W	613
5633-MV201	611
5635-EQA01-20	5029A
5635-EQA0106T	137A
5635-HZ6B1	5011T1
5635-HZ11	5020A
5635-HZ11A	140A
5635-HZ15	5024A
5635-HZT33	615A
5635-MZ301A	140A
5635MZ309B	139A
5635-MZ309B	139A
5635-MZ310A	140A
5635-RD4R7EB	5009A
5635-RD4R7EB2	5009A
5635-RD5R1EB	5010A
5635-RD5R6EC	5011A
5635-RD6R2EB	5013A
5635-RD6R8EB2	5014A
5635-RD7R5EB2	5015A
5635-RD8R2EB	5016A
5635-RD9R1EB	5018A
5635-RD9R1EB1	5018A
5635-RD9R1EB2	5018A
5635-RD10EB	5019A
5635-RD11EB2	5020A
5635-RD13EB	5022A
5635-RD13EB2	5022A
5635-RD15EB	5024A
5635-RD20EB3	5029A
5635-RD27EB	5033A
5635-RD30EB	5035A
5635-RD36EB	5037A
5635-UZ5R6BM	5011A
5635-UZ10BL	5019A
5635-ZB1-10	140A
5636-1S953	177
5636-1SS133	519
5636-RD6R8EB	5014A
5637-1(RCA)	986
5637-3(RCA)	986
5637-SR105D	3007
5638-010(RCA)	844
5638-5(RCA)	844
5638-6(RCA)	844
5638-10(RCA)	844
5638-11(RCA)	844
5641-1S1211	601
5641-1S1212	601
5641-MV11	116
5641-VD1220	605A
5649-3(RCA)	1652
5652-AN217	1060
5652-AN217BB	1060
5652-AN5316	1726◆
5652-AN5436	1727
5652-AN5512	1674

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
5652-AN7218	1563
5652-AN7410NS	1560
5652-BA401	1104
5652-BA402	1100
5652-BA1310	1226
5652-BA1320	1248
5652-BA5402	1619§
5652-BA6124	1561
5652-HA1156	801
5652-HA1325	1238§
5652-HA11123	1527
5652-HA11211	1486
5652-HA11223W	1482
5652-LA7520	1728
5652-LB1405	1515
5652-M51513L	1256§
5652-TA78L005	977
5652-TA7358A	1843
5652-TA7640A	1842
5652-TA7658P	1571
5652-UPC575C2	1140
5652-UPC587C2	1226
5652-UPC1018C	1563
5652-UPC1026C	1226
5652-UPC1373H	1714S
5653-AN5265	1789
5653-TA7777N	1790
5653-TA8680N	7010
5653-TA7555B	778A
5653-TA78012A	966
5654-M53203P	7403
5654-UPD4011C	4011B
5661-03P05M	5410
5661-C6B3	5400
5680	129
5683-1S2790W	613
5685-D2SBA40	168
5685-S4VB20	5313
5685-S5VB20	5313
5701	159
5710	229
5714	289A
5721	123A
5721-1(RCA)	558
5723P	801
5724P	801
5757	781§
5762-1(RCA)	230
5762-2(RCA)	231
5766-25	102
5778-1(RCA)	56008
5778-2(RCA)	56008
5779-1(RCA)	5655
5780-004(RCA)	230
5780-1	230
5780-1(RCA)	5511
5780-4	230
5780-4(RCA)	230
5780-6	230
5780-6(RCA)	5351A
5781-004(RCA)	5402
5781-2(RCA)	5401
5781-4	5402
5781-4(RCA)	5402
5802B	448B
5802B-14	448B
5805B	448E
5805B-24	448E
5806-0000-013	5801
5807B	448G
5807B-40	448G
5815	723
5829-501(RCA)	189
5829-502(RCA)	189
5829-503(RCA)	188
5829-504(RCA)	188
5847(RCA)	184
5861	125
5880	1198
5908P5	4900
5909-001	181
5914-501(RCA)	503
5923	5801
5932	789
5935-01-123-6395	209
5961-00-069-7737	109
5961-00-071-1699	102A
5961-00-336-9367	123A
5961-00-336-9368	159
5961-00-489-4874	5372
5961-00-615-0195	5010A
5961-00-865-0731	113A
5961-00-988-7738	5874
5961-00-988-8784	102
5961-01-035-6099	139A
5961-01-036-4639	5097A
5961-01-061-2050	236
5961-01-098-0841	165
5961-01-103-0633	5685
5961-01-104-2285	222
5961-01-105-9134	5324
5961-01-106-0166	168
5961-01-106-4448	5414
5961-01-110-4642	125
5961-01-118-9015	280
5961-01-137-3868	266
5961-01-143-5001	512
5961-01-143-9168	121
5961-01-146-7421	5800
5961-01-148-4907	511
5961-1(NAP-IC)	1741◆
5962-00-117-8725	9924§
5962-00-469-9262	9982
5962-01-109-8837	7416
5962-01-110-1747	7414
5962-01-110-1748	7408
5962-01-110-1749	7417
6001	1115
6003	312
6007-3	708
6008	160
6008(E.F.Johnson)	160
6011	312
6011(Fisher)	312
6013	312
6014	312
6014(Fisher)	312
6018(Peavey)	373
6019	177
6019(Peavey)	374
6042-2(RCA)	119
6063	8063
6070	8070
6076	8076
6082	8081
6091	8090
6096	8096
6099	8098
6099-2	196
6100	158
6100-35	158
6102	178MP
6109	8108
6115(G.E.)	5072A
6115(TCO)	8115
6115(Zener)	5072A
6117-1	278
6126	8125
6129-P1	519
6130-01-051-0580	503
6136	123A
6139	8139
6142G	5424
6143H827(RadShk)	123AP
6149-1(RCA)	515
6149-2(RCA)	515
6150	8149
6151(RCA)	128
6154	126A
6155	126A
6158	108
6158-3	108
6161-11(RCA)	558
6161-12(RCA)	552
6161-13(RCA)	558
6162	126A
6171-031(RCA)	558
6171-044(RCA)	552
6171-11(RCA)	558
6171-12(RCA)	515
6171-13(RCA)	558
6171-14(RCA)	515
6171-15(RCA)	515
6171-17(RCA)	506
6171-18	506
6171-19(RCA)	515
6171-20(RCA)	515
6171-21(RCA)	156
6171-22(RCA)	506
6171-24(RCA)	558
6171-25(RCA)	552
6171-26(RCA)	125
6171-27(RCA)	558
6171-28	116
6171-29(RCA)	552
6171-30(RCA)	552
6171-31(RCA)	558
6171-32(RCA)	552
6171-33(RCA)	558
6171-34(RCA)	558
6171-35(RCA)	552
6171-36	525
6171-36(RCA)	525
6171-37(RCA)	552
6171-39(RCA)	525
6171-41	581
6171-44(RCA)	552
6171-46(RCA)	552
6179-007(RCA)	109
6179-1(RCA)	109
6179-7(RCA)	109
6181-1	154
6183-2(RCA)	119
6183-4(RCA)	503
6183-5(RCA)	506
6183-6(RCA)	119
6183-8(RCA)	119
6185-3	108
6188-1(RCA)	123AP
6201	159
6221	221
6227	222
6284	128
6285	129
6300-1	74S387
6300-1J	74S387
6300-1N	74S387
6301-1	74S287
6301-1J	74S287
6301-1N	74S287
6305-1	74S570
6305-1J	74S570
6305-1N	74S570
6306-1	74S571
6306-1J	74S571
6306-1N	74S571
6313	160
6330-1	74S188
6330-1J	74S188
6330-1N	74S188
6331-1	74S288
6331-1J	74S288
6331-1N	74S288
6340-1	74S475
6340-1J	74S475
6340-1N	74S475
6341-1	74S474
6341-1J	74S474
6341-1N	74S474
6343-1	123A
6348-1	74S473
6348-1J	74S473
6348-1N	74S473
6349-1	74S472
6349-1J	74S472
6349-1N	74S472
6352-1	74S572
6352-1J	74S572
6352-1N	74S572
6353-1	74S573
6353-1J	74S573
6353-1N	74S573
6367	123A
6367-1	123A
6377-1(Sylvania)	131
6377-2(Sylvania)	155
6380-1	130
6380-1(PROM)	74S479
6380-1J	74S479
6380-1N	74S479
6380-3	152
6381-1	175
6381-1(PROM)	74S478
6381-1J	74S478
6381-1N	74S478
6381-2	152
6382-2	152
6401	163A
6432-3	139A
6440	102
6445	100
6452	102
6458D(IC)	778A
6502	6502
6502(MPU)	6502
6502AD	6502
6502AD(MPU)	6502
6502B(MPU)	6502
6507(Airline)	108
6507(MPU)	6507
6508(RAM)	6508
6514	123A
6515-00-541-3363	100
6531	107
6532(RAM,I/O)	6532
6551	722
6562-O	290A
6570(IC)	941M
6572(IC)	778A
6604(RAM)	2104
6604A(RAM)	2104
6605(RAM)	2107
6605A(RAM)	2107
6629	125
6629-A05	125
6651-486	128
6664(RAM)	6664
6665(RAM)	2164
6689-1(RCA)	616
6690-1(RCA)	177
6690-2(RCA)	177
6701-1(RCA)	1177
6796-100(RCA)	844
6800	6800
6800C	6800
6800N	6800
6800P	6800
6802	6802
6802C	6802
6802P	6802
6802T	6802
6809(MPU)	6809
6809E(MPU)	6809E
6810(RAM)	6810
6818	105
6820(PIA)	6821
6821(IC)	6821
6821(PIA)	6821
6839(GE)	339
6850(ACIA)	6850
6854K90-062	159
6854K90-074	123A
6855K90	106
6860-1(RCA)	532
6860-2(RCA)	537
6865-1(RCA)	532
6875(Clock)	6875
6889(IC)	6889
6900K91-002	9944
6900K91-003	9946
6900K91-004	9962
6900K91-006	9936
6900K91-007	9932
6900K91-009	9157
6900K93-001	9951
6900K93-002	9941
6900K95-001	9099
6900K95-002	9093
6930-1(RCA)	505
6930-2(RCA)	505
6933-501(RCA)	505
6933-503(RCA)	505
6954K90-074	123A
6990	160
7001(DARLINGTON)	172A
7001(E.F. Johnson)	123A
7001AB	1396
7005G(Lowrey)	123A
7013-1(RCA)	221
7014-1(RCA)	222
7018-002(RCA)	108
7018-2(RCA)	108
7019-1(RCA)	108
7022-1	553
7022-1(RCA)	553
7022-2(RCA)	553
7032-002(RCA)	614
7032-2(RCA)	614
7040-1(RCA)	616
7044-1(RCA)	616
7046-004(RCA)	142A
7046-1(RCA)	145A
7046-4(RCA)	5127A
7046-5(RCA)	5085A
7046-8(RCA)	5127A
7046-10(RCA)	5133A
7046-11(RCA)	5135A
7046-13(RCA)	5136A
7046-14(RCA)	5134A
7046-16(RCA)	5133A
7046-17(RCA)	5116A
7046-19(RCA)	5119A
7046-20(RCA)	5142A
7046-21(RCA)	5131A
7046-28(RCA)	5116A
7049	1115
7049-003(RCA)	146A
7049-009(RCA)	5029A
7049-1(RCA)	5031A
7049-4(RCA)	616
7049-9(RCA)	5029A
7069-1(RCA)	616
7074-1(RCA)	616
7081-501(RCA)	145A
7104-1	352
7106AAC	2051
7106CDL	2051
7106CPL	2051
7107AAC	2050
7107CDL	2050
7107CPL	2050
7112	177
7112(Transistor)	229
7113	123A
7114	108
7115	708
7115(IC)	708
7115(STELMA)	708
7115(Transistor)	108
7116	229
7116CDL	2063
7116CDL(IC)	2063
7116CJL	2063
7116CJL(IC)	2063
7116CPL	2063
7116CPL(IC)	2063
7117(GE)	108
7118	108
7120	108
7120A(G.E.)	712
7120S	123A
7122	108
7122-5	123A
7123	108
7124	108
7125	108
7126	108
7126CPL	2049
7126RCPL	2064
7126RCPL(IC)	2064
7127	108
7128	108
7129	123A
7129CJL	2065
7129CJL(IC)	2065
7129CPL	2065
7129CPL(IC)	2065
7131	108
7132	108
7133	108
7134	108
7140	548◆
7140B	548
7149A	712
7161	OBS-NLA
7161(Wurlitzer)	OBS-NLA
7171	123A
7171(GE)	123A
7172	123A
7172-54	105
7173	108
7174	108
7175	108
7176	123A
7177	108
7177S	108
7178	108
7204A	804
7204A(Sears)	804
7206-0	120
7209A	120
7211-9	116
7212-3	116
7212-3A	116
7213	152
7213-0	5809
7213-7	116
7213(Diode)	116
7214	108
7214-6	125
7214(Lowrey)	130
7214A	130
7215	108
7215-0	102A
7215-1	125
7215-2	125
7216	108
7217	108
7218	108
7219	108
7219-3	131
7220	108
7221	108
7221A	712
7232	108
7233	229
7233S	229
7234	108
7235	108
7236	229
7236S	229
7237	108
7238	108
7239	102
7245(EBC-GE)	229
7252	152
7253(Lowrey)	154
7261	229
7262	108
7263	229
7264	229
7265(EBC-GE)	319P
7301-1	129
7302-1(RCA)	123AP
7303-1	159
7303-1(RCA)	159
7303-2	159
7303-3	159
7303-3(RCA)	159
7303-4	159
7303-5(RCA)	159
7303-6(RCA)	159
7303(RCA)	159
7305-2(RCA)	153
7306	123AP
7306-013(RCA)	123AP
7306-1	123AP
7306-1(RCA)	123AP
7306-3	123AP
7306-4	123AP
7306-4(RCA)	123AP
7306-5	123AP
7306-6(RCA)	123AP
7306-7	123AP
7306-8(RCA)	123AP
7306-9(RCA)	123AP
7306-11	123AP
7306-11(RCA)	123AP
7306-13	123AP
7306-13(RCA)	123AP
7306-15(RCA)	123AP
7309-2(RCA)	123AP
7309-3	123AP
7309-3(RCA)	123AP
7309-4(RCA)	123AP
7309-5(RCA)	123AP
7310(G.E.)	124
7311	124
7311(GE)	124
7312	175
7313(IC)	713
7313(Transistor)	124
7314	116
7316	188
7316-1(RCA)	188
7317	124
7317-1(RCA)	189
7318	123AP
7318-1	194
7318-2	194
7318-2(RCA)	194
7318-6	123AP
7318-7	123AP
7318-7(RCA)	123AP
7320-1(RCA)	162
7321	194
7321-004(RCA)	287
7321-1(RCA)	194
7321-2(RCA)	287
7321-3(RCA)	287
7322	175
7322-1(RCA)	175
7325	123AP
7325-1	123AP
7325-1(RCA)	123AP
7325-3(RCA)	123AP
7327-2(RCA)	123AR
7329	128
7330	159
7330-1	159
7330-1(RCA)	159
7330-2	159
7330-3	159
7330-4	159
7330-5(RCA)	159
7330-6	159
7330-6(RCA)	159
7330-9(RCA)	159
7330-10(RCA)	159
7330-12	159
7330-15(RCA)	159
7331-1(RCA)	196
7333-1(RCA)	123AP
7334	123AP
7334-1	123AP
7335	165
7335-1(RCA)	165
7338-5(RCA)	128
7338-6	128
7338-7(RCA)	128
7339	159
7339-006(RCA)	159
7339-1	159
7339-3	159
7339-3(RCA)	159
7339-6	159
7339-6(RCA)	159
7339-7(RCA)	159
7340	106
7340-2	123AP
7341	505
7342-1(RCA)	123AP
7343-1	123AP
7343-1(RCA)	123AP
7343-2(RCA)	123AP
7343-3(RCA)	123AP
7344	177
7344-1	123AP
7344-1(RCA)	194
7344-2	123AP
7344-3(RCA)	194
7344-5	123AP
7344-5(RCA)	123AP
7345-2	128
7346-003(RCA)	123AP
7346-004(RCA)	123AP
7346-1(RCA)	47
7346-3(RCA)	123AP
7346-4(RCA)	123AP
7347	159
7347-004(RCA)	159
7347-1	159
7347-2(RCA)	159
7347-3(RCA)	159
7347-4	159
7347-4(RCA)	159
7349	128
7349-2(RCA)	123AP
7349-3(RCA)	123AP
7349-5	123AP
7351	185
7352-2	171
7352-5(RCA)	188
7352-6	210
7352-6)RCA)	210
7352-7(RCA)	188
7353-5(RCA)	189
7356-2(RCA)	162
7357-1(RCA)	191
7358-1	152
7359-1	185
7360-003(RCA)	229
7360-1	108
7360-1(RCA)	229
7361-1(RCA)	191
7362-006(RCA)	171
7362-1	171
7362-2(RCA)	171
7362-3(RCA)	171
7362-4	171
7362-5(RCA)	171
7362-6(RCA)	171
7362-7(RCA)	171
7363-1	159
7364-1	196
7364-1(RCA)	196
7364-6053P1	195A
7366	165
7366-1(RCA)	165
7367-1(RCA)	395
7368-1	222
7368-2	222
7368-4(RCA)	222
7368(RCA)	222
7369-1	222
7369-2(RCA)	222
7370	165
7370-1(RCA)	165
7372-1	222
7373-1(RCA)	159
7373-2(RCA)	159
7374-2(RCA)	123AP
7374-3(RCA)	123AP
7374-4(RCA)	123AP
7375-6(RCA)	172A
7376-1	222
7376-1(RCA)	222
7376-2	222
7376-2(RCA)	222
7376-3(RCA)	222
7376-5(RCA)	222
7377-2(RCA)	107
7377-3	229
7377-3(RCA)	229
7377-4(RCA)	107
7377-6	108
7377-6(RCA)	108
7377-7	229
7377-7(RCA)	108
7380-1(RCA)	238
7380-2(RCA)	389
7380-3	238
7381-2	123AP
7382-1(RCA)	5400
7391BT(Delco)	29
7391-BT(Delco)	29
7392-1	108
7392-1(RCA)	108
7392-2(RCA)	108
7398-1	49
7398-2(RCA)	49
7398-5(RCA)	152
7398-6117P1	123A
7398-6118P1	123A
7398-6119P	123A
7398-6119P1	123A
7398-6120P	300
7398-6120P1	300
7399-005(RCA)	152
7399-4	152
7399-5	152
7399-5(RCA)	152
7399-6(RCA)	375
7399-8(RCA)	152
7400	7400
7400-1(RCA)	123AP
7400-6A	7400
7400-9A	7400
7400/9N00	7400
7400A	7400
7400N	7400
7400PC	7400
7401-1	159
7401-1(RCA)	159
7401-6A	7401
7401-9A	7401
7401PC	7401
7402	708
7402-1	159
7402-6A	7402
7402-9A	7402
7402(TTL)	7402
7402N	7402
7402PC	7402
7403	505
7403-1	238
7403-1(RCA)	238
7403-6A	7403
7403-9A	7403
7403PC	7403
7404-6A	7404
7404-9A	7404
7404A	7404
7404N	7404
7404PC	7404
7405	7405
7405-002(RCA)	299§
7405-2	229
7405-2(RCA)	299§
7405-6A	7405
7405-9A	7405
7405PC	7405
7406	7406
7406-3	159
7406-3(RCA)	159
7406N	7406
7406PC	7406
7407-3	123AP
7407-3(RCA)	123AP
7407(IC)	7407
7407A	7407
7407N(IC)	7407
7407PC	7407
7408-1	222
7408-1(RCA)	222
7408-6A	7408
7408-9A	7408
7408A	7408
7408N	7408
7408PC	7408
7409-1	222
7409-1(RCA)	222
7409PC	7409
7410	7410
7410-6A	7410
7410-9A	7410
7410N	7410
7410PC	7410
7411-6A	7411
7411-9A	7411
7411PC	7411
7412	7412
7412DC	7412
7412PC	7412
7413	184
7413-1(RCA)	186
7413PC	7413
7414	152
7414-1(RCA)	373
7414PC	7414
7416NA	7416
7416PC	7416
7417(IC)	7417
7417N	7417
7417NA	7417
7417PC	7417
7419	708
7420	153
7420-1(RCA)	159
7420-6A	7420
7420-9A	7420
7420(IC)	7420
7420N	7420
7420PC	7420
7421	7421
7421-1(RCA)	184
7422	7422
7422PC	7422
7423	708
7423-001(RCA)	89
7423-1(RCA)	89
7423PC	7423
7425	108
7425PC	7425
7426	108
7426PC	7426
7427	108
7427PC	7427
7428(IC)	7428
7428(Transistor)	108
7428A	7428
7429	123A
7430	123A
7430-6A	7430
7430-9A	7430
7430N	7430
7430PC	7430
7431	123A
7432	123A
7432PC	7432
7433(IC)	7433
7433(Transistor)	123A
7437(GE)	198
7437PC	7437
7438PC	7438
7439DC	7439
7439PC	7439
7440	708
7440-6A	7440
7440-9A	7440
7440PC	7440
7441-6A	7441
7441-9A	7441
7441DC	7441
7441PC	7441
7442DC	7442
7442PC	7442
7443DC	7443
7443PC	7443
7444DC	7444
7444PC	7444
7445-1(RCA)	2302
7445DC	7445
7445PC	7445
7446A	7446
7446ADC	7446
7446APC	7446
7446PC	7446
7447	7447
7447AN(IC)	7447
7447BDC	7447
7447BPC	7447
7447DC	7447
7447PC	7447
7448DC	7448
7448PC	7448
7450-6A	7450
7450-9A	7450
7450PC	7450
7451-6A	7451
7451-9A	7451
7451PC	7451
7453-6A	7453
7453-9A	7453
7453PC	7453
7454-6A	7454
7454-9A	7454
7454PC	7454
7460-6A	7460
7460-9A	7460
7460PC	7460
7470-6A	7470
7470-9A	7470
7470PC	7470
7472-6A	7472
7472-9A	7472
7472PC	7472
7473-6A	7473
7473-9A	7473
7473PC	7473
7474	7474
7474-6A	7474
7474-9A	7474
7474/9N74	7474
7474N	7474
7474PC	7474
7475-6A	7475
7475-9A	7475
7475DC	7475
7475PC	7475
7476	7476§
7476-6A	7476§
7476-9A	7476§
7476PC	7476§
7480DC	7480
7480PC	7480

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
7481	7481§
7481CDC	7481§
7481PC	7481§
7482-6A	7482
7482-9A	7482
7482DC	7482
7482PC	7482
7483DC	7483
7483PC	7483
7485DC	7485
7485PC	7485
7486PC	7486
7490	7490
7490-6A	7490
7490-9A	7490
7490DC	7490
7490N	7490
7490PC	7490
7491DC	7491
7491PC	7491
7492-6A	7492
7492-9A	7492
7492DC	7492
7492PC	7492
7493	7493A
7493-6A	7493A
7493-9A	7493A
7493/9393	7493A
7493APC	7493A
7493DC	7493A
7493N	7493A
7493PC	7493A
7494DC	7494
7494PC	7494
7495DC	7495
7495PC	7495
7496DC	7496
7496PC	7496
7501	289A
7501(WURLITZER)	123AP
7502	199
7503	159
7503(WURLITZER)	159
7505	289A
7505(WURLITZER)	123AP
7506	123A
7506(WURLITZER)	123AP
7507	128
7507(WURLITZER)	123AP
7508	129
7508(WURLITZER)	159
7509	199
7509(WURLITZER)	123AP
7510	384
7510(Transistor)	175
7511	289A
7513	128
7514	130
7515	123A
7516	123A
7517	123A
7517S	123A
7518	123A
7519	289A
7543BPC	75453B
7550	177
7553	188
7554	139A
7555(IC)	955M
7555IPA	955MC
7555P(IC)	955M
7556IPD	978C
7568	116
7574	138A
7585	123A
7586	123A
7586(GE)	123A
7587	123A
7587(GE)	123A
7588	123A
7588(GE)	123A
7589	123A
7590	123A
7590(GE)	123A
7591(GE)	123A
7593-2	108
7610R	3062
7611R	3053
7620Y	3064
7621Y	3055
7623	159
7626	159
7630G	3063
7631G	3054
7636	991
7637	123A
7638	294
7638(IC)	7420
7639	294
7640	128
7641	123A
7642	108
7673(GE)	123AP
7675	123A
7676	123A
7701	125
7702-1A	125
7704-1	125
7706-1	125
7707	5065A
7708	5111A
7708-1	125
7709	5112A
7710	5112A
7711	5114A
7711-1	125
7712	5115A
7712-1	125
7713	135A
7713-1	125
7714	5117A
7715	5119A
7717	5121A
7718	5122A
7719	5124A
7720	5125A
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7805AHF(VR)	1960
7805C(VR)	960
7805F(VR)	1960
7805H(VR)	960
7805HF(VR)	1960
7805KC	309K
7805S(VR)	1960
7805UC	960
7806C(VR)	962
7806F(VR)	1962
7806HF(VR)	1962
7806S(VR)	1962
7808	964
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7808C(VR)	964
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7808FA(VR)	1964
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7815S(VR)	1972
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7818F(VR)	1974
7818HF(VR)	1974
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7908HF(VR)	1965
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7909F(VR)	1967
7909FA(VR)	1967
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7912F(VR)	1971
7912FA(VR)	1971
7912HF(VR)	1971
7912L(VR)	1973
7915AHF(VR)	1973
7915C	969
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7915F(VR)	1973
7915FA(VR)	1973
7915HF(VR)	1973
7918AHF(VR)	1975
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7918F(VR)	1975
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7918HF(VR)	1975
7918L(VR)	1975
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7924CP(VR)	1977
7924F(VR)	1977
7924FA(VR)	1977
7924HF(VR)	1977
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9331-019-60112	288
9331-025-00112	519
9331-038-00112	199
9331-038-10112	159
9331-038-20112	159
9331-038-30112	159
9331-038-40112	159
9331-038-60112	159
9331-044-70112	125
9331-045-70112	159
9331-045-81112	159
9331-065-80112	130
9331-066-00112	312
9331-083-90112	229
9331-086-40112	5019T1
9331-106-80112	611
9331-124-60112	127
9331-127-00112	519
9331-143-30112	312
9331-144-90112	94
9331-146-90112	168
9331-151-70112	159
9331-174-40112	159
9331-177-20112	5010T1
9331-177-30112	5011T1
9331-177-40112	5013T1
9331-177-90112	5019T1
9331-178-10112	5021T1
9331-179-30112	5038A
9331-190-40112	130MP
9331-206-50112	229
9331-206-60112	229
9331-214-60112	519
9331-260-60112	558
9331-283-50112	125
9331-295-30112	613
9331-304-20112	123AP
9331-304-40112	123AP
9331-304-50112	123AP
9331-304-70112	123AP
9331-304-80112	123AP
9331-305-20112	159
9331-305-40112	159
9331-305-80112	332 + 331(CP)
9331-307-60112	282§
9331-307-70112	323
9331-308-20112	185
9331-314-60112	199
9331-320-40112	130MP
9331-321-20112	606
9331-321-30112	5003A
9331-321-40112	5006A
9331-324-60112	127
9331-344-90112	94
9331-345-00112	581
9331-352-40112	154
9331-352-50112	154
9331-361-50112	613
9331-361-80112	389
9331-377-40112	613
9331-377-70112	613
9331-392-70112	519
9331-393-80112	154
9331-395-20112	519
9331-395-30112	519
9331-395-40112	519
9331-395-50112	177
9331-402-00112	185
9331-402-30112	184
9331-418-90112	283
9331-421-90112	580
9331-424-90112	5465
9331-434-90112	130
9331-448-90112	323
9331-491-80112	159
9331-491-90112	159
9331-492-00112	123AP
9331-492-10112	123AP
9331-492-20112	159MCP
9331-492-30112(MCP)	159MCP
9331-509-20112	123AP
9331-509-30112	123AP
9331-509-40112	123AP
9331-509-50112	123AP
9331-509-60112	123AP
9331-509-70112	123AP
9331-509-80112	199
9331-510-00112	123AP
9331-510-20112	199
9331-510-30112	159
9331-510-40112	159
9331-510-50112	159
9331-510-60112	159
9331-510-90112	229
9331-511-20112	229
9331-561-30112	245
9331-573-10112	130MP
9331-573-20112	130MP
9331-573-30112	284MP
9331-591-80112	5125A◆
9331-592-50112	5135A◆
9331-595-90112	288
9331-598-70112	185
9331-600-00112	5074A
9331-603-50112	185
9331-603-60112	184
9331-603-70112	185
9331-608-80112	177
9331-635-00112	116
9331-642-50112	229
9331-642-60112	229
9331-661-20112	282§
9331-661-30112	323
9331-662-40112	159
9331-668-10112	5010T1
9331-668-20112	5011T1
9331-668-20113	5011T1
9331-668-30112	5013T1
9331-668-70112	5019T1
9331-668-70113	5019T1
9331-668-90112	5021T1
9331-668-90113	5021T1
9331-669-20113	5011T1
9331-669-90113	5021T1
9331-670-10112	5038A
9331-722-50112	159
9331-726-50112	312
9331-727-10112	185MCP
9331-727-40112	332MCP
9331-727-50112(MCP)	332MCP
9331-757-50112	3020
9331-770-20112	185
9331-770-30112	184
9331-770-40112	185
9331-770-70112	185MCP
9331-771-10112	165
9331-795-20112	298
9331-795-30112	298
9331-795-50112	123AP
9331-795-60112	298
9331-795-80112	123AP
9331-795-90112	123AP
9331-796-10112	123AP
9331-796-20112	123AP
9331-796-60112	123AP
9331-810-01682	941M
9331-834-60112	581
9331-834-80112	508◆
9331-843-60112	3020
9331-849-10112	595
9331-849-10115	595
9331-849-10212	595
9331-849-10215	595
9331-858-20112	4928
9331-884-80112	373
9331-895-60112	323
9331-905-70112	456
9331-911-70112	374
9331-918-10112	283
9331-938-10112	283
9331-950-30112	197
9331-972-70112	263
9331-972-80112	263
9331-974-20112	248 + 247(CP)
9331-974-30112	248
9331-974-40112	248
9331-974-60112	247
9331-976-10112	123AP
9331-976-20112	123AP
9331-976-30112	123AP
9331-976-40112	123AP
9331-976-50112	123AP
9331-976-60112	123AP
9331-976-70112(CBE)	199
9331-976-70116(CBE)	199
9331-976-80112	123AP
9331-976-90112	123AP
9331-977-00112	199
9331-977-20112	159
9331-977-30112	159
9331-977-40112	159
9331-977-50112	159
9331-977-60112	159
9331-977-70112	159
9331-977-80112	159
9331-978-20112	246
9331-981-40112	5220A
9331-985-30112	153
9331-985-40112	152
9331-985-50112	153
9331-985-60112	153MCP
9331-985-70112(MCP)	153MCP
9331-987-70112	229
9331-987-80112	229
9331-991-22682	891M
9332-023-30112	165
9332-023-40112	165
9332-023-60112	165
9332-023-80112	116
9332-024-20112	116
9332-026-20112	159
9332-027-50112	152
9332-027-60112	153
9332-030-20112	615A
9332-055-20112	123AP
9332-055-40112	159
9332-064-90112	153MCP
9332-066-00112	287
9332-068-80112	552
9332-075-20112	123AP
9332-075-30112	123AP
9332-075-40112	123AP
9332-075-50112	123AP
9332-075-70112	199
9332-081-80112	552
9332-081-90112	558
9332-083-90112	519
9332-084-00112	519
9332-084-10112	519
9332-152-80112	165
9332-159-20112	610
9332-173-60112	5465
9332-200-00112	331
9332-200-10112	332
9332-201-10112	5812
9332-203-40112	3010
9332-208-70112	5465
9332-219-30112	382
9332-219-40112	382
9332-219-50112	383
9332-219-60112	383
9332-219-70112	383
9332-225-10112	165
9332-225-20112	165
9332-226-40112	383 + 382(CP)
9332-226-50112	383 + 382(CP)
9332-237-40112	3074
9332-239-10112	5010T1
9332-243-60112	165
9332-252-20112	263 + 264(CP)
9332-252-70112	248 + 247(CP)
9332-265-90112	552
9332-265-00112	552
9332-274-10112	283
9332-277-10112	165
9332-278-00112	94
9332-283-80112	160
9332-303-20112	130
9332-303-30112	130
9332-305-90112	332MCP
9332-306-60112	263
9332-306-90112	263 + 264(CP)
9332-345-50112	253 + 254(CP)
9332-350-20112	374
9332-375-40112	580◆
9332-377-70112	123AP
9332-377-80112	123AP
9332-377-90112	199
9332-387-50112	3007
9332-436-00112	199
9332-436-30112	159
9332-467-60112	2345
9332-467-60127	2345
9332-467-70112	2346
9332-467-70127	2346
9332-467-80112	2345
9332-467-80127	2345
9332-467-90127	2346
9332-468-00127	2345
9332-468-10112	2346
9332-468-10127	2346
9332-468-20112	2345
9332-468-20127	2345
9332-468-30112	2346
9332-468-30127	2346
9332-580-10112	109
9332-582-00112	109
9332-588-40112	116
9332-593-50112	399
9332-593-60112	288
9332-596-10112	5021T1
9332-610-40112	294 + 293(CP)
9332-614-50112	1785
9332-625-40112	165
9332-635-10112	123AP
9332-635-10747	199
9332-635-30112	123AP
9332-641-90112	3010
9332-643-00112	254
9332-644-70112	616
9332-646-10112	130
9332-671-80112	611
9332-696-70112	374
9332-699-50112	263
9332-699-60112	263
9332-699-90112	264
9332-700-00112	262
9332-704-20112	159
9332-715-60112	2327
9332-715-60127	2327
9332-715-70112	2327
9332-715-70127	2327
9332-715-90112	3020
9332-726-20112	184
9332-733-30112	3022
9332-762-20112	165
9332-788-80112	3020
9332-800-60112	116
9332-833-00112	558
9332-846-10112	284
9332-846-20112	285
9332-853-60112	331
9332-853-70112	332
9332-860-60112	3024
9332-860-70112	3010
9332-860-90112	3011
9332-883-00112	379
9332-886-10112	3020
9332-890-40002	2313
9332-890-40112	2313
9332-890-40127	2313
9332-965-90112	2313
9332-965-90127	2313
9332-979-90112	552
9333-004-10112	116
9333-004-70112	3010
9333-006-00112	960
9333-184-80112	3025
9333-203-20112	519
9333-203-30112	3008
9333-203-40112	3010
9333-217-40112	184
9333-217-60112(MCP)	185MCP
9333-237-40112	3074
9333-240-60112	3007
9333-240-70112	3010
9333-266-20112	2341
9333-266-20116	2341
9333-266-20126	2341
9333-266-30112	2341
9333-266-30116	2341
9333-266-40112	2341
9333-266-40116	2341
9333-266-40126	2341
9333-266-50112	2342
9333-266-50116	2342
9333-266-60112	2342
9333-266-70112	2342
9333-266-70126	2342
9333-275-90112	2310
9333-283-40112	125
9333-298-00112	49
9333-303-40112	968
9333-477-30212	2403
9333-477-30215	2403
9333-526-70112	199
9333-526-90112	159
9333-608-70112	519
9333-637-10112	253 + 254(CP)
9333-638-00112	3079
9333-646-50112	263 + 264(CP)
9333-663-00112	123AP
9333-663-30112	123AP
9333-664-00112	159
9333-727-10112	615A
9333-858-80112	3077
9333-885-60112	3079
9333-902-50112	2310
9333-904-60112	6408
9333-913-40112	210
9333-929-30112	116
9333-970-00112	3007
9334-085-90112	271
9334-086-00112	270
9334-107-10112	594
9334-107-10115	594
9334-107-10212	594
9334-107-10215	594
9334-109-10112	271
9334-109-30112	270
9334-146-40112	2319
9334-148-20112	62§
9334-164-50112	62§
9334-180-70112	2428
9334-180-70115	2428
9334-180-80112	2428
9334-180-80115	2428
9334-180-80135	2407
9334-180-80235	2428
9334-180-90112	2428
9334-180-90115	2428
9334-181-00112	2428
9334-181-00115	2428
9334-181-10112	2429
9334-181-10115	2429
9334-181-20112	2429
9334-181-20115	2429
9334-181-30112	2429
9334-181-30115	2429
9334-181-40112	2429
9334-181-40115	2429
9334-195-90112	253 + 254(CP)
9334-232-90112	3007
9334-241-00112	1760
9334-291-20112	5050A
9334-298-10112	50
9334-309-30112	284
9334-309-40112	285
9334-309-50112	3010
9334-309-90112	3007
9334-356-10112	552
9334-356-20112	552
9334-360-80112	1804
9334-362-50112	3025
9334-480-00112	54
9334-480-00127	54
9334-480-10112	55
9334-480-10127	55
9334-480-20112	54
9334-480-20127	54
9334-480-30112	55
9334-480-30127	55
9334-480-40112	54
9334-480-40127	54
9334-480-50112	55
9334-480-50127	55
9334-480-60112	54
9334-480-60127	54
9334-480-70112	55
9334-480-70127	55
9334-480-80112	54
9334-480-80127	54
9334-480-90112	55
9334-480-90127	55
9334-507-30127(ECB	187A
9334-519-60112	2344
9334-519-60127	2344
9334-519-70112	2344
9334-519-70127	2344
9334-519-80112	2344
9334-519-80127	2344
9334-519-90112	2344
9334-519-90127	2344
9334-520-00112	2343
9334-520-00127	2343
9334-520-10112	2343
9334-520-10127	2343
9334-520-20012	2343
9334-520-20112	2343
9334-520-20127	2343
9334-520-30112	2343
9334-520-30127	2343
9334-604-90112	281MCP
9334-605-00112(MCP)	281MCP
9334-606-20112	593
9334-606-20115	593
9334-606-20212	593
9334-606-20215	593
9334-606-20235	593
9334-620-00112	1566
9334-668-30112	125
9334-700-50112	580◆
9334-710-20112	7001
9334-735-40112	395
9334-735-40412	395
9334-736-40112	281MCP
9334-753-50112	229
9334-753-60112	229
9334-781-70112	3057
9334-899-60112	1292§

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
9334-942-70112	116
9334-955-50112	3074
9334DC	74LS259
9334PC	74LS259
9335-000-70113	580
9335-001-40113	580
9335-001-50113	580
9335-001-70113	580
9335-001-80113	580
9335-020-20112	592
9335-020-20115	592
9335-020-20212	592
9335-020-20215	592
9335-020-30112	592
9335-020-30115	592
9335-020-30212	592
9335-020-30215	592
9335-020-40112	592
9335-020-40115	592
9335-020-40212	592
9335-020-40215	592
9335-079-50112	4538B
9335-079-50652	4538B
9335-079-50699	4538B
9335-083-70112	2406
9335-083-70115	2406
9335-083-70212	2406
9335-083-70215	2406
9335-083-80112	2406
9335-083-80212	2406
9335-083-80215	2406
9335-083-80235	2406
9335-083-90212	2407
9335-083-90215	2407
9335-084-00212	2407
9335-084-00215	2407
9335-084-00235	2407
9335-5D	9335
9335-123-20112	47
9335-148-30112	3041
9335-162-50156	2406
9335-162-50212	2406
9335-162-50215	2406
9335-162-60112	2407
9335-162-60212	2407
9335-162-60215	2407
9335-162-70112	2431
9335-162-70115	2431
9335-162-80112	2431
9335-162-80115	2431
9335-162-90112	2430
9335-162-90115	2430
9335-163-00112	2430
9335-163-00115	2430
9335-258-50112	7001
9335-330-20678	1917
9335-330-20682	1917
9335-330-20686	1917
9335-515-60115	2402
9335-515-60212	2402
9335-515-60215	2402
9335-604-50112	1804
9335-778-90112	1465
9335-778-90682	1465
9335-825-70112	2300
9335-871-50112	2311
9335-895-00112	2407
9335-895-00212	2407
9335-895-00215	2407
9335-895-10115	2407
9335-895-10212	2407
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9335-895-20212	2406
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9335-895-50212	2408
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9335-895-80112	2408
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9335-896-70212	2408
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9335-897-10156	2409
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9335-897-30212	2409
9335-897-30215	2409
9335-898-00112	2409
9335-898-00212	2409
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9335-898-90691	2409
9335-898-90692	2409
9335-898-90693	2409
9335-898-90694	2409
9335-898-90695	2409

To Be Replaced	ECG Replacement
16088	7490
16111	5635
16113	152
16114	175
16115	196
16135H	1973
16162	5626§
16163	196
16164	152
16165	196
16166	152
16167	197
16169	197
16170	5635
16175	197
16176	130
16181	152
16182	152
16190	108
16191	128
16194	108
16201	130
16207	152
16208	5635
16230	130
16232	124
16234	130
16235	130
16237	199
16238	5675
16239	129
16240	130
16241	152
16254	128
16259	124
16261	130
16266	130
16266(IC)	9602
16267	181
16277	196
16279	197
16287	130
16289	5635
16291	5635
16292	130
16299	130
16305	152
16306	197
16315	1973
16319	130
16320	130
16334	152
16335	152
16336	152
16338	130
16341	196
16342	197
16598	102
16599	121
16605	707
16681	116
16958	102
16959	121
17001-1	614
17001-1(Fisher)	614
17001-6	614
17001-6(Fisher)	614
17002	116
17011-1	5547
17045	159
17047-1	102
17142	102
17143	102
17144	123
17246-33	5642
17401G0A	5580
17401G0B	5580
17401G0A	5580
17401G0B	5580
17402G0A	5580
17402G0B	5580
17402G0A	5580
17402G0B	5580
17403G0A	5582
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34005-1	727
34006DC	4006B
34006PC	4006B
34007	4007
34008DC	4008B
34008PC	4008B
34011	4011B
34011DC	4011B
34011PC	4011B
34012DC	4012B
34012PC	4012B
34013DC	4013B
34013PC	4013B
34014DC	4014B
34014PC	4014B
34015DC	4015B
34015PC	4015B
34016DC	4016B
34016PC	4016B
34017DC	4017B
34017PC	4017B
34018BDC	4018B
34018BPC	4018B
34019DC	4019B
34019PC	4019B
34020BDC	4020B
34020PC	4020B
34021DC	4021B
34021PC	4021B
34022	121
34022BDC	4022B
34022BPC	4022B
34023BDC	4023B
34023BPC	4023B
34023PC	4023B
34024BDC	4024B
34024BPC	4024B
34025PC	4025B
34027	4027B
34027DC	4027B
34027PC	4027B
34028DC	4028B
34028PC	4028B
34029DC	4029B
34029PC	4029B
34030BPC	4020B
34030DC	4030B
34030PC	4030B
34034BC	4034B
34034DC	4034B
34040DC	4040B
34040PC	4040B
34041DC	4041
34041PC	4041
34042DC	4042B
34042PC	4042B
34043	4043B
34043DC	4043B
34043PC	4043B
34044	128
34044DC	4044B
34044PC	4044B
34046	4046B
34046DC	4046B
34046PC	4046B
34047DC	4047B
34047PC	4047B
34048	126A
34048-1	708
34049-1	722
34049PC	4049
34050PC	4050B
34051DC	4051B
34051PC	4051B
34052DC	4052B
34052PC	4052B
34053DC	4053B
34053PC	4053B
34055DC	4055B
34055PC	4055B
34066PC	4066B
34068DC	4068B
34068PC	4068B
34069DC	4069
34069PC	4069
34070DC	4070B
34070PC	4070B
34071BC	4071B
34071DC	4071B
34071PC	4071B
34072DC	4072B
34072PC	4072B
34073DC	4073B
34073PC	4073B
34075DC	4075B
34075PC	4075B
34077BDC	4077B
34077BPC	4077B
34077PC	4077B
34078DC	4078B
34078PC	4078B
34081DC	4081B
34081PC	4081B
34082DC	4082B
34082PC	4082B
34085DC	4085B
34085PC	4085B
34086DC	4086B
34086PC	4086B
34093DC	4093B
34093PC	4093B
34099PC	4099B
34101	5527
34118	160
34119	100
34174	116
34201	156
34202-1	727
34208	130
34219	100
34220	100
34221	100
34262	102A
34298	121
34315	121
34342	160
34379-1	720
34389	160
34394	116
34401-1	OBS-NLA
34405	5802
34423	160
34424	506
34425	121
34452-1	709
34459	127
34493P	102
34502-1	778A
34503-1	722
34510DC	4510B
34510PC	4510B
34511BD	4511B
34511BP	4511B
34512DC	4512B
34512PC	4512B
34514DC	4514B
34514PC	4514B
34515DC	4515B
34515PC	4515B
34518DC	4518B
34518PC	4518B
34520DC	4520B
34520PC	4520B
34526	121
34527PC	4527B
34528DC	4528B
34528PC	4528B
34531DC	4531B
34531PC	4531B
34539DC	4539B
34539PC	4539B
34553	160
34555DC	4555B
34555PC	4555B
34556DC	4556B
34556PC	4556B
34582DC	40182B
34582PC	40182B
34583DC	4583B
34583PC	4583B
34588A	128
34675	160
34715	104
34871	102
34923	158
34942	160
34966	176
35001	130
35002	175
35004	108
35044	121
35045	102
35059-1	712
35070	160
35084	104
35086	102
35144	121
35168	126A
35169	160
35170	160
35201	104
35210	128
35212	128
35218	176
35219	142A
35231	121
35257-4	2327
35260	104
35287	116
35287A	116
35289	116
35303	128
35306	116
35333	125
35349	121
35383	128
35392DC	3539
35392PC	3539
35405	175
35449	108
35452-2	158
35454	102
35454-1	158
35454-2	158
35454-3	158
35500	116
35524	181
35590	102A
35604	5804
35628	102A
35677	102A
35678	102A
35682-104-620	1895
35684-107-534	966
35684-114-010	376
35684-116-010	54
35684-117-710	7068
35684-120-410	1910
35728	121
35792	102A
35815	160
35816	102A
35817	102A
35818	126A
35819	158
35820	102
35820-1	158
35820-2	158
35820-3	158
35824	102A
35885A	121
35885B	121
35888	128
35950	102
35951	121
35952	102
35953	102
35954	102
35955	102
36091R	5883
36145	128
36147	5802
36201	116
36203	121
36212	108
36212V1	108
36212V1(RF PWR)	195A
36213	188
36213A2	195A
36274	175
36303	121
36304	121
36304-4	121
36312	121
36313	100
36320	175
36340	176
36359-4	121MP
36370-05490	175
36387	128
36395	121
36466	128
36477	121
36503(Aircastle)	116
36508	109
36534	102
36535	5809
36537	5809
36539	142A
36545	130
36549	116
36554	116
36555	116
36557	102
36558	102
36559	126A
36560	126A
36563	126A
36564	116
36577	129
36578	108
36579	128
36580	123A
36581	108
36582	312
36591	5802
36634	124
36642	130
36642D	130
36643	128
36643A	128
36662	311
36673	176
36680	311
36680A	311
36682	128
36687	121
36695	176
36748	128
36800-2	121
36800-3	121
36800-4	121
36800-5	121
36800-6	121
36800-7	121
36803	311
36816	100
36846	130
36847	108
36848	311
36849	311
36850	311
36855	130
36892	130
36896	104
36910	121
36913	195A
36917	123A
36918	108
36919	108
36920	123A
36921	123A
36946	130
36953	130
36971	121
36997	311
37077	175
37126-1	116
37267	130
37269	129
37278	160
37279	103A
37280	128
37287	128
37334	161
37383	108
37384	108
37393	128
37431	311
37432	311
37433	311
37445	128
37464	128
37475	130
37476	181
37477	282§
37478	129
37484	175
37486	159
37510-52	177
37510-53	110MP
37510-54	5072A
37510-161	199
37510-162	123A
37510-163	123A
37510-164	1100
37510-165	1052
37510-166	1052
37510-167	1081A*
37549	102A
37550	102A
37551	102A
37552	103A
37563	130
37584	124
37585	123
37599	175
37628	311
37649	128
37663	130
37664	129
37677	102
37680	116
37682	5547
37694	128
37694A	108
37694B	108
37702-1	714
37703-1	715
37704-1	790
37725	154
37730	124
37740	129
37741	128
37763	175
37764	129
37767	128
37793	129
37800	128
37806	128
37833	100
37833-2	909D
37840	128
37847	128
37884	123A
37888	130
37894	311
37899	128
37900	175
37913	175
37918	129
37932	278
37966	129
37967	181
37974	181
37975	128
37982	128
37986-3563	107
37986-4040	107
37986-4046	107
37987	116
37992	5529
38045	128
38049	181
38052	5802
38057	102A
38058	128
38063	311
38074	5804
38091	158
38093	126A
38094	121MP
38095	159
38112	124
38117	102A
38120	154
38121	154
38122	195A
38137	130
38138	130
38166	130
38174	116
38175	103
38176	102A
38177	102
38178	123
38182	128
38190	311
38199	101
38200	101
38207	108
38208	108
38209	100
38246	161
38246A	108
38265-00000	784
38265-00010	784
38265-00020	784
38265-00030	784
38267	181
38268	181
38269	158
38270	128
38271	128
38272	130
38279	311
38281	278
38283	123A
38332	5626§
38334	128
38354	128
38361	128
38378	220
38385	5806
38388	129
38397	181
38398	128
38424	128
38432	128
38443	175
38446-00000	724
38446-00010	724
38446-00020	724
38446-00030	724
38448	186
38458	129
38468	128
38473	181
38474	130
38475	128
38476	128
38478	199
38491	181
38494	130
38495	128
38496	129
38497	128
38510-53	140A
38510-54	177
38510-161	312
38510-162	229
38510-163	123A
38510-164	199
38510-165	192§
38510-166	123A
38510-167	123A
38510-168	186A
38510-169	788
38510-170	801
38510-171	1087
38510-330	177
38510-331	5070A
38510-350	199
38511	108
38511A	108
38533	126A
38551	128
38563	222
38588	128
38608	5547
38609	5547
38626	130
38654	129
38659	128
38680	160
38681	160
38685	102A
38716	128
38725	128
38731(Kalof)	130
38733	152
38734	129
38735	128
38736	128
38737	129
38785	108
38786	108
38787	161
38788	123A
38789	195A
38804	390
38837	128
38840	5626§
38869	128
38870	129
38885	5527
38890	5626§
38897	130
38916	128
38920	108
38921	108
38927	5626§
38927-00000	905
38965	181
38970	5529
38971	311
38976	5527
38986	311
38996	154
39005	5547
39034	123A
39039	5626§
39042	177
39043	311
39053	160
39060-1	747
39075-1	738
39096	123A
39097	128
39114	129
39119	5527
39123	124
39127	130
39140	181
39148	130
39149	124
39196	181
39213	130
39231	128
39238	128
39248	128
39250	129
39251	130
39252	128
39255	128
39264	6408
39285	175
39299	5527
39302	152
39311	128
39329	128
39331	108
39369	130
39377	124
39414	130
39440	129
39443	128
39455	181
39458	184
39462	128
39465	181
39466	181
39477	124
39485	128
39486	128
39492	130
39510	157
39542	5642
39558	5695
39561	128
39587	128
39616	181
39617	128
39618	129
39619	129
39635	181
39669	5626§
39705	128
39713	128
39715	124
39729	316
39730	108
39731	108
39741	192§
39750	152
39750(Orrtronics)	184
39751	181
39763	6408
39767	152
39789	108
39789(Power)	152
39804	5802
39805	5626§
39811	5642
39824	152
39830	5547
39835	128
39840	5626§
39842	128
39853	129
39863	128
39864	128
39865	129
39868	128
39876	192§
39893	121
39901-0001	105
39902	5444
39919	192§
39920	128
39921	130
39923	194
39940	128
39948	152
39952	5695
39954	130
39981	152
40004	160
40005	160
40006	160
40022	104
40024	116
40024VM	116
40034	102A
40034-1	102A
40034-2	102A
40034-3	102A
40034VM	102A
40035	102A
40035-1	102A
40035-2	102A
40035-3	102A
40036	102A
40036-1	102A
40036-2	102A
40036-3	102A
40037	103A
40037-1	103A
40037-2	103A
40037-3	103A
40037VM	103A
40038	102A
40038-1	102A
40038-2	102A
40038-3	102A
40038VM	102A
40050	104
40051	121
40051-2	121
40053	128
40080	329
40081	329
40081V1	329
40082	329
40082A2	329
40084	123A
40085	74C85
40085BDC	40085B
40085BPC	40085B
40097BDC	40097B
40097BPC	40097B
40098BDC	40098B
40098BPC	40098B
40100	40100B
40100B	40100B
40106	40106B
40106B	40106B
40108	5870
40108R	5871
40109	5874
40109R	5875
40110	5874
40110R	5879
40111	5878
40111R	5879
40112	5878
40112R	5879
40113	5882
40113R	5883
40114R	5883
40115	5886
40115R	5887
40143	116
40151	130
40160BDC	40160B
40160BPC	40160B
40161BDC	40161B
40161BPC	40161B
40162BDC	40162B
40162BPC	40162B
40163BDC	40163B
40163BPC	40163B
40174	74C174
40174BDC	40174B
40174BPC	40174B
40182	40182B
40182B	40182B
40192BDC	40192B
40192BPC	40192B
40193	74C193
40193BDC	40193B
40193BPC	40193B
40193DC	40193B
40194BDC	40194B
40194BPC	40194B
40195BDC	40195B
40195BPC	40195B
40208	5980
40208R	5981
40209R	5983
40210	5986
40210R	5987
40211	5988
40211R	5989
40212	5990
40212R	5991
40213	5992
40213R	5993
40214	5994
40214R	5995
40216	5547
40217	123A
40218	123A
40219	123A
40220	123A
40221	123A
40222	123A
40231	161
40232	161
40233	161
40234	161
40235	161
40236	161
40237	161
40238	161
40239	161
40240	161
40242	161
40243	161
40244	161
40245	161
40245-1	161
40245-2	161
40245-3	161
40246	161
40250	384
40250V1	404/175
40251	130
40253	102A
40254	104
40256	191
40259	161
40259(Rect.)	5882
40260	161
40263	102A
40263(RCA)	160
40264	124
40264V1	124
40265	116
40266	5801
40267	5802
40268	126A
40269	100
40280	346
40280R	5995
40282	476
40283	123A
40290	473
40294	161
40295	316
40296	316
40309	128
40309V1	128
40309V2	128

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
40310	175
40311	128
40311A	188
40311B	188
40312	175
40313(H. Kardon)	128
40314	128
40315	128
40316	175
40317	128
40319	129
40319S	129
40320	128
40321	396
40322	286
40323	128
40324	175
40325	130
40326	128
40327	396
40328	124
40329	102A
40346	396
40346V1	191
40346V2	427/396
40347	324
40347V2	225
40348	324
40348V2	225
40349V2	225
40350	161
40351	161
40352	161
40354	154
40355	154
40359	102A
40360	128
40360V1	188
40361	128
40362	129
40362S	129
40363	130
40364	175
40366	128
40367	324
40369	130
40370	100
40374	124
40379	5527
40383	116
40385	396
40390	191
40391	401/129
40392	128
40395	102A
40396N	103A
40396P	102A
40397	123A
40398	123A
40399	123A
40400	123A
40403	102
40404	278
40405	123A
40406	129
40406S	129
40407	128
40408	128
40409	401/128
40410	401/129
40411	181
40412	396
40412V2	427/396
40413	108
40414	108
40421	121♦
40422	124
40423	124
40424	175
40425	124
40426	124
40427	124
40429	56006
40430	5635♦
40439	191
40439(RCA)	127
40439V1	191
40439V2	191
40440	127
40442	127
40444	327
40446	224
40456(RCA)	123A
40457	128
40458	128
40459	154
40461	312
40461-2	128
40462	104
40464	130
40465	130
40466	130
40467A	220
40468	312
40468A	220
40469	311
40470	108
40471	311
40472	161
40473	123A
40474	123A
40475	161
40476	161
40477	123A
40478	161
40479	161
40480	108
40481	161
40482	108
40488	126A
40490	102A
40491	124
40500	123A
40501	128
40502	5624§
40503	5626§
40504	5444
40505	5446
40506	5448
40507	5444
40508	5446
40509	5624§
40510	5626§
40511	5624§
40512	5626§
40517	123
40518	123
40519	123A
40525	5650
40526	5651
40527	5652
40528	5650
40529	5651
40530	5652
40537	129
40537L	129
40537S	129
40538	129
40538L	129
40538S	129
40539	128
40539L	128
40539S	128
40544	225
40546	124
40547	124
40553	230
40554	230
40555	230
40559A	220
40576	56006
40577	123A
40578	128
40581	329
40582	224
40583	6408
40594	188
40595	323
40595VX	129
40600	221
40601	221
40602	221
40603	221
40604	221
40608	278
40611	128
40612	121
40613	152
40616	128
40618	152
40620	282§
40621	152
40622	152
40623	121MP
40624	196
40625	401/128
40626	121
40627	196
40628	401/128
40629	152
40630	152
40631	152
40632	196
40632(IC14)	152
40634	129
40635	128
40636	284
40637	123A
40638	5624§
40639	5626§
40640	230
40641	231
40642	515
40643	515
40644	515
40646	427/396
40648	124
40650	171
40662	5693
40663	5695
40668	5633
40669	5635
40672	5697
40673	222
40689	5697
40690	5697
40691	5651
40692	5652
40702	5693
40703	5695
40704	5697
40707	5693
40708	5695
40710	5697
40713	5673
40714	5675
40716	5675
40719	5675
40720	5675
40721	5633
40722	5635
40737	5514
40738	5514
40739	5515
40740	5516
40741	5491
40742	5492
40743	5494
40744	5496
40749	5514
40750	5514
40751	5515
40752	5516
40763	102A
40766	5650
40777	5673
40778	5675
40781	5673
40782(I.C.)	804
40782(Triac)	5675
40785	5673
40786	5675
40789	5683
40790	5697
40793	5693
40794	5695
40796	5677
40798	5677
40801	5677
40806	56024
40808	125
40809	125
40809(Trans)	103A + 102A(CP)
40814	128
40815	129
40816(RCA)	196
40819	454§
40820	454§
40821	454§
40822	454§
40823	222
40828	102A
40838	130
40841	221
40842	5637
40850	124
40852	283
40852(VM)	102A
40853	283
40853(VM)	158
40867	5462
40868	5463
40869	5465
40880	230
40888	230
40889	231
40890	515
40891	515
40892	515
40894	316
40895	316
40896	316
40897	316
40899	231
40900	5632
40901	5633
40902	5635
40909	103A + 102A(CP)
40934-1	130
40955	345
40964	486
40965	486
40967	362
40968	364
40970	366
40971	367
40972	472
40973	350
40974	351
40977	359
41001-4	116
41008A	362
41009A	362
41010	364
41014	5633
41015	5635
41020-618	125
41020(RCA)	308
41021(RCA)	308
41023-224	125
41023-225	125
41023(RCA)	308
41051	123A
41052	129
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71687-001	159
71687-1	159
71687-101	159
71687-201	159
71748-001	326
71748-1	312
71778	109
71779	116
71780	5009A
71783	169
71794	156
71818-001	159
71818-1	159
71819-001	128
71819-1	123A
71887-001	326
71887-002	326
71887-1	326
71887-2	326
71887-101	326
71961-001	396
71961-1	128
71962-001	129
71962-1	129
71963-001	199
71963-1	199
71964-001	130MP
71964-1	130
71965-001	114
71965-1	177
72003	176
72004	176
72006	176
72013	109
72020	358
72031	130
72036	115
72041	116
72053	113A
72054-001	172A
72054-1	172A
72054-101	172A
72058	116
72058A	116
72059	358
72060	109
72079	116
72079-001	116
72079-002	116
72079-003	116
72079-004	116
72079-1	116
72079-2	125
72079-3	125
72079-4	125
72080	109
72093-001	184
72097	116
72101	116
72103	116
72109	116
72110	118
72111	119
72113	116
72113A	116
72114	123A
72115	123A
72116	123A
72117	102A
72117-001	153
72117-1	187
72117-101	153
72119	116
72123	116
72123A	116
72128	110MP
72128A	109
72129	109
72129A	109
72130	116
72130-1	116
72131-001	6402§
72131-002	6402§
72131-1	6402§
72131-102	6402§
72132-001	829
72132-1	829
72133-1	767§
72133-2	767§
72135	138A
72135-C	138A
72137	506
72145	116
72145A	116(5)
72146	177
72147	177
72148	113A
72150	102A
72151	123A
72151(Rectifier)	156
72152	178MP
72158	116
72161-1	506
72162-1	522
72162-2	500A
72163-1	178MP
72165-1	5097A
72165-3	5068A
72165-5	5099A
72165-6	5101A
72167-002	5801
72167-2	5801
72168-001	3018
72168-2	5081A
72168-3	137A
72171-1	116
72172-1	125
72173-1	5463
72174-1	166
72176	116
72180	523/3306
72181-001	74121
72181-101	74121
72185	7476§
72185-001	7476§
72185-101	7476§
72186-1	3018
72190	158
72191	103A
72192-001	186
72192-1	186
72192-101	152
72193	131
72197	177
72204	123A
72206	123A
72207	123A
72208-001	5635
72233-001	211
72233-1	211
72233-101	292
72258-001	2040§
72259-001	289A
72259-002	129
72259-003	384
72259-1	289A
72300PB5	5651
72303PM	5643
72333-001	976
72351-001	199
72393-001	4049
72394-001	4011B
72396-001	4012B
72397-001	4013B
72398-001	4027B
72399-001	4024B
72409-001	467
72411-001	4016B
72412-001	74C164
72414-001	309K
72415-001	931
72415-003	933
72417-001	5452
72417-101	5452
72461-001	4050B
72462-001	7475
72463-001	74154
72468-001	74C04
72469-001	2042§
72473-001	141A
72474-001	5402
72475-001	7400
72476-001	74C00
72477-001	74C76
72513-001	74C20
72541-001	74C10
72544-001	74C175
72546-001	219
72547-001	2013
72548-001	2041§
72591-001	130
72599-101	948
72601-001	4051B
72602-001	74C193
72648-001	4006B
72649-001	4006B
72651-001	74C02
72653-001	74C154
72668-001	980
72784-21	100
72784-22	102A
72784-23	102A
72797-80	126A
72797-81	160
72799-41	102A
72813-10	102A
72823-001	4013B
72824-001	4015B
72825-001	4042B
72827-001	4069
72828-001	4071B
72829-001	4081B
72830-001	4082B
72831-001	4516B
72832-001	4555B
72833-001	4001B
72834-001	4002B
72835-001	4011B
72836-001	4023B
72839-001	902
72847-51	102A
72856-63	121
72874-52	123A
72879-39	126A
72879-40	126A
72923-08	160
72941-33	102A
72949-10	108
72951-95	108
72951-96	108
72963-14	123A
72979-80	108
73100-9	102A
73601-1	123A
74004-1	724
74004-2	724
74021-1	74H30
74107PC	74107
74109	74109
74109B	74109
74111	74111§
74121PC	74121
74122PC	74122
74123	74123
74123N	74123
74123PC	74123
74125	74125
74125N	74125
74126	74126
74126A	74126
74126PC	74126
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74128A	74128
74132	74132
74132A	74132
74132PC	74132
74138	74LS138
74141DC	74141
74141PC	74141
74145	74145
74145DC	74145
74145PC	74145
74150DC	74150
74150PC	74150
74151DC	74151
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74156DC	74156
74156PC	74156
74157DC	74157
74157PC	74157
74163	74163
74163N	74163
74164DC	74164
74164PC	74164
74165DC	74165
74165PC	74165
74166DC	74166
74166N	74166
74166PC	74166
74170DC	74170
74170PC	74170
74173DC	74173
74173PC	74173
74174	74174
74174DC	74174
74174PC	74174
74175DC	74175
74175PC	74175
74176DC	74176
74176PC	74176
74177(IC)	74177
74177DC	74177
74177PC	74177
74178DC	74178§
74178PC	74178§
74179DC	74179
74179PC	74179
74180DC	74180
74180PC	74180
74181DC	74181
74181PC	74181
74182DC	74182
74182PC	74182
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74191DC	74191
74191PC	74191
74192DC	74192
74192PC	74192
74193	74193
74193DC	74193
74193PC	74193
74195N	74195
74196DC	74196
74196PC	74196
74197DC	74197
74197PC	74197
74198DC	74198
74198PC	74198
74199DC	74199
74199PC	74199
74200-8	116
74200-9	116
74221N	74221
74290DC	74290
74290PC	74290
74293DC	74293§
74293PC	74293§
74651-02	123A
74662	181
75145-3	128
75188N	75188
75189A	75189
75230-9	116
75450APC	75450B
75450BA	75450B
75450BPC	75450B
75451APC	75451B
75451ATC	75451B
75451BPC	75451B
75451BTC	75451B
75451BV	75451B
75452(IC)	75452B
75452APC	75452B
75452ATC	75452B
75452BPC	75452B
75452BTC	75452B
75452BV	75452B
75453APC	75453B
75453ATC	75453B
75453BTC	75453B
75453BV	75453B
75454APC	75454B
75454ATC	75454B
75454BPC	75454B
75454BTC	75454B
75491APC	75491B
75491BPC	75491B
75491PC	75491B
75492APC	75492B§
75492BPC	75492B§
75492PC	75492B§
75561-1	159
75561-2	159
75561-3	123A
75561-16	123A
75561-18	234
75561-20	128
75561-21	234
75561-28	123A
75561-31	159
75561-32	128
75561-33	123A
75568-3	107
75596-1	234
75596-2	234
75596-3	234
75596-4	234
75597-1	311
75613-1	199
75613-2	199
75614-1	123A
75616-6	108
75617-1	159
75617-2	159
75636-1	77
75653-1	341
75654-1	316
75700-03-01	121
75700-04	123A
75700-04-01	123A
75700-05	123A
75700-05-01	123A
75700-05-02	123A
75700-05-03	123A
75700-08	123A
75700-08-02	123A
75700-09-01	123A
75700-09-21	123A
75700-13-01	129
75700-14-02	116
75700-14-05	125
75700-22-01	175
75700-24-02	125
75702-15-21	116
75702-15-24	5809
75702-15-34	125
75803-1	153
75803-2	153
75803-3	153
75810-17	108
75960CH	102
76236	123A
76251	390
76600P	746
76675	109
76675A	109
76675B	109
76797-2	923

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
77001	230
77027-1	9093
77027-2	9093
77052-3	102A
77052-4	102A
77053-2	102A
77068-3170756	124
77190-7	116
77190-8	125
77271-3	116
77271-4	125
77271-8	160
77272-0	102A
77272-1	102A
77272-5	102A
77272-7	102A
77272-9	102A
77273-2	102A
77273-3	102A
77273-6	102A
77273-7	102A
77489	112
77561-27	159
77980-113	5017A
78001	231
78005AP(VR)	960
78010(Plastic)	1932
78010AP	1932
78012AP(VR)	966
78020	74C151
78021	4051B
78023	977
78024	987
78027	4027B
78028	4012B
78029	4023B
78032	824
78034	987
78035	950
78331	159
78399	130
78524-39-01	125
78527-75-01	102A
78527-76-01	102A
78527-78-01	102A
78527-79-01	102A
78894	116
78896	358
78972	112
79009S(VR)	1967
79012S	1971
79015S(VR)	1973
79018S(VR)	1975
79024S(VR)	1977
79408	139A
79855	108
79856	108
79922	175
79949	148A
79985	109
79992	152
80050	121
80053	704
80062-01	289A
80062-02	123AP
80062-03	196
80062-04	394
80070	704
80071	704
80073	704
80074	704
80081	726
80083	704
80090	704
80091	76
80094	704
80114	706
80131	241
80167	76
80231	76
80249-910787	163A
80254	2052
80287(Audio IC)	706
80416C	121
80501	289A
80540	123A
80544	123A
80545	123A
80710	712
80755	781§
80757	727
80807	130
80813VM	123A
80814VM	123A
80815VM	123A
80816VM	123A
80817VM	103A
80818VM	102A
80827	706
80829	789
80902-1	128
80904-1	128
80951	5074A
80968	5063A
81170-6	123A
81177	731
81336-1	727
81336-2	727
81404-4A	102A
81410-145	199
81500-3	102A
81501-5	102A
81502-0	100
81502-0A	100
81502-0B	100
81502-1	100
81502-1A	100
81502-1B	100
81502-2	102A
81502-2A	102A
81502-2B	102A
81502-3B	102A
81502-4	102A
81502-4A	102A
81502-4B	102A
81502-5	102A
81502-5A	100
81502-5B	100
81502-6	101
81502-6A	101
81502-6B	101
81502-6C	101
81502-6D	101
81502-7	100
81502-7A	100
81502-7B	100
81502-7C	100
81502-8	100
81502-8A	100
81502-8B	100
81502-8C	100
81502-9	102A
81502-9A	102A
81502-9B	102A
81502-9C	102A
81503-0	102A
81503-0A	102A
81503-0B	102A
81503-1	102A
81503-1A	102A
81503-1B	102A
81503-3	102A
81503-3A	102A
81503-4	102A
81503-4A	102A
81503-4B	102A
81503-4C	102A
81503-6	100
81503-6A	100
81503-6B	100
81503-6C	100
81503-7	100
81503-7A	100
81503-7B	100
81503-7C	100
81503-8	100
81503-8B	102A
81503-8C	102A
81504-1	100
81504-1A	100
81504-1B	100
81504-1C	100
81504-3	100
81504-3A	100
81504-3B	100
81504-3C	100
81505-8	102A
81505-8A	102A
81505-8B	102A
81505-8C	102A
81505-8X	102A
81506-4	126A
81506-4A	126A
81506-4B	126A
81506-4C	126A
81506-5	100
81506-5A	100
81506-5B	100
81506-5C	100
81506-6	100
81506-6A	100
81506-6B	100
81506-6C	100
81506-7	126A
81506-7A	126A
81506-7B	126A
81506-7C	126A
81506-8	126A
81506-8A	126A
81506-8B	126A
81506-8C	126A
81506-9	102A
81506-9A	102A
81506-9B	102A
81506-9C	102A
81507-0	102A
81507-0A	102A
81507-0B	102A
81507-0C	102A
81507-0D	102A
81507-4	102A
81507-5	103A
81507-6	103A
81510-3	100
81510-4	102A
81510-5	100
81511-4	102A
81511-5	100
81511-6	100
81511-7	100
81511-8	102A
81512-0	102A
81512-0A	102A
81512-0B	102A
81512-0C	102A
81512-0D	102A
81512-0E	102A
81513-3	123A
81513-6	102A
81513-7	121
81513-8	116
81513-9	102A
81514-2	116
81515-8	102A
81516-0	102A
81516-0A	102A
81516-0B	102A
81516-0C	102A
81516-0D	102A
81516-0E	102A
81516-0F	102A
81516-0G	102A
81516-0H	102A
81516-0I	102A
81516-0J	102A
82716	108
82944-37	855
82944-38	856
82965F	5635
83008	116
83011	108
83272	159
83741C01	5465
84001	129
84001A	129
84001B	129
84011	4011B
84011U	4011B
84107	74107◆
84109	74109◆
84110	74110◆
84111	74111§
84121	74121◆
84122	74122◆
84123	74123◆
84125	74125◆
84126	74126◆
84128	74128◆
84132	74132◆
84145	74145◆
84150	74150◆
84151	74151◆
84153	74153◆
84154	74154◆
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84156	74156◆
84160	74160◆
84161	74161◆
84162	74162◆
84163	74163◆
84164	74164◆
84165	74165◆
84166	74166◆
84170	74170◆
84174	74174◆
84175	74175◆
84176	74176◆
84177	74177◆
84178	74178§
84179	74179◆
84180	74180◆
84181	74181◆
84182	74182◆
84190	74190◆
84191	74191◆
84192	74192◆
84193	74193◆
84195	74195◆
84196	74196◆
84197	74197◆
84198	74198◆
84199	74199◆
84323	9931
84324	9962
84353-2	9927
84380-1	911
84626	9914
84626-1	9914
84626-2	9914
84626-3	9914
84626-4	9914
84628	9921
84628-1	9921
84628-2	9921
84628-3	9921
84628-4	9921
84630	9900
84630-1	9900
84630-2	9900
84630-3	9900
84631	9974§
84631-1	9974§
84631-2	9974§
84631-3	9974§
84631-4	9974§
85501	290A
85549	123A
86001	109
86257	129
86287	123A
86313	786§
86394GL6	5424#
86452	102
86458	124
86458-00	124
86812	123
86822	123
86832	102
86842	102
87532	128
87756	177
87757	123A
87758	159
87759	159
87826B	1232
88060-52	177
88060-53	110MP
88060-54	5072A
88060-55	177
88060-141	312
88060-142	229
88060-143	123A
88060-144	199
88060-145	128
88060-146	186
88060-147	1100
88510-52	7489
88510-53	110MP
88510-54	5072A
88510-55	177
88510-171	312
88510-172	107
88510-173	123A
88510-174	199
88510-175	123A
88510-176	186
88510-177	1100
88510-178	1142
88641	116
88686	123
88687	123A
88688	123A
88700	176/411
88796-1-1	5529
88801-3-1	175
88803	128
88803-2-1	128
88803-3-1	128
88832	121
88834	128
88862	123A
89028-2	9945
89028-3	9944
89028-4	9946
89028-4-1-4	9946
89028-6	9933
90000-1	76
90000-2	76
90041	333
90050	121
90062	333
90063	470
90131	123A
90203-6	116
90209-172	123A
90209-182	123A
90209-246	234
90326-001	123A
90330-001	159
90429	123A
90431	194
90432	159
90448	194
90934-35	199
91001	116
91021	101
91027	1291§
91271	128
91272	128
91273	128
91274	130
91335	519
91371	198
91411	128
91428	9914
91605	123A
92064-001	548◆
92138-01	941
92328	OBS-NLA
93005	116
93006	116
93007	116
93011	116
93012	116
93018	5072A
93022	116
93022A	116
93023	116
93027	5809
93028	116
93030	140A
93141DC	74141
93141PC	74141
93145DC	74145
93145PC	74145
93150DC	74150
93150PC	74150
93151DC	74151
93151PC	74151
93152DC	74152
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93153DC	74153
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93154DC	74154
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93175PC	74175
93176DC	74176
93176PC	74176
93177DC	74177
93177PC	74177
93178DC	74178§
93178PC	74178§
93179DC	74179
93179PC	74179
93180DC	74180
93180PC	74180
93190DC	74190
93190PC	74190
93191DC	74191
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93196PC	74196
93197DC	74197
93197PC	74197
93198DC	74198
93198PC	74198
93199DC	74199
93199PC	74199
93304-2	9932
93403	7489
93407	7481§
93417AD	74S387
93417ADC	74S387
93417AP	74S387
93417APC	74S387
93417D	74S387
93417DC	74S387
93417P	74S387
93417PC	74S387
93427AD	74S287
93427ADC	74S287
93427AP	74S287
93427APC	74S287
93427D	74S287
93427DC	74S287
93427P	74S287
93427PC	74S287
93434	OBS-NLA
93436D	74S570
93436DC	74S570
93436P	74S570
93436PC	74S570
93438D	74S475
93438DC	74S475
93438P	74S475
93438PC	74S475
93446D	74S571
93446DC	74S571
93446P	74S571
93446PC	74S571
93448D	74S474
93448DC	74S474
93448P	74S474
93448PC	74S474
93450D	74S479
93450DC	74S479
93450P	74S479
93450PC	74S479
93451D	74S478
93451DC	74S478
93451P	74S478
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129708-101	519
129759	116
129802	102A
129821	904
129871	710
129897	123AP
129899	123AP
129903	134A
129904(RCA)	5073A
129938	137A
129940	143A
129946	145A
129947	5116A
129949	123A
129979	108
129980	222
130013(Transistor)	123A
130013(Triac)	5695
130014	130
130025	230
130026	536A
130040	172A
130044	5019A
130045	177
130046	177
130047	140A
130048	103A
130052	116
130096	148A
130110	125
130122	712
130130	780
130132	5077A
130139	159
130172	128
130174	128
130200-00	102A
130200-02	102A
130215	159
130221	909
130253	234
130278	123AP
130328	142A
130338-01	116
130380	142A
130389-00	116
130400-95	102A
130400-96	103A
130402-36	102A
130403-04	108
130403-13	123A
130403-17	123A
130403-18	123A
130403-47	103A
130403-52	102A
130403-62	108
130404-21	108
130404-29	129
130404-59	108
130474	188
130535	130
130536	123A
130537	123A
130537-1	289A
130537-2	289A
130537-3	289A
130537-4	289A
130537-5	289A
130607	116
130751	712
130761	5075A
130762	5025A
130793	229
130800(ELECTRO)	5457
131005	5527
131006	5527
131075	152
131095-2	175
131139	191
131140	191
131161	196
131214	112
131221	108
131239	196
131240	123A
131241	159
131242	159
131242-12	129
131243	123AP
131243-12	123A
131245	177
131257	181
131262	106
131300	9930
131301	9932
131303	9936
131304	9944
131305	9945
131306	9946
131308	9962
131310	123AP
131311	123AP
131312	9093
131318	558
131320	123AP
131330	123A
131346	230
131347	231
131454	5642
131475	580
131476	515
131501	116
131502	116
131543	161
131544	229
131545	229
131586-21	5687
131647	159
131648	108
131710	234
131711	199
131721	5801
131814	614
131815	156
131815(RCA)	112
131844	108
131848	229
131848(RCA)	152
131849	152
131950	116
131951	116
132076TFI	519
132148	558
132149	116
132175	123AP
132176	159
132285	159
132313	730
132314	728
132315	729
132325	230
132326	231
132327	128
132328	128
132329	123AP
132401(WURLITZER)	9989
132416	142A
132418	116
132445	188
132446	188
132447	189
132448	189
132478	159
132488	189
132492	149A
132495	184
132498	159

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
132499	152
132500	128
132501	506
132509	177
132547	503
132548	177
132549	177
132553	519
132558	127
132571	185
132573	152
132574	185
132616	5014A
132634	536A
132634(WURLITZER)	9924§
132642	289A
132643	289A
132645	177
132645(WURLITZER)	177
132650	6410§
132697	152
132776	130
132814	116
132815	156
132823	123AP
132824	147A
132830	159
132842	147A
132865	136A
132912	109
132966	503
133026	503
133171	319P
133177	194
133178	194
133182	159
133195	116
133218	123AP
133249	123AP
133253	159
133265	191
133266	552
133275	123AP
133390	116
133490	159
133543	5085A
133550	181
133573	152
133576	128
133600	730
133615	506
133616	506
133684	130
133685	130
133690	123AP
133743	128
133823	175
133923	181
133925	181
133950	116
134009	505
134074	112
134142	108
134143	108
134144	108
134155	128
134180	109
134195-001	9930
134196-001	9932
134197-001	9945
134198-001	9946
134254-001	9950
134263	108
134264	112
134277	116
134279	185
134280	184
134281	180
134282	181
134335	5022A
134340	763§
134342	5642
134415	616
134417	107
134419	108
134442	172A
134444	145A
134445	616
134450	222
134509	757§
134771	196
134772	171
134773	165
134774	152
134777	505
134857	229
134989	123AP
134993	136A
135029	5642
135244	503
135281	116
135284	116
135286	159
135297	108
135320	173BP§
135324	222
135341	119
135347	106
135351	218
135352	162
135380	515
135389	289A
135406	5097A
135571	177
135691	532
135716	171
135734	506
135735	196
135739	196
135744	127
135872	109
135930	8125
135932	582
135963	222
136066	154
136145	787
136146	788
136147	789
136162	177
136163	177
136164	616
136165	123AP
136168	229
136239	123AP
136240	229
136281	234
136282	199
136423	159
136424	123AP
136430	123AP
136555	725
136601	185
136605	558
136634	143A
136635	558
136648	152
136688	558
136696	128
136721	615A
136766	395
137002-001(Atari)	74S86
137003-001(Atari)	74S03
137028	177
137028-001	177
137031	532
137057-001	519
137065	189
137066	188
137075	558
137077(Organ)	5814
137077(SAVILLE)	5814
137093	102A
137108-001	857M
137127	229
137151-002	1232
137155	159
137159	289A
137159-1	289A
137159-2	289A
137160(GTR)	6402§
137161	OBS-NLA
137161(GTR)	OBS-NLA
137161(WURLITZER)	OBS-NLA
137241	128
137245	780
137338	229
137339	123AP
137340	159
137341	502
137352	163A
137369	184
137383	229
137388	229
137527	152
137606	552
137607	165
137613	114
137614	123AP
137646	532
137647	136A
137648	128
137652	116
137655	5081A
137693	532
137704(ELECTRO)	457
137718	165
137766	395
137780	616
137781	616
137830	159
137855	504
137875	123AP
137875(I.C.)	941M
137876	5642
137993	177
138001	199
138019	532
138019-001	199
138032(RCA)	310
138033(RCA)	308
138035-001	128
138049-001	234
138049-004	234
138107	149A
138121	189
138172	552
138173	552
138174	146A
138175	552
138191	123AP
138192	152
138193	153
138194	162
138195	162
138196	177
138310	OBS-NLA
138311	7400
138311(WURLITZER)	7400
138312	7401
138312(WURLITZER)	7401
138313	7402
138313(WURLITZER)	7402
138314	7404
138314(WURLITZER)	7404
138315	7408
138315(WURLITZER)	7408
138316	7410
138316(WURLITZER)	7410
138317	7411
138317(WURLITZER)	74H11
138318	7420
138318(WURLITZER)	7420
138319	7421
138319(WURLITZER)	74H21
138320	74193
138320(WURLITZER)	74193
138376	159
138378	123A
138379	152
138380	789
138380(IC)	789
138380(Transistor)	152
138381	7432
138381(WURLITZER)	7432
138403	7473
138403(WURLITZER)	7473
138421	532
138429	5404
138609	552
138681	949
138699	797
138736	119
138752	531
138763	123AP
138789-1	123A
138789-2	123A
138789-3	123A
138789-4	199
138789-5	199
138907	532
138945	612
138946	222
138974	5069A
139001	531
139017	191
139029	519
139044	373
139064	185
139065	177
139144	2V130
139235(ELECTRO)	265
139266	188
139267	189
139268	194
139269	194
139270	175
139295	165
139328	177
139343	135A
139362	123AP
139366	123AP
139455	159
139605	116
139605(AFC)	178MP
139618	172A
139634	109
139696	128
139706	177
139955(WURLITZER)	74121
140129	188
140130	189
140259	191
140290	159
140369(WURLITZER)	7413
140371	159
140372	159
140390	902
140501	128
140503	119
140505(ELECTRO)	997
140506	373
140566(ELECTRO)	5645
140612	181
140622	123A
140623	159
140624	194
140625	197
140626	196
140693	116(2)
140694	116(2)
140713	505
140715	505
140763	230
140764	231
140770	614
140771	108
140772	112
140858-12	123A
140955	503
140959	454§
140971	558
140972	558
140973	145A
140976	165
140977	165
140979	196
140995	503
141008	123AP
141018	159
141019	194
141020	196
141134	984
141135	1174
141187	5133A
141219(ELECTRO)	980
141220(ELECTRO)	40106B
141221(ELECTRO)	3042
141227	159
141245	308
141254	533
141255	310
141256	308
141270	1175§
141277(ELECTRO)	955M
141279	797
141280	1176§
141290	1177
141295	171
141302	147A
141306-013	123AP
141321-2	287
141330	123AP
141331	123AP
141332	222
141334	159
141335	128
141342	582
141342-11	582
141342-12	582
141343	159
141344	159
141345	159
141346	395
141355	128
141367	165
141370	229
141370-1	165
141371	222
141372	222
141391	221
141402	161
141421	159
141429	142A
141430	5655
141464	533
141489	125
141551	5002A
141558	123AP
141580	144A
141581	5127A
141582	5135A
141584	5136A
141613	145A
141666	123AP
141667	159
141668	5400
141711	159
141736-6	123A
141738p63-1	159
141746	143A
141747	140A
141767	123AP
141783	123AP
141831	159
141833	147A
141834	5079A
141846	123AP
141849	116
141872-6	116
141873	142A
141967	5087A
141978	56008
142010-02	713
142081-3	116
142082(GTR)	6402§
142082(WURLITZER)	6402§
142083-1	289A
142083-2	289A
142083-3	289A
142114	137A
142115	184
142116	185
142128-1	159
142128-2	159
142134	142A
142136	519
142136-003	177
142136-0	177
142136-5	177
142136(WURLITZER)	519
142137	615A
142160	289A
142171(WURLITZER)	4001B
142172(WURLITZER)	4011B
142190	159
142251	188
142251(GTR)	772A
142251(RCA)	188
142251(WURL)	772A
142251(WURLITZER)	772A
142272	5067A
142294	OBS-NLA
142294(GTR)	OBS-NLA
142294(WURLITZER)	OBS-NLA
142321	5642
142341	985§
142348	194
142349	923D
142349(GTR)	923
142349(WURLITZER)	923
142350	5834
142350(WURLITZER)	5834
142417	5133A
142421	123AP
142422	159
142569	580
142621(WURLITZER)	992
142622(Organ)	994M
142648	778A
142670	147A
142671	171
142681	5351A
142682	5401
142683	123AP
142684	123AP
142686	123AP
142689	389
142690	190
142691	152
142704	1175§
142711	123AP
142713(WURLITZER)	4016B
142718	1175§
142719	986
142728	537
142728(TRIPLER)	537
142738	5081A
142811	123AP
142814	532
142838	159
142839	159
142903	985§
142960	190
143033	1175§
143041	194
143041(IC)	915
143042	123AP
143062	9109§
143162	112
143227	159
143316	123AP
143561	986
143594	525
143595	109
143622-002	128
143639	159
143690	5134A
143696	851
143753	5119A
143760	147A
143761	5116A
143762	5142A
143765	850§
143766	2024
143777	5080A
143790	5425
143791	159
143792	123AP
143793	123AP
143794	123AP
143795	123AP
143796	194
143797	123AP
143798	123AP
143802	159
143803	159
143804	123AP
143805	47
143806	159
143807	159
143808	984
143821	1174
143822	986
143837	177
143847	5081A
143913	533
143963	159
143964	49
144011	1123
144012	1263
144013	1264
144014	1265
144015	1266
144016	1267
144017	1268
144018	1269
144019	1223
144020	1270
144021	9400§
144022	9200
144023	9401
144024	1408§
144026	712
144027	1168
144028	3120
144029	152
144030	234
144031	290A
144033	374#
144034	199
144035	85
144036	107
144037	107
144038	186A
144039	85
144040	199
144041	293
144043	289A
144044	289A
144045	373#
144046	328
144047	289A
144048	229
144049	123A
144050	125(2)
144051	125(2)
144052	116
144053	109
144054	109
144055	601
144056	5013A
144057	605A
144060	3024
144072-2	966
144076	153
144129	152
144178	941M
144178-2(WURLITZER)	941M
144178(Organ)	941
144182	293
144194	112
144195	610
144272	5007A
144273	5069A
144325	108
144326	128
144327	107
144328	610
144571	519
144581	519
144582	85
144583	229
144585	109
144612	1427
144687	199
144688	295
144689	290A
144690	184
144691	519
144693	109
144700	116
144759	234
144760	290A
144761	290A
144769	172A
144804	5010A
144848	1405
144849	1428
144850	1425
144851	1421
144852	1412
144853	1419
144854	1622
144855	9402
144856	373#
144857	187A
144858	234
144859(DSG)	312
144860	125
144861	5013A
144862	116
144863	290A
144920	1402
144921	958
144922	5007A
144923	615A
144927	519
144967	9403
144968	4011B
144969	4016B
144970	4050B
144971	4069
144973	290A
144974	177
144975	140A
144976	147A
144978	3172
145113	615A
145114	5016A
145134-526	121
145172	189
145173	123AP
145208	537
145235	778A
145258	123AP
145395	123AP
145398	123AP
145410	159
145513	5401
145551	159
145586	4013B
145648	238
145658	612
145660	519
145671	165
145676	5008A
145683	614
145686	222
145687	108
145716	532
145718	533
145719	537
145766	159
145776	159
145784-8(METAL)	308
145784-8(PLASTIC)	308P
145789	308
145817	5074A
145818	4011B
145833	123AP
145838	16◆
145839	552
145840	294
145893	172A
145966	19
146027	519
146052	1175§
146081	153
146136	552
146137	552
146138	147A
146139	152
146141	123AP
146142	123AP
146143	190
146144-2	123A
146149	842
146150	841
146151	985§
146152	986
146153-1	123A
146164	990
146171-31	116
146260	5018A
146261	5132A
146273	136A
146274	140A
146275	5000A
146286-01	124
146298	5140A
146301	123AP
146302	310
146303	308
146306	5131A
146316	525
146320	135A
146359	159
146460-2	789
146466-1	130
146484	123AP
146512	16
146512(BCE)	85
146514	1419
146519	199
146521	222
146537-1	986
146568	290A
146569	187A
146570	18
146571	519
146572	85
146575	109
146576	519
146595	1414
146596	373#
146610	199
146611	109
146612	144A
146613	147A
146629	3022
146630	116
146631	5022A
146641	9946
146642	9962
146643	9930
146644	9945
146695	4049
146696	312
146697	159
146698	290A
146700	199
146701	374
146702	289A
146823	389
146826	171
146846	5021A
146847	123AP
146848	229
146849	210
146850	159
146851	287
146854	123AP
146855	152
146856	152
146857	1545
146858	844
146893	1428
146894	1400
146895	1422
146896	712
146898	374
146899	19
146900	19
146901	234
146902	290A
146903	16◆
146904	18
146905	312
146906	125(2)
146907	125(2)
146908	5011A
146911	615A
146912	519
146924(BCE)	290A
147015	125
147044-1	616
147112-7	129
147115	123A
147115-5	123A
147115-6	123A
147115-7	199
147115-8	199
147115-9	161
147122P7	199
147171-11	515
147187-2-14	125
147193(WURLITZER)	4012B
147197(WURLITZER)	977
147201(WURLITZER)	4027B
147202(WURLITZER)	824
147204(WURLITZER)	950
147205	950
147213	519
147214	177
147215	586
147216	125
147218	519
147219	5016A
147220	5020A
147221	5014A
147222	1585
147223	1595
147229	1591
147232	1660
147234	4011B
147236	4011B
147242	16
147242(BCE)	85
147243	290A
147244	196
147245	289A
147245-0-1	108
147246	184◆
147247	234
147248	18
147249	152
147250	185◆
147256	9944
147297	1597
147311	184
147312	293
147321	85
147339	1600
147340	1554
147350-2-1	704
147351-4-1	127
147351-5-1	121
147352-0-1	124
147353-0-1	161
147355	128
147356-9-1	108
147357-0-1	129
147357-1-1	123A
147357-2-1	108
147357-4-1	129
147357-7-1	123A
147357-9-1	108
147359-0-1	129
147363-1	123A
147367(WURLITZER)	74C151
147368(WURLITZER)	4051B
147389	2358
147390	116
147405	1414
147406	5021A
147437	1469
147438	712
147439	290A
147455	555A
147464	615A
147477-7-1	140A
147477-8-2	125
147477-8-3	125
147477-8-7	125
147477-8-8	125
147477-8-10	125
147478	4066B
147478-8-2	5809
147497	1930
147498	378
147499	85
147513	123A
147529	519
147546	5022A
147549-1	159
147549-2	159
147555-1	123A
147579	125
147614	5074A
147617-11	506
147617-12	506
147624-1	197
147655	159
147663	159
147664	123AP
147665	159
147676-1	233
147693	125
147704	108
147704-6-4	142A
147718	5017A
147719	5011A
147735	5024A
147739	5026A
147750	616
147887	4013B
147892	391
147922-2	112
147923	85
147924	19
147925	262
147926	125(4)
147927	519
147943	616
147974	373
147975	187

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
147993	125
148061	123AP◆
148070	312
148085	222
148112	5425
148123	109
148124	590
148125	5016A
148134	4069
148144	19
148146	85
148147	184◆
148176	1659
148223	5313
148229	5002A
148235	778A
148236	4049
148237	234
148246	125
148253(WURLITZER)	4081B
148256	85
148257	5012A
148258	5020A
148259	5015A
148265	289A
148272	553
148273(WURLITZER)	4013B
148295	5018A
148507	5020A
148508	5015A
148512	1627
148526	389
148529	5014A
148531	5018A
148690	5086A
148711	85
148712	125(2)
148714	125(2)
148715	1270
148717	1625
148718	1709
148719	1621
148720	1422
148721	1700
148722	1568
148723	1701
148725	1702
148727	1314
148728	778A
148729	1613
148730	4011B
148731	4012B
148732	4025B
148733	4049
148734	4066B
148735	4078B
148736	40097B
148737	4528B
148740	834
148741	1409
148742	7416
148744	1440§
148745	960
148746	391
148747	55
148748	91
148749	21
148750	20◆
148751	196
148751-147	108
148752	373#
148753	15
148754	261
148755	289A
148756	16
148757	152
148758	261
148759	377
148760	241
148761	85
148762	90
148763	125
148764	5012A
148765	5314
148766	5025A
148771	519
148773	3121
148777	611
148778	610
148779	123AP
148780	108
148781	5072A
148782	90
148801	375
148803	605A
148804	5010A
148805	615A
148874	5037A
148907	123AP
148919	375
148954	2207
148956	962
148957	5014A
148958	5029A
148959	290A
148961	454§
148964	238
148968	222
148991	9112§
148995	159
148996	123AP
148997	123AP
148998	89
148999	377
149007	6410§
149017	960
149018	987
149037	846
149038	968
149040	159
149041	159
149042	139A
149178(WURLITZER)	4073B
149179(WURLITZER)	4082B
149180(WURLITZER)	4030B
149181(WURLITZER)	4069
149182(WURLITZER)	4029B
149183(WURLITZER)	4008B
149184(WURLITZER)	4098B
149185(WURLITZER)	4052B
149186(WURLITZER)	74C174
149251	5351A
149252	712
149253	868
149254	844
149255	923D
149433	605A
149434	605A
149471	159
149488(BCE)	289A
149489(BCE)	85
149539	552
149540	5022A
149544(CEB)	229
149546	5351A
149584	1529
149585	1703
149586	1718
149587	4001B
149588	4013B
149589	4049
149590	4081B
149591	7416
149592	1609
149598	962
149599	21
149608(BCE)	85
149609	54
149610	20
149611	391
149612	55
149613	293
149614	261
149615	519
149616	5025A
149617	5313
149676	112
149684(BCE)	289A
149730	109
149731	116
149751	5143A
149776(WURLITZER)	74LS151
149779(WURLITZER)	74LS04
149793(WURLITZER)	74150
149794(WURLITZER)	7416
149795(WURLITZER)	4071B
149796(WURLITZER)	4050B
149797	5116A
149864	289A
149870	850§
149930	142A
149954	4001B
149982	3022
150000	292
150001	398
150002	165
150003	85
150004	375
150005	376
150006	376
150007	373
150008	289A
150009	289A
150010	289A
150011	107
150032	712
150033	1469
150034	4520B
150035	1473
150036	1439
150037	1409
150038	966
150045	128
150046A	128
150060	175
150064	601
150067	5304
150070	181
150071	116
150072	615A
150073	558
150074	558
150075	552
150076	506
150095	128
150103(WURLITZER)	7417
150110(WURLITZER)	4025B
150117	123A
150164	1219
150177	519
150178	177
150322	18
150325	1545
150330	290A
150331	85
150332	85
150342	1427
150344	159
150361	960
150363	142A
150364	375
150365	615A
150366	159
150368	1652
150369	1566
150371	912
150392-5(Organ)	960
150392-12(Organ)	967
150392-15(Organ)	968
150393(WURLITZER)	968
150394(WURLITZER)	967
150401	1636
150401(WURLITZER)	4006B
150402(WURLITZER)	4063B
150417(WURLITZER)	4002B
150418	834
150418(Organ)	4015B
150419	4555B
150419(Organ)	74LS32
150420(Organ)	74LS73
150421(Organ)	74LS85
150422(Organ)	74LS00
150423(Organ)	74LS10
150424(Organ)	74LS11
150425(Organ)	74LS08
150430	1558
150440	74LS138
150513	85
150514	85
150515	458
150516	85
150517	290A◆
150517(BCE)	290A
150518	290A
150519	289A
150521	290A
150521(BCE)	290A
150522	290A
150523	290A
150524	290A◆
150526	85
150527	5018A
150528	116
150529	519
150530	519
150531	5004A
150533	5041A
150534	5011A
150535	5013A
150536	85
150573	519
150580	941M
150580-2285	941M
150588(Organ)	2102
150622	912
150671	125
150705	5116A
150714-1	199
150730	128
150741	123A
150742	159
150749	1442
150753	159
150759	4050B
150763	199
150764	294
150766	399
150767	375
150768	123A
150769	391
150770	373#
150771	239
150772	157#
150787	128
150796	128
150834	519
150865	106
151056	943M
151063(ECB)	288
151064	90
151065	54
151066	399
151067	54
151068(ECB)	159
151069	17
151071	3156
151241	177
151263	159
151326	229
151329	189
151332	85
151333	1409
151334	5011A
151335	5021A
151364	107
151365	229
151366	455
151544	9932
151548	9099
151552(Organ)	4072B
151553(Organ)	4075B
151554(Organ)	834
151588	4027B
151589	4011B
151590	4520B
151591	16
151693	108
151974	159
152051	844
152052	139A
152112A	137A
152185	290A
152213	5014A
152214	289A
152283	291
152284	519
152286	109
152329	5020A
152348	868
152362	1425
152364	834
152365	40097B
152367	294
152368	290A
152369	56
152370	56
152371(BCE)	85
152373	241
152374	605A
152375	5024A
152407	5024A
152472	5074A
152473(BCE)	85
152500	222
152545	376
152627	5018A
152741	5010A
152742	5020A
152743	5016A
152750	5011A
152793	5025A
152835	5014A
152841	112
152869	5037A
152895	1682
152920	9403
152921	928M
152923	4011B
152929	4528B
152933	4066B
152935	4069
152938	552
152970	290A
152972	15
152972(BCE)	85
152978	5014A
152980	5029A
152982	5013A
153102	10
153107	152
153126	1448
153127	1525
153128	1468
153129	455
153130	107
153233	159
153258	319P
153259	15
153260	15
153270	941
153312	184
153325	159
153329	152
153334	289A
153350	153
153399	123AP
153433	17
153443	290A
153445	5007A
153456	834
153489	108
153493	519
153503	290A
153504	458
153518	5010T1
153519	5018A
153525	289A
153530	601
153534(BCE)	85
153535(BCE)	85
153545	581
153567	290A
153573	5018A
153604	289A
153612	1932
153630	398
153633	375
153635	376
153659	4514B
153661	19
153672	552
153673	5031A
153676	188
153677	255
153678	89
153679	152
153680	171
153682	5402
153684	1175§
153685	844
153712	1714S
153716	3033
153826	5021A
153844	125
153875	868
153882	290A
153937	4011B
154002	145A
154027	4016B
154089	5019T1
154132	1713
154188	5036A
154189	5313
154190	5007A
154192	383
154193	382
154195	90
154196	91
154197	290A
154198	459
154199	1875
154203	778A
154204	1512
154205	1484
154206	1486
154222	4001B
154231	109
154233	116
154234	5024A
154237	5025A
154407	4068B
154408	4011B
154443	85
154505	5030A
154515	868
154572	1712
154574	1713
154576	1689
154577	1710
154578	112
154579	22
154581	928M
154590	5015A
154648	40097B
154649	4066B
154652	1628
154653	16
154654	253
154655	5011A
154656	5024A
154730	1715
154731	5015A
154749	1V014◆
154754	1234
154756	5011A
154765	290A
154766	16
154766(BCE)	199
154767	4002B
154768	4012B
154770	4071B
154771	4015B
154772	4024B
154773	4040B
154774	4001B
154782	960
154783	55
154784	2326
154785	56#
154807	289A
154822	1714S
154832	56
154856	5009A
154857	5029A
154859	585
154861	54
154863	2364
154875	56
154988	19
154988(BCE)	85
155032	185◆
155035	519
155103	923
155131	2408
155272	1087
155273	977
155275	290A
155276	116
155280	5009A
155287	5018A
155332	1650
155334	4011B
155336	2203§
155339	23
155344	5012A
155444	91
155495	2409
155508	1711
155510	5005A
155522	5015A
155523	5025A
155526	4071B
155550	85
155556	1705
155558	5020A
155565	5010A
155566	605A
155568	16
155568(BCE)	85
155632	40097B
155677	229
155679	2402
155711	2079
155712	955M
155714	262#
155732	125
155810	5013A
155822	5022A
155829	112
155836	5011A
155837	5020A
155838	5004A
155841	55
155842	185
155892	3024
155893	5013A
155964	778SM
155965	2407
155966	2406
155967	2406
155968	2410
155969	2411
155970	21
156023	161
156024	2402◆
156025	455◆
156026	455
156028	519
156029	612
156186	519
156213	5077A
156214	552
156215	5072A
156216	519
156234	585
156242	5022A
156250	184
156254	13
156297	146A
156313	5141A
156317	552
156369	141A
156372	123AP
156468	145A
156477	712
156545	1529
156547	289A
156548	290A
156549	185
156571	1679
156584	85◆
156696	960
156709	966
156710	290A
156711	5015A
156712	5011T1
156724	5009A
156725	1628
156730	1658
156733	293
156736	85
156790	5012A
156791	580
156800	5023A
156801	5030A
156802	834
156895	1558
156896	289A
156897	234
156910	116
156911	590
156912	1686
156915	1679
156917	234
156918	1706§
156919	290A
156920	5010T1
156931	108
156932	778S
156933	2334
156934	290A
156935	184
156936	5026A
156937	5022A
156938	5018A
156939	5010T1
156944	290A
156945	145A
156947	519
156955	5312
156956	5332
156960	1705
156969	605A
157004	129
157008	123A
157068	455
157142	610
157301	177
157306	287
157319	116
157424	519
157425	85
157427	5073A
157470	553
157474	1545
157481	85
157506	912
157564	915
157575	309K
157627	54#
157644	923
157654	4013B
157669	261
157677	1781
157679	519
157694	5313
157800	923D
157800-2760	923D
157808	159
157832	5011A
157833	123AP
157958	90
157959	2357◆
157971	1718
157972	2084
157975	2358◆
158040	981
158066	9093
158075	19
158077	5027A
158153	5020A
158242	16
158313	177
158314	2408
158315	2407
158390	2409
158456	373
158457	383
158458	399
158487	593
158489	1902
158578	147A
158584	156
158767	1650
158771	4015B
158837	5463
158969	596
158972	2408
158995	4093B
158998	4012B
159021	858SM
159064	596
159065	595
159238	5014A
159242	85
159249	1867
159355	977
159362	199
159369	5033A
159425	5007A◆
159426	145A
159429	5019T1
159430	5424
159433	1739
159434	146A
159435	4081B
159440	558
159441	552
159444	2408
159445	2409
159447	382
159448	3166
159475	595
159649	558
159945	605A
159947	1052
159950	91
159951	85
159959	1891
159960	261
159961	5026A
159963	5021T1
159973	16
159974	5036A
160003D0333	159
160082	385
160085	152
160090	5074A
160091	5015A
160092	137A
160175	1558
160177	199
160196	106
160201	909
160302	11
160385	614
160465	5036A
160547	290A
160554	4538B
160557	85
160696	123AP
160741	1659
160832	928M
160840	5004A
160844	1934X
160852	5009A
160869	1714S
160890	290A
161001	110MP
161006	109
161015	110MP
161016	109
161021	177
161022	143A
161027	112
161029	116
161030	116
161031	116
161032	506
161033	506
161034	112
161037	116
161038	109
161046	5072A
161066	5084A
161077	123AP
161079	4052B
161080	5022A
161081	5011T1
161120	85
161123	85
161126	17
161149	519
161193	1052
161194	90
161195	91
161199	137A
161247	159
161249	5029A
161325	1795
161326	1794
161392	74C240
161419	5014A
161431	4051B
161558	2408
161573	1892
161588	2408
161705	102A
161714	5010A
161715	1787
161732	4071B
161733	584
161743	778A
161745	5312
161756	3035A
161757	3035A
161870	5008A
161918-28	123A
161919-29	128
161920	85
161936	18◆
161995	5069A
162002-033	121
162002-039	109
162002-040	126A
162002-041	126A
162002-042	126A
162002-062	121
162002-062A	121
162002-071	181
162002-081	128
162002-082	128
162002-085	199
162002-090	108
162002-095	121
162002-39	109
162002-40	126A
162002-41	126A
162002-71	130
162002-101	130
162037	778A
162038	891M
162039	20
162041	2410
162045	21
162046	2411
162048	375◆
162160	4051B
162201	358
162505	293
162682	5013T1
162735	519
162736	519
162909	5021A
162922	4081B
162929	290A
163033	137A
163045	3007
163047	459
163048	377#
163060	2359◆
163061	2360
163198	85
163199	5002A
163348	519
163353	519
163434	987
163794	977
163807	5010A
163823	1735
163892	1660
163893	234
164014	160
164058	459
164116	15019
164231	377#
164253	2360
164323	5009A
164353	2359
164354	85
164492	112
164502	125
164547	134A
164588	519
164589	580
164590	580
164591	135A
164593	5000A
164594	5069A
164595	5020A
164599	2385◆
164602	956
164717	519
164733	2409
164744	5010T1
164752	891SM
164753	2406
164874	177
164941	4538B
164959	290A
164964	459
164981	9935
164982	9936
164984	4011B
165190D0921	116
165358	142A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
165392	107
165572	109
165667	126A
165668	123A
165735	128
165736	123A
165737	159
165738	175
165739	156
165740	144A
165827	123A
165828	123A
165931	85
165932	107
165976	102A
165995	108
166272	108
166273	109
166400	158
166593	125
166726	116
166881	116
166882	102A
166883	102A
166906	85
166907	1002
166908	126A
166909	126A
166917	123AP
166918	373
166919	374
166920	116
166921	139A
166922	116
166985	143A
166997	158
167034	116
167263	107
167285	131
167413	116
167540	199
167541	199
167542	295
167543	116
167544	116
167562	109
167569	128
167572	110MP
167679	102A
167680	102A
167688	128
167690	159
167691	175
167956	199
167957	289A
167958	175
167990D1197	1085
167998	102A
167999	102A
168339	116
168373	116
168405	199
168567	108
168606	5547
168651	85
168652	611
168653	137A
168657	108
168658	108
168659	108
168660	123A
168692	605A
168706	177
168716	199
168906	158
168907	102A
168910	109
168953	103A
168954	102A
168983	102A
168984	158
169113	605A
169114	600
169115	OBS-NLA
169116	116
169117	177
169175	158
169194	107
169195	85
169196	85
169197	123A
169199	136A
169216	124
169359	102A
169360	102A
169361	102A
169362	109
169363	116
169501	109
169505	108
169558	177
169565	116
169574	85
169590	116
169658	116
169678	199
169679	85
169680	85
169711	85
169765	116
169771	85
169773	102A
169792	199
170128	290A
170133	116
170294	85
170297	116
170303	109
170307-1	121
170308	85
170370	177
170373	109
170376	121
170376-1	121
170388	107
170407-1	121
170479-1	121
170535	175
170566-1	102
170666-1	121MP
170668-1	121MP
170733-1	178MP
170750	116
170753-1	161
170756-1	161
170783-1	103A + 158(CP)
170783-3	103A
170794	107
170850-1	121MP
170856	116(2)
170857	177
170890-1	131 + 155(CP)
170891-1	181
170906	161
170906-1	161
170954	1042
170956	722
170964	1030§
170965	116(2)
170967	199
170967-1	123A
170967(Rectifier)	116
170967(Transistor)	199
170968-1	123A
170970-1	116
170994-1	185MCP
171003	127
171003-5	153MCP
171003(Sears)	108
171003(Toshiba)	123A
171004	127
171004(Sears)	121
171005	126A
171005(Toshiba)	103A
171009	107
171009(Sears)	108
171009(TOSHIBA)	123A
171010-1	103A + 102A(CP)
171015(Toshiba)	124
171016	160
171016(Sears)	102A
171017	102A
171018	102A
171019	116
171026(Sears)	102A
171026(Toshiba)	123A
171027	123A
171028	108
171029(Sears)	108
171029(Toshiba)	107
171030	161
171030(Sears)	108
171030(Toshiba)	123A
171031	161
171031(Sears)	108
171031(Toshiba)	107
171032	108
171032-1	103A + 102A(CP)
171033	108
171033-1	241
171033-1(MAGNAVOX)	242 + 241(CP)
171033-2	153MCP
171033-4(MCP)	153MCP
171034	289A
171038	128
171039(Sears)	160
171039(Toshiba)	160
171040(Sears)	123A
171040(Toshiba)	123A
171044(Sears)	128
171044(Toshiba)	123A
171045	108
171046	123A
171047(Toshiba)	162
171048	108
171049	102A
171052	108
171053-1	180
171054	108
171058	102A
171090-1	108
171092-1	145A
171139-1	108
171140-1	108
171141-1	108
171149-016	177
171149-024	116
171162-004	199
171162-005	123A
171162-006	123A
171162-008	123A
171162-009	123A
171162-025	176
171162-026	192§
171162-027	108
171162-042	109
171162-072	158
171162-073	158
171162-074	102A
171162-075	102A
171162-076	102A
171162-080	102A
171162-081	158
171162-082	121
171162-083	131
171162-086	121
171162-089	131
171162-090	131MP
171162-095	199
171162-100	199
171162-108	176
171162-113	199
171162-118	161
171162-119	123A
171162-120	102A
171162-121	102A
171162-124	154
171162-125	154
171162-126	154
171162-128	108
171162-129	108
171162-130	108
171162-131	108
171162-132	123A
171162-143	123A
171162-161	123A
171162-162	123A
171162-163	128
171162-164	210
171162-169	160
171162-172	138A
171162-180	199
171162-184	186A
171162-186	229
171162-187	229
171162-188	123A
171162-190	123A
171162-191	123A
171162-193	129
171162-195	211
171162-196	177
171162-197	177
171162-202	85
171162-203	199
171162-204	199
171162-229	109
171162-235	210
171162-247	199
171162-252	116
171162-265	152
171162-269	109
171162-270	110MP
171162-271	177
171162-272	139A
171162-278	229
171162-279	229
171162-280	229
171162-285	199
171162-286	123A
171162-287	300
171162-288	199
171162-291	152
171162-292	139A
171162-303	85
171174-1	130MP
171174-2	300MP
171174-3	196
171175-1	185MCP
171179-027	1045
171179-028	1120
171179-036	1003
171179-045	1087
171179-051	1006
171179-070	1135
171179-110	801
171179-111	1082
171203	1029
171206-1	108
171206-2	108
171206-4	108
171206-5	108
171206-6	222
171207-1	108
171207-2	108
171217-1	131
171305	116(2)
171318	313
171319	313
171320	313
171368-1	284MP
171416	116
171418-1	186A
171418-2	152
171437-0001	375 + 398(CP)
171445-0001	284
171445-0002	284
171474-1	192§
171522	102A
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171554	85
171555	234
171556	159
171557	85
171558	85
171559	85
171560	140A
171561	605A
171657	116
171676	199
171677	85
171678	199
171814	611
171817	175
171840	177
171841	177
171842	136A
171843	177
171915	123A
171916	102A
171917	102A
171982	1072
171983	107
171984	614
172165	177
172201	177
172252	1003
172253	177
172272	1006
172317	289A
172318	1030§
172336	159
172463	152
172476	158
172547	177
172551	116
172579	166
172580	140A
172598	184
172643	152
172721	116
172722	614
172761	123AP
172762	193
172763	192§
172816	158
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173357	5012A
173598	2416
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173752	107
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174285	5093A
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174373	123AP◆
174431	5117A
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174641	2418
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174863	519
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175006-182	160
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175006-184	160
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175043-058	123A
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175043-060	123A
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175043-064	108
175043-065	131
175043-066	109
175043-068	109
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175043-100	108
175043-107	108
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175344	145A
175424	5029A
175724	4528B
175729	2304
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176149	5031A
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176296	552
176363	229
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177093	5309
177106	1822
177109	1893
177110	2360
177112	2361
177113	26
177115	2357
177118	5014A
177121	5035A
177122	5035A
177269	1893
177271	834SM
177286	152
177471	128P
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177606	125
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177619	7022
177621	294
177788	31
177789	32
177791	2302
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178063	2358
178064	2357
178200	5035A
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178390	960
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178628	515
178629	552
178630	552
178631	552
178632	5030A
178633	5029A
178634	552
178635	5021A
178636	5047A
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178638	5074A
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178640	142A
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178645	5021A
178646	5010A
178647	107
178648	85
178649	290A
178650	382
178651	2363
178652	2302
178653	56
178654	85
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178692	1676
178693	1751
178694	1790
178695	1658
178697	7019
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178738	7406
178739	7426
178740	74LS08
178741	778A
178742	1835
178743	74LS136
178744	74LS221
178745	960
178746	1781
179196	2358
179296	580
179365	2359
179547	5007A
179603	85
179652	5035A
179726	1850
179740	2406
179741	2407
179743	2300#
179864	891M◆
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180055	1296
180056	1799
180060	15019
180061	5011T1
180137	2302
180197	519
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180338	138A
180520	2355
180529	2361
180557	290A
180559	378#
180560	2309
180570	519
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180873	5318◆
180887	1883
180893	2357
180894	15022
180895	5035A
180896	5010T1
180968	5030A
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181003-8	108
181003-9	108
181012	199
181015	159
181023	123A
181030	159
181034	159
181038	219
181073	177
181178	5034A
181183	943M
181214	123A
181503-6	108
181503-7	108
181503-9	108
181504-1	108
181504-2	123A
181504-7	108
181506-7	108
181515-4	128
181515-6	128
181515-7	128
181515-9	128
181518	5018A
181519	5000A
181520	5013T1
181522	5023A
181526	519
181530	2409
181533	2417
181619	519
181681	177
181696	891M
181829	7032
181836	7102
181860	4066B
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182304	552
182305	506
182323	1859
182327	1678
182350	373
182351	2302
182352	373
182357	288
182503	74H20
182510	7438
182718	5019T1
182739	15020
182753	5011T1
182754	5033A
182755	5007A
182756	5020A
182757	2406
182827	5010A
182898	960
182901	5013T1
183013	718
183014	722
183015	107
183016	107
183017	123A
183018	107
183019	107
183030	123A
183031	123A
183032	159
183033	177
183034	192§
183035	193
183044	804
183051	960
183052	5016A
183053	3122
183074	290A
183099	261#
183107	3099◆
183532	941
183794	977
183795	943SM
183797	928SM
183801	2415
183807	977
183839	586
183840	558
183891	2408
183893	21
183896	12
184070	12
184071	2408
184072	11
184073	2505
184074	2416
184075	2406
184076	2417
184078	2419
184084	2407
184086	593
184087	596
184088	5033A
184091	6240#
184093	2418
184094	519
184096	585
184098	519
184099	552
184105	3098
184106	5010T1
184147	4066B
184148	987SM
184150	928SM
184151	977
184210	1871
184588	5016A
184737	15020
184761	2369
184798	519
184812	586
184813	290A
184854	519
185022	177
185112	5014A
185200	3099
185202	552
185203	519
185206	116
185207	588
185208	15009
185209	960
185211	5024A
185214	2359
185215	3098
185216	2358
185217	2357
185220	7091
185223	5013T1
185226	5016A
185228	5027A
185233	4066B
185235	1814
185236	5018A
185237	5332
185239	3098
185248	5019T1
185250	1787
185335	519
185411	177
185451	1801
185470	5010T1
185576	17
185578	2361
185623	5014A
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185878	555A
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185880	552
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185882	5019A
185883	5009A
185884	5011A
185885	611
185895	1827
185896	1673
185897	1661
185898	615A
185899	1843
185900	1842
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185915	85
185916	107
185917	290A
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185920	379◆
185921	373#
185922	378
185923	85
186342A	128
186404	595
186499	3104
186512	2359
186513	159
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186610	159
186634	123AP
186641	185
186642	128P
186644	383
186645	85
186646	5021T1
186648	5010T1
186651	1529
186659	2367
186660	2360
186671	615A
186740	15
186741	2361
186742	586
186773	966
186777	74LS123
186780	1805
186787	1813
186797	2337
186798	19
186799	2337
186800	19
186801	17
186898-12	52
187217	159
187218	123A
187268	2361
187400	1845
187574	588
187597	290A
187646	3105
187657	2358
187658	2356
187659	2357◆
187659(BCE)	2357
187660(BCE)	2358
187673	123AP
187674	159
187692	5009A
187749	2355
187751	16
187754	4066B
187755	2358
187756	2355
187827	578
187856	5014A
187918	552
187920	5010T1
187921	519
187922	5031A
187924	5024A
187928	85
187969	15023
188026	5017A
188056	519
188097	1896
188163	1295
188165	130
188180	159
188191	86
188226	129
188232	145A
188233	5014A
188234	116
188235	5012A
188236	552
188237	506
188238	125
188240	5038A
188241	5034A
188242	1861
188243	1789
188244	1747
188246	1782
188271	377#
188272	157
188273	198
188274	89
188304	6402§
188350	2324
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188551	2361
188553	2430
188557	2409
188558	2429
188559	2409
188560	552
188562	109
188565	5019T1
188566	593
188568	5029A
188569	558
188570	519
188571	116
188573	5016A
188577	586
188581	5019T1
188660-01	941
188667	928SM
188959	552
188964	552
188965	552
188973	5424#
189152	1781
189168	2428
189205	376
189206	2302
189309	451
189310	379◆
189311	291
189312	56
189313	5404
189315	2354#
189318	5022A
189320	5025A
189321	5025A
189324	5029A
189325	125
189328	580
189329	552
189333	5010T1
189334	5021T1
189336	1729
189354	7008
189355	1767
189435	592
189436	2413
189450	2407
189451	2412

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
189457	2408
189459	2406
189462	2428
189469	960
189518	587
189519	587
189609	116
189615	5021A
189631	2359
189816	2417
189839	2408
189885	2406
190206	587
190207	5077A
190208	5019T1
190224	3098
190254	2337
190404	140A
190425	121
190425A	121
190427	160
190428	123A
190429	159
190482	287
190483	2331
190681	5014A
190714	161
190715	123A
190716	109
190951	891SM
190994	2406
191109	2361
191142	2331
191296	943M
191297	1960
191300	152#
191407	5547
191413	5021T1
191420	4053B
191421	4052B
191426	2406
191472	584
191732	5019T1
191733	5013T1
191735	5011T1
191738	15022
191758	5330
191868	778A
191869	943M
191870	5547
191972	4066B
191988	1828
192027	5018A
192135	7037
192145	123AP
192272	928S
192276	1873
192277	116
192285	966
192333	2402◆
192681	2409
192698	85
192742	1797
192848	5018A
192902	943M
192909	107
192910	2357
192965	289A
193022	9158
193057	2343
193058	382
193082	1790
193128	1829
193159	5077A
193163	2362
193207	941
193225	966
193251	5010T1
193258	91
193259	26
193260	2355
193262	586
193263	5032A
193264	5029A
193267	928S
193333	1716
193703	54
193717	177
193719	177
193832	2408
193922	5012A
194086-3	176
194176	3008
194177	586
194178	5004A
194179	5000A
194182	2408
194222	943M
194224	3098
194226	928M
194243	128
194285	966
194305	960
194320	5424
194474-8	121
194561	116
194562	5329
194566	7036§
194687	126A
194714	116
194717	116
194881	2428
194917	506
194941	5022A
195090	578
195100	85
195198	595
195200	5007A
195205	2409
195297	5332
195478	5025A
195493	3105
195510	290A
195511	2367◆
195601-6	102A
195606	928M
195617	109
195648-6	116
195667	5010A
195668	5018A
195685	128
195703	588
195769	891SM
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195826	2416
195880	5013T1
195881	5013T1
195889	2368◆
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196023-2	123A
196058-4	121
196062	519
196064-3	102A
196117	123A
196121	1248
196122	1792
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196176	5317
196183-5	121
196183-7	102A
196184-3	116
196188	1873
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196200	56#
196201	24
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196212	5084A
196259-4	116
196333	2360
196414	2414
196493	5022A
196501-7	121
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196598	2406
196607-9	121
196621	112
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196646	2429
196650	2406
196779-9	128
196779-9-1	128
196780-1	128
197223	2408
197250	4053B
197323	5071A
197372	519
197374	5071A
197464	519
197591	5424
197782	891M
197837	22
197838	2406
197876	5008A
197877	5009A
197879	1716
197932	966
197935	2355
197936	2367
198003-1	123A
198003-2	123A
198005-1	195A
198007-3	123A
198010-1	126A
198013-P1	123A
198014-1	128
198020-1	128
198020-2	128
198020-3	128
198023-1	123A
198023-2	128
198023-3	123A
198023-4	123A
198023-5	123A
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198030-3	123A
198030-4	123A
198030-6	123A
198030-7	123A
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198031-2	123A
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198034-2	130
198034-3	130
198034-4	130
198034-5	130
198035-1	128
198035-3	128
198036-1	159
198038-1	175
198038-3	175
198038-4	175
198039-0507	130
198039-1	175
198039-3	175
198039-6	130
198039-7	130
198039-501	175
198039-503	175
198039-506	130
198039-507	130
198042-2	123A
198042-3	123A
198045-4	128
198047-1	128
198047-2	128
198047-3	128
198047-5	128
198047-6	128
198048-1	128
198048-2	128
198049-1	175
198050	159
198051-1	123A
198051-2	123A
198051-3	123A
198051-4	123A
198052	5332
198063-1	153
198064-1	181
198065-1	129
198065-3	129
198067-1	123A
198072-1	128
198074-1	129
198075-1	198
198077-1	128
198078-1	129
198079-1	181
198079-2	130
198400	909
198409-1	9949
198409-5	9944
198409-6	9932
198409-11	9946
198409-12	9962
198409-13	9930
198409-14	9936
198410-1	909
198538	15023
198581-1	123A
198581-2	123A
198581-3	123A
198589	519
198590	580
198591	5017T1
198592	5019T1
198593	5009A
198600	5036A
198603	5013T1
198747	159◆
198763-1	5870
198763-2	5871
198763-3	5874
198763-4	5875
198763-5	5874
198763-6	5875
198763-7	5874
198763-8	5875
198763-9	5878
198763-10	5879
198763-11	5878
198763-12	5879
198763-13	5882
198763-14	5883
198763-15	5882
198763-16	5883
198764-5	5986
198764-6	5987
198764-13	5994
198765-1	5980
198765-2	5981
198765-3	5982
198765-4	5983
198765-5	5986
198765-6	5987
198765-7	5988
198765-8	5989
198765-9	5990
198765-10	5991
198765-11	5992
198765-12	5993
198765-13	5994
198765-14	5995
198766-1	5529
198766-2	5529
198766-3	5529
198766-5	5529
198766-7	5529
198766-8	5529
198773-1	519
198775-1	519
198776-1	519
198779-1	519
198785	519
198785-1	519
198785-2	519
198794	2354#
198794-1	101
198799-4	519
198800-1	5626§
198801-1	905
198802	5547
198809-1	177
198810-1	519
198813-1	519
198816	5642
198818	5626§
198936-2	5675
199596	177
199807	194
199919	167
199985	116(3)
200028-7-28	102A
200062-5-31	102A
200062-5-32	102A
200062-5-33	102A
200062-5-34	102A
200062-5-36	116
200062-6-32	116
200064-6-103	108
200064-6-104	160
200064-6-105	108
200064-6-106	160
200064-6-107	123A
200064-6-108	102A
200064-6-109	127
200064-6-110	127
200064-6-111	102A
200064-6-115	116
200064-6-119	116
200064-6-120	116
200067	159
200076	123A
200155	5035A◆
200200	199
200200-700	199
200220	159
200227	177
200251-5377	123A
200252	128
200259-700	218
200433	159
200648-26	109
200727	1320
200729	1325§
200730	1281
200731	1346
200732	1334
200733	1335
200734	1322
200735	1335
200736	1327
200737	1327
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200756	1360
200764	1875
200769	1878
200773	1339
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200782	1319
200783	1815
200792	7030
200805	7031
200806	1882
200813	1816
200815	1874
200818	1817
200820	1818
200822	1818
200823	1315
200825	1819
200827	1315
200830	1316
200833	1317
200834	1871
200836	1316
200837	1317
200838	1871
200844	7029
200845	1879
200847	1877
200848	1877
200849	1218
200850	1218
200851	1218
200853	1219
200860	1820
200873	1880
200876	7026
200879	1733
200884	7023
200885	1821
200887	1884§
200888	1823
200889	1872
200901	1885
200906	1824
200907	1748
200908	1825
200909	1736
200913	1870
200914	1870
200915	7075
200917	7033
200919	7021
200920	7021
200921	7021
200922	7076
200923	1737
200924	1737
200936	1553§
200937	1645
200949	1644
200951	1546
200956	1868
200959	1740
200960	1743
200964	1740
200965	1740
200967	1741
200969	1742
200970	1743
200976	1741
200987	7092
200988	7092
200989	7095
200990	7093
200991	7095
200995	7077
200999	1839
201000	1776
201001	1897
201002	1778
201003	1778
201012	1894
201019	1895
201021	1840
201022	1796
201023	7078
201034	124
201066	5801
201087	4021B
201097(EBC)	107
201109	519
201123	5006A
201124	5011T1
201127	5031A
201618	588
202053	172A
202054	289A
202055	242
202056	1826
202057	1838
202072	5017A
202081	3105
202090	5332
202091	177
202093	5077A
202094	5010T1
202095	3098
202096	2337
202097	290A
202101	289A
202164	116
202315	109
202315(Thomas)	177
202375	778S
202410	2355
202437	4053B
202463	116
202535	4013B
202609-0713	123A
202617	199
202718	289A
202719	172A
202720	289A
202817	199
202862-518	519
202862-947	123A
202907-047P1	123A
202909-577	159
202909-587	159
202909-827	130
202911-737	159
202913-057	128
202914-010	9930
202914-010/250-060	9945
202914-010/250-070	9935
202914-010/250-100	9936
202914-020	9946
202914-030	9962
202914-040	9932
202914-050	9944
202914-417	123A
202915-627	123A
202917-137	129
202920-150	7491
202922-237	123A
202922-280	716§
202925-047	219
203364	159
203711	778A
203718	129
203718(WURLITZER)	193A
203719	192A§
203734	377
203735	378
204117	199
204201-001	128
204210-002	123A
204211-001	130
204969	123A
205032	159
205048	159
205049	159
205367	159
205478	977
205651	548◆
206070	294
206071(CBE)	159
206072	2362
206073	2361
206075	596
206080	4053B
206086	943M
206088	2414
206091	261◆
206093	5010A
206099	987
206109	2417
206110	2419
206116	125
206119	2418
206121	85
206122	2408
206123	56#
206125	2369
206126	2409
206180	5802
206184	3099◆
206185	5802
206190	5802
206617	177
206903	7043
206907	5022A
206926	5010T1
207119	124
207417	312
207440	2359
207441	2362
207442	290A
207445	5013T1
207489	3123
207511	5802
207701	3123
207731	960
207797	5036A
207899	2360
207951	968
207953	962
208176	2359
208456	962
208569	5009A
209185-962	121
209417-0714	108
209478	2408
210074	123A
210076	159
210690	552
210947	586
210958	85
210959	290A
210961	2359
211040-1	181
211083	519
211240	987SM
211359	2409
211385	595
211386	596
211393	5332
211411	1902
211415	2357
211417	5022A
211549	147A
211550	595
211551	5008A
211552	5005A
211553	558
211554	587
211555	586
211556	552
211558	5010T1
211559	146A
211569	4094B
211572	943SM
211603	2416
212117	199
212379	3098
212380	2361
212560	588
212571	3098
212572	999
212590	2368
212665	5077A
212671	382
212717	229
213217	199
213843	3105
213870	15021
214105	116
214396	121
214527	85
214535	5019T1
215004	596
215071	131MP
215072	123A
215074	123
215075	128
215081	123A
215085	15020
215086	15022
215089	131
215100	2408
215392	2337
215445	5036A
215669	116
215881	587
215883	588
215884	5009A
215974	139A
215975	5077A
216001	109
216003	110MP
216014	116
216017	186A
216020	116
216024	5072A
216066	4013B
216073	587
216183	5022A
216187	2407
216434	2408
216445-2	123A
216449	116
216817	116
216873	596
216877	569
216878	579
216880	588
216919	2408
216920	2409
216938	999
216986	121
217119	105
217230	105
217892	121
218012DS	104
218017	109
218502	102A
218503	102A
218511	128
218537	129
218612	116
218768	3022
218955	552
218956	588
218959	2337
218973	125
219016	101
219076	3098
219077	85
219078	290A
219079	290A
219080	587
219081	587
219242	125
219243	587
219245	5809
219246	5071A
219249	5010T1
219301	121
219348	2409
219349	2408
219359	293
219361	121
219375	7042
219440	121
219457	977
219459	5018A
219682	588
219935	116
219940	121
220020	152
220597	576
220730	1771
220731	1855
220735	5029A
220736	138A
220737	558
220738	552
220993	552
221128	116
221158	128
221549	399
221550	2302
221600	123A
221601	101
221602	121
221605	121
221856	126A
221857	123A
221897	123A
221918	123A
221924	101
221940	121
221941	121
222003	1090§
222016	1330
222020	1331
222042	5013A
222131	123A
222402	1100
222407	1104
222418	1237§
222419	801
222421	788
222422	1464
222423	1464
222424	941S
222428	7420
222442	7427
222449	1217
222452	1474
222453	1484
222455	788
222458	1482
222460	2000
222464	1248
222465	778A
222468	1100
222475	4049
222477	1208
222478	7400
222479	7427
222480	7432
222481	7410
222483	1447
222484	74S74
222487	74192
222488	7420
222489	7430
222490	7486
222491	74293§
222492	74193
222493	74LS192
222494	74LS193
222495	74S112
222496	960
222497	1214
222498	960
222499	7490
222501	7474
222502	778A
222503	74LS47
222504	74193
222505	7486
222509	102A
222524	577
222525	576
222534	778A
222541	1511
222542	966
222545	941M
222595	1441
222611	116
222867	125
222915	121
223004	2302
223103	109
223105	177
223106	177
223110	612
223123	519
223124	102A
223125	614
223132	109
223133	519
223215	116
223216	116
223323	116
223357	125
223358	116
223365	121
223366	102A
223367	101
223368	101
223369	160
223370	101
223371	102A
223372	100
223462	116
223467	116
223473	100
223474	160
223475	100
223482	103A
223483	102A
223484	102A
223485	102A
223486	102A
223487	126A
223489	5809
223490	121
223576	121
223684	101
223720	5809
223724	116
223753	116
223801	116
223802	116
223804	116
223805	116
223806	116
223810	102A
223815	156
223817	199
223827	116
223832	156
223841	116
223842	125
223845	125
223848	116
223849	125
223850	125
223853	113A
223854	125(2)
223855	125(2)
223856	125(2)
223858	156
223863	5802
223907	5081A
223909	5035A
223910	5021A
223915	5024A
223916	5031A
223918	142A
223921	5080A
223924	5022A
223927	5028A
223928	5013A
223943	5009A
223945	5010A
223948	5011A
223963	5021A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
223967	5024A
223974	5079A
223977	5031A
224000	5077A
224011	5009A
224012	5010A
224017	199
224022	5037A
224046	138A
224052	5019A
224053	5019A
224060	5024A
224069	5030A
224072	5077A
224079	5030A
224159	116
224503	121
224506	123A
224584	100
224586	160
224587	160
224597	116
224696	102A
224774	116
224780	142A
224817	123A
224820	103A
224857	102A
224873	121
225200	116
225265	5994
225267	5809
225300	103A
225311	160
225316	136A
225410	109
225592	116
225593	102A
225594	160
225594A	126A
225595	121
225596	121
225600	160
225925	121
225927	121
226058	116
226180	109
226181	100
226182	116
226237	116
226239	123A
226334	109
226338	100
226344	109
226441	101
226517	312
226546	116
226634	121
226788	116
226789	105
226791	103A
226922	125
226924	102A
226999	121
227000	108
227015	5809
227348	116
227517	123AA
227565	116
227566	121
227675	5882
227676	5994
227720	116
227724	5882
227752	100
227801	5882
227804	121
227917	102A
228007	140A
228017	102A
228229	121
228230	121
228287	102A
228417	229
228558	121
228559	121
228560	125
229017	123A
229042	5882
229045	105
229088	5994
229117	229
229133	160
229392	108
229522	116
229805	156
229936	552
230084	175
230099	109
230188-2	HiDiv-4
230188-3	HiDiv-4
230199	HiDiv-4
230199-1	HiDiv-1
230199-2	HiDiv-1
230199-3	HiDiv-4
230199-4	HiDiv-4
230199-5	HiDiv-4
230208	121
230208-1	HiDiv-4
230208-2	HiDiv-4
230209	101
230214	128
230218	116
230225-1	2V130
230225-2	2V150
230225-3	2V095
230233	128
230253	102A
230256	101
230259	102A
230523	121
230524	102A
230525	102A
230756	5994
230768	5529
230773	5882
231014	297
231017	297
231140-01	108
231140-04	127
231140-07	108
231140-09	127
231140-11	121
231140-15	123A
231140-21	102A
231140-23	108
231140-26	127
231140-28	154
231140-31	108
231140-33	121
231140-34	108
231140-36	161
231140-37	161
231140-43	161
231140-44	108
231140-45	103A
231339	116
231374	123A
231375	128
231378	130
231417	199
231517	294
231588	102A
231591	291
231665	116
231669	116
231672	121
231706	102A
231797	121
231923	116
232017	123A
232194	121
232203	116
232268	175
232359	130
232359A	130
232519	5882
232520	5994
232631	159
232674	121
232675	121
232676	160
232678	123A
232680	109
232681	126A
232840	108
232841	128
232949	101
233011	116
233062	506
233117	229
233119	519
233148	5022A
233150	145A
233305	105
233307	105
233507	100
233508	105
233509	121
233561	116
233597	116
233735	128
233817	199
233849	125
233943	5009A
233944	5009A
233945	100
233969	129
234015	160
234024	128
234076	102A
234077	121
234078	105
234178	121
234552	116
234553	125
234565	116
234566	121
234611	116
234612	123A
234630	102A
234631	160
234758	123A
234761	116
234763	123A
235157	5882
235192	123A
235194	102A
235200	160
235205	123A
235206	123A
235299	5994
235312	121
235313	116
235382	125
235541	156
235543	116
235546	116
235997	162
236039	161
236251	108
236265	101
236266	139A
236282	154
236285	123A
236286	123A
236287	128
236288	127
236433	129
236706	108
236709	102A
236854	181
236907	108
236935	121
237016	140A
237017	519
237018	109
237020	108
237021	108
237022	116
237023	140A
237024	108
237025	123A
237026	108
237028	195A
237037	140A
237070	156
237075	191
237223	123A
237227	116
237421	156
237450	124
237452	121
237453	116
237509	5994
237785	108
237840	108
237929	116
238208-002	176
238368	123A
238417	102A
238418	102A
239097	156
239103	225
239219	138A
239221	116
239429	125
239517	196
239612	128
239706	5020A
239713	181
239917	235
239970	123A
240003	102A
240006	102A
240055	156
240076	156
240077	5994
240388	124
240401	123A
240402	129
240403	127
240404	162
240456	116
240564	177
240594	116
240603	116
241052	129
241249	108
241295	125
241302	121
241420	5994
241517	159
241657	130
241778	108
241884	159
241960	108
242029	116
242102	152
242141	125
242183	121
242221	102A
242226	116
242323	282§
242422	129
242460	129
242522	552
242590	108
242758	123A
242759	123A
242760	159
242838	121
242958	129
242960	108
243028	724
243115	156
243168	127
243215	105
243284	349
243318	108
243364	116
243388	123A
243585	123AP
243645	108
243815	105
243837	103A
243843	5642
243922	287
243939	102A
244007	100
244057	5021A
244357	124
244817	123A
245078-3	108
245117	5072A
245192	177
245217	139A
245517	109
245568-2	176
245917	306
246017	5075A
246360	5801
246572	116
246573	146A
246617	158
246917	116
246976	5020A
247774	339
247974	451
248017	297
248717	295
248817	177
248917	116
249017	152
249117	123A
249217	116
249317	138A
249508-3	177
249588	126A
249635	346
249688	339
249689	339
249711	180
250149	519
250220	5018A
250221	5035A
250222	5010T1
250400	103A
251026	5313
251026-01	5313
251026-02	5313
251026-03	5313
251517	199
251819-07	519
251819-16	519
252717	136A
252744	124
252817	116
253704	105
255728	102A
255821HS	193
255903	5994
256068	121
256071	121
256122	5994
256126	100
256127	101
256217	123A
256317	290A
256417	229
256480	105
256517	123A
256617	229
256717	612
256728	5994
256729	5882
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530096-2	120
530096-3	119
530097-2	120
530097-3	506
530098-1	116
530098-1001	116
530099-1	116
530099-3	116
530099-4	116
530099-5	113A
530104-2	610
530105-1	109
530105-1001	110MP
530106-1	507
530106-1001	507
530109-1	116
530111-1	116
530111-1001	116
530111-1002	125
530113-1	109
530113-2	125
530113-1001	506
530116-1	503
530116-3	177
530116-1001	177
530116-1003	116
530118-2	142A
530119-1	503
530119-5	503
530119-7	505
530119-8	504
530119-9	505
530120-1	166
530122-1	116(3)
530122-2	506
530123-3	506
530123-4	506
530123-5	506
530123-7	506
530124-1	116
530124-2	505
530124-3	116(4)
530126-1	116
530127-1	109
530127-4	116
530127-5	113A
530127-6	116
530128-1	358
530130-1	199
530132	118
530132-1	118
530135-1	125
530135-2	519
530135-3	116
530135-1003	116
530136-T	506
530144	506
530144-1	177
530144-1001	519
530144-1002	177
530144-1003	177
530144-1004	519
530145-100	140A
530145-120	142A
530145-130	5022A
530145-339	134A
530145-569	136A
530145-689	5071A
530145-1470	5088A
530145-1569	136A
530146-1	178MP
530146-2	178MP
530148-3	506
530148-4	506
530148-1003	506
530148-1004	506
530149-9	505
530150-1	177
530151-1	552
530151-2	552
530151-3	552
530151-4	552
530151-1001	552
530151-1002	552
530151-1003	552
530151-1004	552
530152-1	166
530153-1	522
530157-100	5019A
530157-101	5050A
530157-110	5020A
530157-111	5051A
530157-120	5021A
530157-121	5052A
530157-130	5022A
530157-131	5053A
530157-140	5023A
530157-141	5054A
530157-150	5024A
530157-151	5055A
530157-160	5025A
530157-161	5056A
530157-170	5026A
530157-171	5057A
530157-180	5027A
530157-181	5058A
530157-190	5028A
530157-191	5059A
530157-200	5029A
530157-220	5030A
530157-240	5031A
530157-249	5000A
530157-250	5032A
530157-259	5001A
530157-270	5033A
530157-279	5002A
530157-280	5003A
530157-289	5003A
530157-300	5035A
530157-309	5004A
530157-330	5036A
530157-339	5005A
530157-360	5037A
530157-369	5006A
530157-390	5038A
530157-399	5007A
530157-430	5039A
530157-439	5008A
530157-470	5040A
530157-479	5009A
530157-510	5041A
530157-519	5010A
530157-560	5042A
530157-569	5011A
530157-600	5043A
530157-609	5012A
530157-620	5044A
530157-629	5013A
530157-680	5045A
530157-689	5014A
530157-750	5046A
530157-759	5015A
530157-820	5047A
530157-829	5016A
530157-870	5094A
530157-879	5017A
530157-910	5049A
530157-919	5018A
530157-950	5096A
530157-1100	5019A
530157-1120	5021A
530157-1220	5030A
530162-1	116
530163-120	142A
530165-1	522
530165-2	522
530165-3	522
530165-4	522
530165-5	534
530165-6	529
530165-7	539
530165-8	534
530165-9	539
530165-10	534
530165-11	529
530165-12*	539
530165-13	529
530165-14	535
530165-15	534
530165-16	534
530165-17	529
530165-18	535
530165-19	557
530165-20	557
530165-23	526A
530166-1004	137A
530166-1005	5097A
530166-1006	5136A
530166-1007	5097A
530166-1013	5097A
530170-1	583
530171-1	116
530171-2	116
530171-3	125
530171-1001	116
530171-1002	116
530171-1003	125
530171-1569	5011A
530176-1	615A
530179-1	177
530179-2	177
530179-3	177
530179-1001	177
530179-1002	177
530179-1003	177
530180-1001	116
530181-1	519
530181-1001	519
530181-1002	519
530181-1003	519
530181-9003	519
530184-1	580
530184-2	580
530184-1001	580
530184-1002	580
530185-1	5316
530191-3	549
530191-4	549
530191-5	549
530192-100	140A
530192-101	5096A
530192-110	5074A
530192-111	151A
530192-120	142A
530192-121	5097A
530192-130	143A
530192-131	5098A
530192-150	145A
530192-151	5100A
530192-160	5075A
530192-161	5101A
530192-180	5077A
530192-181	5103A
530192-200	5079A
530192-201	5105A
530192-220	5080A
530192-240	5081A
530192-270	146A
530192-300	5084A
530192-330	147A
530192-339	5066A
530192-360	5085A
530192-369	134A
530192-390	5086A
530192-399	5067A
530192-430	5087A
530192-439	5068A
530192-470	5088A
530192-479	5069A
530192-510	5089A
530192-519	135A
530192-560	5090A
530192-569	136A
530192-620	149A
530192-629	137A
530192-680	5092A
530192-689	5071A
530192-750	5093A
530192-759	138A
530192-820	150A
530192-829	5072A
530192-910	5095A
530192-919	139A
530192-1120	142A
530192-1180	5077A
530192-1200	5079A
530194-3	112
530195	616
530195-1	616
530195-2	616
530195-3	616
530195-4	616
530195-5	616
530198	5342
530198-0001	5342
530198-1	5342
530204-01	5304
530205	555A
530205-1	555A
530205-2	555A
530205-3	553
530205-4	553
530205-5	555A
530218-1	552
530220-1	519
530221-1	558
530222-1	5842
530224-3	5862
530225-120	5021A
530225-180	5077A
530225-240	5081A
530235-1	3033
530239-11	125
530246	167
530246-1	167
530249-0569	5011T1
530249-100	5019T1
530249-519	5010T1
530249-629	5013T1
530251-1	519
530251-2	519
530252-1	177
530252-2	177
530253-1	5099A
530253-4	140A
530253-5	5079A
530253-6	142A
530253-7	5097A
530253-8	5082A
530253-10	5096A
530253-12	5094A
530253-13	135A
530253-14	142A
530254-1	5047A
530254-2	5050A
530254-3	5029A
530254-4	5031A
530254-5	5048A
530254-6	5019A
530254-7	5019A
530254-10	5055A
530254-11	5021A
530254-12	5011A
530254-13	5052A
530254-14	5006A
530254-15	5032A
530254-16	5033A
530254-17	5007A
530254-18	5024A
530254-19	5008A
530254-20	5052A
530254-21	5022A
530254-24	5020A
530254-26	5015A
530254-27	5107T2
530254-29	5028A
530254-31	5029A
530254-32	5005A
530254-33	5035A
530254-35	5046A
530254-36	5027A
530254-37	5035A
530254-38	5016A
530254-39	5013T1
530254-40	5010A
530254-45	5015A
530255-1	116
530256-2	125
530256-3	125
530256-5	125
530260-1	580
530260-2	580
530261-1	552
530262-1	125
530262-2	125
530263-1	552
530264-1	580
530266-1	177
530267-1	552
530267-2	552
530268-1	519
530268-2	519
530270-1	556
530271-1	125
530271-2	125
530271-3	125
530271-4	125
530274-1	3017
530274-2	3017
530275-1	525
530275-2	525
530275-3	525
530277-1	109
530278-1	5134A
530278-2	5130A
530278-3	5116A
530278-4	5127A
530278-5	5116A
530278-6	5127A
530278-7	5135A
530278-9	5116A
530278-10	5127A
530280-1	5152A
530281-1	125
530284-1	5314
530285-1	3017
530286-1	3033

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
530287-1	3043◆
530288-1	615A
530290-1	558
530290-2	558
530291-1	500A
530291-2	522
530291-3	574
530291-4	522
530291-5	522
530291-6	522
530291-7	522
530298-1	3041◆
530299-1	587
530299-2	116
530300-1	3041
530302-2	5011T1
530302-3	5021T1
530302-6	5019T1
530305-1	580
530305-2	580
530305-3	580
530306-1	5802
530306-2	5804
530306-3	5806
530306-4	5808
530306-5	5809
530310-1	580
530310-2	580
530310-3	580
530313-1	553
530313-2	553
530313-3	553
530321-1919	139A
530326-3	588
530334-1	3092
530352-0001	597
530352-0002	598
530352-1	597
530352-2	598
530352-4	581
530362-2	3092
530605-0001	6240
530605-0002	6244
530605-1	6240
530605-2	6244
530606	5315
530606-0001	5315
530606-0002	5315
530606-1	5315
530606-2	5315
530872-1	523/3306
530872-2	523/3306
530872-3	526A
530872-4	523/3306
530872-5	523/3306
530872-6	523/3306
530872-7	526A
530872-8	526A
530872-9	523/3306
530972-14	506
531298-001	106
531841-002	199
531972	128
532003	175
532593	290A
532775	199
533038	116
533802	123A
534001H	177
535151-1001	116
537200	102A
537790	102
538719	5015A
540204	161
540205	154
540405	5010A
543995	159
546000	7400
546002	7402
546004	7404
546006	7406
546008	7408
546014	7414
546028	7428
546030	7430
546074	7474
546076	7476§
546125	74125
546126	74126
546132	74132
546154	74154
546155	74155
547684	106
551006	761§
551015	102A
551026	116
551051	102A
552005	125
552006	116
552007	506
552010	116
552308	123A
552503	159
558875	7400
558876	7402
558877	7410
558878	7420
558879	7430
558880	7440
558881	7473
558882	7474
558883	7490
558885	7493A
559507	7401
559509	7450
559510	7460
559557	180
559613	7453
560004	121MP
560020S	156
560028S	116(2)
560029S	116(2)
560032S	116
560046S	116
560050S	125
560057S	5304◆
560058S	5313
560059S	156
560060S	125
560061S	5304
562654	519
562889	159
564671	129
567312	123
570000-5452	123A
570000-5503	123A
570004-503	123A
570005-452	123A
570005-503	123A
570009-01-504	123A
570029	130
570030	185
570031	184
572001	185
572683	123A
573001	102A
573003	102A
573005	102A
573011	102A
573012	102A
573018	102A
573022	102A
573024	109
573029	102A
573036	102A
573037	103A
573101	108
573103	102A
573110	102A
573114	102A
573117	102A
573119	102A
573125	102A
573142	102A
573152	102A
573153	102A
573166	121
573184	102A
573199	127
573200	102A
573212	127
573303	126A
573328	102A
573329	126A
573330	126A
573335	160
573336	160
573356	100
573366	126A
573371	160
573398	160
573402	126A
573405	160
573406	160
573422	102A
573428	126A
573432	102A
573467	123A
573468	123A
573469	123A
573471	126A
573472	108
573474	108
573479	123A
573480	123A
573481	123A
573494	108
573495	108
573501	154
573515	124
573518	126A
573529	102A
573532	128
574003	102A
575001	109
575002	109
575005	109
575009	109
575019	109
575028	116
575037	112
575042	116
575047	506
575049	506
575050	116
575051	116
575091	109
575995	120
576001	102A
576004-018	351
576004-053	352
576005	102A
576054	177
576063	109
580029	116
581005	102
581024	101
581034A	123A
581042	102
581054	123A
581055	123A
581070	130
581078	5641
581078-1	5641
584342(1)	379
586343-1	350
586344-1	479
586360-1	351
587012	726
595819-1	704
595819-2	726
599995	358
600008-001	5019A
600080-413-001	123A
600080-413-002	123A
600096-413	123
600098-413-001	123A
600115-413-001	130
601030	109
601032	160
601040	160
601052	160
601054	126A
601054(Sharp)	105
601065	103A
601113	108
601122	123A
602032	121
602040	158
602051	158
602075	160
602081	139A
602113	108
602113(Sharp)	123A
602122	128
602909-2A	123A
602909-3A	129
602909-7A	128
603020	160
603030	160
603031	121
603040	160
603112	160
603113	108
603114	116
603122	123A
603312	160
604030	160
604040	160
604080	160
604112	126A
604113	108
604122	123A
604407	177
605030	102A
605112	160
605113	128
605122	131
605131	118
606020	158
606112	102A
606113	116
607101	113A
607113	119
607122	124
608030	116
608101	116
608112	127
608112(Sharp)	179
608113	116
608122	128
609020	160
609030	116
609112	123A
609113	116
610002-011	74LS11
610002-014	74LS14
610002-026	74LS26
610002-038	7438
610002-074	74LS74A
610002-086	74LS86
610002-123	74LS123
610010-413	2013
610010-470	3470
610020	116
610020-917	995
610030	110MP
610030-1	100
610030-2	100
610030-3	100
610030-4	100
610030-5	100
610030-6	100
610030-7	100
610030-8	100
610030-9	100
610031-1	289A
610031-2	289A
610031-3	289A
610031-4	289A
610032-1	121
610033-1	121
610035	102A
610035-1	100
610035-2	102A
610036	102A
610036-1	100
610036-2	100
610036-3	100
610036-4	102
610036-5	102A
610036-6	102
610036-7	102
610036-8	102A
610038-1	121
610039	121
610039-1	121
610040	102A
610040-1	102A
610040-2	102A
610041	108
610041-1	108
610041-2	161
610041-3	108
610042	161
610042-1	108
610043	102A
610043-1	102A
610043-2	102A
610043-3	102A
610043-4	102A
610043-6	102A
610043-7	102A
610045	108
610045-1	108
610045-2	108
610045-3	123A
610045-4	123A
610045-5	123A
610046-1	100
610046-7	108
610049-1	121
610050	160
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610050-2	160
610050-3	160
610051	160
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610051-2	160
610051-4	160
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610052-1	102A
610053	160
610053-1	160
610053-2	160
610055	160
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610055-2	160
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610056-4	160
610057-1	100
610059-1	100
610059-2	100
610061-1	160
610063-1	163A
610064-1	162
610067	121
610067-1	121
610067-2	121
610067-3	121MP
610067-D	121
610068	121
610068-1	121MP
610069	108
610069-1	108
610070	123A
610070-1	123A
610070-2	123A
610070-3	123A
610070-4	123A
610071	124
610071-1	124
610071-2	124
610072	108
610072-1	108
610072-2	108
610073	108
610073-1	161
610074	126A
610074-1	159
610074-2	100
610075-1	154
610076	123A
610076-1	123A
610076-2	123A
610077	123A
610077-1	123A
610077-2	123A
610077-3	123A
610077-4	123A
610077-5	123A
610077-6	123A
610078	123A
610078-1	123A
610078-2	123A
610079	102A
610079-1	102A
610079-2	199
610080	102A
610080-1	102A
610082-2	159
610083	159
610083-0001	159
610083-0002	159
610083-0004	159
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610083-3	159
610083-4	159
610083-5	159
610083-6	159
610083-9001	159
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610088-1	102A
610088-2	102A
610091	108
610091-1	108
610091-2	108
610092	108
610092-1	108
610092-2	108
610093-1	159
610094	123A
610094-0001	123AP
610094-0004	123AP
610094-1	123AP
610094-2	123AP
610094-3	47
610094-4	123AP
610094-4(EBC)	199
610096	108
610096-1	108
610099	129
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610099-2	129
610099-3	102A
610099-5	129
610099-6	159
610100	108
610100-1	161
610100-2	107
610100-3	108
610102-1	106
610106	121
610106-1	121
610107-1	108
610107-2	128
610110	129
610110-1	159
610110-2	159
610111	219MCP
610111-1	219
610111-2	130
610111-3	219
610111-3B	219
610111-4	130
610111-5	219
610111-6	152
610111-7	219
610111-8	152
610112	116
610112-1	153
610113-1	172A
610113-2	172A
610120-1	159
610121-1	6402§
610121-2	6402§
610121-3	6402§
610122	283
610122-1	283
610122-2	283
610122-3	283
610122-4	283
610122-5	283
610122-6	283
610123-1	164
610124-1	123AP
610125-1	159
610126-1	102A
610126-2	103A
610128-1	199
610128-2	199
610128-4	108
610128-5	199
610128-6	199
610129-1	129
610131	210
610131-1	210
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610246-2(BEC)	395◆
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610473-1	238

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612285-3	928M
612289	4070B
612289-1	4070B
612291-1	74LS93
612294	851
612294-1	851
612298	4538B
612298-0001	4538B
612298-1	4538B
612299	1439
612299-1	1439
612303-1	1416
612304	1445§
612304-1	1445§
612305	1231A
612305-1	1231A
612305-2	1231A
612308	74LS73
612308-1	74LS73
612318-1	2203§
612327-1	1566
612328-1	1632
612329-1	1567
612331-1	820
612331-2	820
612332-1	1374
612332-2	1374
612332-3	1374
612332-4	1374
612332-5	1376
612332-6	1374
612333	859
612333-1	859
612334-1	797
612335-1	4094B
612336-1	865§
612337-1	866§
612337-2	866§
612337-3	866§
612337-4	866§
612337-5	866§
612338-2	822
612338-3	822
612339	1413
612339-1	1413
612342-1	2200
612347-1	821
612347-2	821
612349-2	2201§
612350-1	4011B
612351-1	712
612353-1	1380
612353-2	1380
612353-3	1380
612354-1	740A
612359-1	857M
612360-1	960
612361	973D
612361-1	973D
612362-1	1231A
612362-2	1231A
612363	852
612363-1	852
612363-2	852
612363-3	852
612363-4	852
612363-5	852
612367	965
612367-1	965
612370	1580§
612370-1	1580§
612370-2	1580§
612371	823
612371-1	823
612372	74LS27
612372-1	74LS27
612379-1	4031B
612380	4066B
612380-1	4066B
612380-2	4066B
612382-1	75189
612383-1	75188
612384-1	74LS174
612385-1	74LS42
612386-1	40161B
612396-1	4081B
612397-1	40161B
612399-1	977
612406	793
612406-1	793
612406-2	793
612410-1	80C96
612412	1803
612412-0001	1803
612412-0002	1803
612412-1	1803
612412-2	1803
612414-0001	1319
612414-1	1319
612415-1	1652
612416-3	2202
612418-1	2206
612419-1	2204§
612420-1	2205
612424	1786
612424-1	1786
612427	74C374
612427-1	74C374
612429	74LS10
612429-1	74LS10
612430	74LS151
612430-1	74LS151
612433	2114
612433-1	2114
612437	2128
612437-1	2128
612438	1416
612438-1	1416
612443-1	2201§
612444	1754◆
612444-1	1754◆
612445-1	1632
612448	960
612448-1	960
612449	1752
612449-1	1752
612455	74LS14
612455-1	74LS14
612460-1	2023
612464	923D
612464-1	923D
612466	943M
612466-1	943M
612467-1	1852
612474	4052B
612474-1	4052B
612475	4001B
612475-1	4001B
612479-1	960
612479-3	964
612479-4	966
612479-5	968
612479-6	958
612479-7	972
612480	859
612480-1	859
612489	1744
612489-1	1744
612492	2013
612492-1	2013
612493-1	4053B
612494-1	778A◆
612496-1	1655
612504	1219◆
612504-1	1219◆
612507	7018
612507-0001	7018
612507-1	7018
612508	1890
612508-1	1890
612514	2164
612514-1	2164
612525-0001	1917
612525-0002	1903
612525-0003	1905
612525-1	1917
612525-2	1903
612525-3	1905
612527	4051B
612527-1	4051B
612530	7407
612530-1	7407
612533	74LS09
612533-1	74LS09
612534	74LS156
612534-1	74LS156
612535-0001	74HC00
612535-0002	74HC02
612535-0004	74HC04
612535-0008	74HC08
612535-000A	74HC00
612535-0014	74HC14
612535-0032	74HC32
612535-0086	74HC86
612535-0123	74HC123
612535-0138	74HC138
612535-0139	74HC139
612535-0161	74HC161
612535-0174	74HC174
612535-0244	74HC244
612535-0373	74HC373
612535-0573	74HC573
612535-1	74HC00
612535-2	74HC02
612535-4	74HC04
612535-8	74HC08
612535-14	74HC14
612535-32	74HC32
612535-86	74HC86
612535-138	74HC138
612535-139	74HC139
612535-161	74HC161
612535-174	74HC174
612535-244	74HC244
612535-373	74HC373
612535-573	74HC573
612535-4053	74HC4053
612536-0001	74HCT00
612536-0004	74HCT04
612536-0008	74HCT08
612536-0032	74HCT32
612536-0138	74HCT138
612536-0161	74HCT161
612536-0174	74HCT174
612536-0244	74HCT244
612536-0273	74HCT273
612536-0373	74HCT373
612536-0374	74HCT374
612536-1	74HCT00
612536-4	74HCT04
612536-8	74HCT08
612536-32	74HCT32
612536-138	74HCT138
612536-161	74HCT161
612536-174	74HCT174
612536-244	74HCT244
612536-273	74HCT273
612536-373	74HCT373
612536-374	74HCT374
612545	1786
612545-1	1786
612546	2085
612546-1	2085
612546-2	2087
612548	74LS244
612548-1	74LS244
612563	1800
612563-0001	1800
612563-1	1800
612564	1801
612564-0001	1801
612564-1	1801
612566	4002B
612566-1	4002B
612569	849
612569-1	849
612570	701
612570-1	701
612573-1	1751
612574	1797
612574-1	1797
612575-1	1846
612586-0001	1776
612586-0002	1777
612586-0003	1776
612586-0004	1777
612586-1	1776
612586-2	1777
612586-3	1776
612586-4	1777
612596-0001	1741◆
612596-0002	1742◆
612596-1	1741◆
612596-2	1742◆
612606	1792
612606-0001	1792
612606-1	1792
612625	1773
612625-1	1773
612628	1798
612628-0001	1798
612628-1	1798
612629	7067
612629-0001	7067
612629-1	7067
612645-1	74LS132
612664-0001	1765
612664-0002	1765
612664-1	1765
612664-2	1765
612670	943SM
612670-1	943SM
612671-1	960
612671-2	964
612671-3	966
612671-4	968
612672	999
612672-0001	999
612672-1	999
612676	74LS132
612676-1	74LS132
612681	1781
612681-1	1781
612686	7066
612686-0001	7066
612686-1	7066
612688-0001	1858
612688-1	1858
612704	1917
612704-0001	1917
612704-1	1917
612704-9001	1917
612713	891M
612713-1	891M
612713-2	891M
612716-1	1845
612739	778A
612739-0001	778A
612739-1	778A
612761	1852
612761-0001	1852
612761-1	1852
612817	7054
612817-0001	7054
612817-1	7054
612845	4256
612845-0001	4256
612845-1	4256
612851	1819
612851-0001	1819
612851-1	1819
612867	1799
612867-0001	1799
612867-1	1799
612874	74HCT163
612874-0001	74HCT163
612874-1	74HCT163
612876	7039
612876-1	7039
612922	858SM
612922-0001	858SM
612922-1	858SM
613020	116
613027	960
613027-0001	960
613027-1	960
613112	108
613130	116
613132	119
614010	116
614020	110MP
614112	112
615004-8	177
615010	109
615093-2	123A
615136-1	358
615154-1	519
615179-1	123A
615179-2	123A
615180-1	159
615180-2	159
615180-3	159
615180-4	159
615246-1	941M
615268-101	941M
616010	113A
617871-1	121
618072	123A
618126-1	123A
618136-1	128
618139-1	121
618150-3	177
618165-1	199

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
618181-1	199
618197	128
618217-2	123A
618241-2	910
618483-1	941
618580	312
618639-1	519
618810-2	123A
618955-2	130
618960-1	198
618984-1	941
618986-2	218
618986-4	218
619006	123A
619006-1	128
619006-7	123A
619009-1	175
619010-1	198
619011	519
619050-1	910D
619070-21	3120
619087-1	519
619094	5626§
619130	116
619224-50	1630
619256	5697
619256-1	5695
619361-1	175
619526-1	519
619550-1	829
619692-1	723
619693-1	787
619694-1	724
619828-1	747
619844-1	746
620782	176
621431	74LS157
621431-1	74LS157
621432	74LS374
621432-1	74LS374
623321	987
630002-001	123AP
630003-110	261
630006-001	326
630007-001	159
630008-907	159
630063	5802
633977	113A
649002	130
650060	159
650130	519
650175	129
650196	102
650845	177
650854	177
650859-1	102
650859-2	102
650859-3	102
650860	101
650970	121
651012	102
651030	116
651038	116
651202	121
651236	102
651891	289A
651891-5	289A
651955	123A
651955-1	289A
651955-2	289A
651955-3	289A
651956	128
651995-1	123A
651995-2	123A
651995-3	123A
652072	289A
652085	121
652086	121
652091	289A
652092	116
652230	289A
652231	128
652321	154
652615	116
653406	128
654000	289A
654001	6401
654003	121
654007	100
654008	289A
654009	289A
654010	121
654011	289A
654012	289A
654013	159
654014	121
654030	177
654031	114
654032	114
654033	177
654034	177
654036	116
654037	5966
654038	177
654039	5802
654041	100
654042	5015A
654420	5802
655319	121
656064	6410§
656204	123A
656520	326
656524	289A
656719	289A
656746	289A
657161	OBS-NLA
657179	185
657180	184
657180-1	184
657180-2	291
657181	185
657181-1	185
657874	761§
658577	123AP
658578	123AP
658580	909D
658620	159
658657	289A
659133	123AP
659137	159
659140	184
659141	183§
659143	185
659174	130
659567	7405
660030	102A
660031	121MP
660059	102A
660060	102A
660064	160
660070	128
660072	102A
660074	128
660077	121
660082	102A
660084	160
660085	160
660092	331
660094	121
660095	121
660097	121
660100	128
660103	121
660138	218
660142	289A
660144	105
660144A	105
660203	159
660327	941M
660327-1	941D
660327-2	941M
660327-3	941D
660328	289A
660388-02	941M
660388-1	941D
660388-2	941M
660827-2	941D
660827-3	9804
661010	113A
661972	2041§
661973	824
662108	988
662112	992
662194-2	196
662271-2	197
662597	960
662861	4013B
662862	4012B
662863	4023B
662864	74C42
662865	4051B
662866	4050B
662868	977
662871	74C151
667784	289A
670850	121MP
670850-1	121MP
681266	129
681266-1	129
696575-198	128
698941-1	159
699291	199
699410-140	128
699414-164	124
699739	116(2)
700010FABCBC	1396
700021-00	118
700043-00	116
700047-47	123A
700047-49	123A
700055-00	113A
700063-00	116
700080	130
700080A	130
700083	130
700083A	130
700181	123A
700191	175
700195	175
700230-00	123A
700231-00	123A
700533-001	564
700533-001Y3	564
700647	116
700663	116
700664	116
700848-2B	1171
701584-00	159
701589-00	159
701662-00	177
701678-00	161
701819-9AC	5702
702407-00	128
702415-00	210
702884	123A
702885	121
702885-00	121
702886	152
703639-1	742
703639-2	742
705784-1	175
710206	910
710206-43	923
710398-28	909
710838-1	177
717101	152
717126-505	74H04
717136-1	74S00
717136-15	74S20
717399-3	923
717399-4	941
717399-22	9109§
717399-49	941
717399-73	9112§
720236	123A
720240	123A
720453	5800
720454	5801
720455	5802
720456	5804
720457	5806
720458	5804
720463	5806
720608-13	519
720609-1	519
721272	159
723000-18	101
723001-19	101
723020-41	128
723043-1	129
723060-29	175
723423-7	175
723423-9	175
723423-16	175
723423-20	175
725000-611	815
726654	519
730547	704
731009	102A
740183	116
740247	131MP
740289	116
740306	85
740402	235
740417	102A
740437	123A
740438	289A
740439	289A
740440	289A
740441	289A
740442	289A
740443	131MP
740461	85
740462	85
740463	85
740466	123A
740470	123A
740471	131MP
740502	1107
740543	1107
740570	116
740583	1103
740622	720
740622(RCA)	720
740628	5071A
740629	178MP
740630	116
740728	161
740781	1037
740782	1087
740828	177
740855	6400B
740856	152
740857	289A
740885	176
740886	85
740887	199
740940	1005
740946	126A
740947	126A
740948	126A
740949	85
740950	85
740951	107
740952	109
740953	5071A
740954	109
740955	614
741008	290A
741050	102A
741051	519
741052	612
741098	1006
741100	177
741101	116
741114	85
741115	186A
741116	136A
741168	4011B
741169	125
741170	605A
741171	177
741172	85
741173	107
741174	290A
741175	290A
741176	312
741205	161
741207	612
741208	601
741209	107
741210	312
741211	159
741327	229
741328	229
741329	312
741330	293
741332	116
741333	116
741334	135A
741336	140A
741338	601
741340	1100
741341	1160
741342	703
741343	7490
741347	451
741348	7493A
741420	159
741425	290A
741426	289A
741427	289A
741429	135A
741473	1170
741518	1082
741519	801
741533	7442
741538	85
741539	85
741545	5809
741673	1160
741686	1167
741687	1155
741688	306
741689	614
741724	85
741726	85
741727	123A
741728	289A
741729	290A
741730	85
741731	229
741732	235
741733	107
741735	85
741736	85
741737	85
741738	135A
741739	5018A
741739(TRAN.)	85
741740	116
741741	177
741805	85
741806	199
741852	1082
741853	1056
741854	1058
741855	85
741856	289A
741857	199
741858	85
741859	235
741860	222
741860(1 Gate)	312
741860(2 Gate)	222
741861	289A
741862	107
741863	290A
741864	519
741864(Diode)	177
741864(Transistor)	171
741865	116
741866	109
741867	140A
741868	614
741869	5072A
741870	5072A
741931	229
742004	109
742008	116
742008(TRANSISTOR)	290A
742009	116
742257	108
742258	199
742259	199
742260	199
742261	85
742262	289A
742263	152
742264	153
742267	5019A
742268	116
742269	1234
742270	801
742274	107
742275	107
742348	85
742349	85
742362	1226
742363	1087
742364	1155
742365	613
742366	5073A
742510	1192
742512	85
742513	199
742537	85
742544	107
742545	295
742546	290A
742547	107
742548	85
742549	85
742550	199
742558	85
742564	290A
742567	293
742621	289A
742623	186A
742624	384
742703	85
742705	85
742712	159
742723	1248
742725	7474
742726	977
742727	992
742728	85
742729	293
742730	109
742732	614
742880	229
742881	289A
742882	1170
742920	165
742922	5072A
742946	229
742970	236
742990	290A
742991	199
743154	1003
743238	107
743239	459
743244	519
743245	612
743352	85
743353	1234
743355	5018A
743417	1226
743418	1155
743502	85
743510	289A
743511	519
743655	85
743949	5020A
744002	113A
744006	113A
744070	6402§
744205	85
744211	1234
744214	1493
744215	177
744223	1170
744224	1398
744275	85
744293	5016A
744314	4066B
744916	1525
744917	107
744920	85
744929	1170
744930	1534
744957	152
746004	116
749002	107
749014	107
750746A	358
752309	116
755722	109
757004	74HC374
757008-02	123A
760005	222
760011	7400
760012	172A
760013	7490
760015	7476§
760021	219
760028	OBS-NLA
760037	519
760038	123A
760040	159
760051	312
760053	229
760057	109
760066	123A
760068	199
760088	136A
760101-0005	109
760101-0006	109
760105	829
760106	4511B
760142	123A
760202-0003	116
760204-0001	610
760236	123A
760239	123A
760249	107
760251	123A
760253	107
760268	312
760269	159
760275	186
760276	187
760284	311
760298	135A
760304	142A
760309	5116A
760333	4066B
760522-0002	722
761113	116
762200-14	9093
765713	125
765722	109
770339(Crystal)	358
770339(I.C.)	760
770523	102A
770524	102A
770525	158
770730	102A
770768-3170756	124
771907	116
771908	166
771909	109
771910	109
771911	109
772712	109
772713	116
772714	166
772716	160
772717	160
772718	102A
772719	160
772720	102A
772721	102A
772722	102A
772723	102A
772724	102A
772725	102A
772727	102A
772728	102A
772729	102A
772732	158
772733	158
772736	102A
772737	102A
772738	107
772739	107
772740	110MP
772768	126A
779821	197
785278-01	109
785278-101	123A
785897-01	160
790017	123AP
793356-1	130
794192	74S133
800019-001	128
800020-001	7420
800021-001	7430
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972419	107
972420	107
972571-2	119
972571-3	119
972571-4	116
973935-20	116
973936-1	116
973936-2	116
973936-3	116
973936-4	116
973936-5	116
973936-6	116
973936-7	116
973936-8	116
973936-10	116
973936-11	116
973936-12	116
973936-13	116
973936-14	116
973936-15	116
973936-16	116
973936-17	116
973936-18	116
973936-20	125
973962-1	116
980052	105
980052A	105
980132	121
980134	121
980135	121
980136	100
980138	108
980139	108
980140	160
980142	160
980143	116
980144	102A
980146	160
980147	123A
980148	102A
980149	102A
980150	127
980153	102A
980155	121
980164	116
980316	100
980372	126A
980373	126A
980374	126A
980375	102A
980376	102A
980426	100
980432	100
980434	100
980435	160
980437	121
980438	100
980439	100
980440	123A
980441	160
980462	105
980462A	105
980463	105
980463A	105
980505	160
980506	160
980507	160
980508	102A
980509	160
980510	102A
980511	102A
980514	109
980514A	160
980540	116
980545A	160
980626	126A
980636A	160
980833	126A
980834	126A
980835	126A
980836	102A
980837	102A
980958	126A
980959	126A
980960	102A
980961	102A
980964	116
981143	160
981144	160
981145	160
981146	160
981147	102A
981148	102A
981149	102A
981150	109
981153	109
981203	160
981204	160
981206	102A
981207	109
981248	118
981249	119
981371	120
981445	116
981522	109
981672	102A
981673	102A
981674	102A
981675	102A
981676	109
981739	116
981952	116
981953	116
981954	116
981955	116
981956	116
981959	160
981969	105
981969A	105
982065	109
982150	126A
982151	102A
982152	102A
982214	116
982231	123A
982244	102A
982253	116
982254	139A
982267	126A
982268	108
982269	108
982270	110MP
982271	110MP
982275	109
982279	722
982283	102A
982284	102A
982285	102A
982289	126A
982290	109
982300	128
982321	108
982322	160
982361	113A
982374	160
982375	102A
982376	124
982377	116
982497	160
982510	123A
982511	123A
982512	123A
982523	175
982526	116
982528	124
982531	102A
982532	102A
982815	108
982816	108
982817	108
982818	108
982819	108
982820	102
982822	109
982823	116
983011	138A
983012	176
983036	121
983055	181
983095	108
983096	108
983097	123A
983099	109
983101	116
983233	107
983234	107
983235	107
983236	126A
983237	102A
983238	102A
983239	109
983271	126A
983272	126A
983405	102A
983406	102A
983407	102A
983408	102A
983409	102A
983411	102A
983413	116
983742	107
983743	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
983744	178MP
983795	121
983874	121
983945	105
983975	121
983995	118
984156	108
984158	108
984159	108
984160	102A
984161	158
984162	177
984163	109
984182	116
984183	116
984184	116
984189	116
984191	161
984192	161
984193	159
984194	108
984195	108
984196	128
984197	123A
984198	123A
984200	109
984221	102A
984222	123A
984224	123A
984226	109
984227	154
984228	102A
984229	128
984252	138A
984254	116
984259	130
984259A	130
984260	506
984261	121
984286	123A
984431	121
984521	131
984522	116
984577	108
984590	123A
984591	123A
984593	123A
984594	116
984608	124
984666	109
984685	126A
984686	123A
984687	123A
984688	103A + 158(CP)
984690	166
984713	116
984743	108
984744	108
984745	123A
984746	102
984794	156
984795	156
984851	108
984852	108
984853	108
984854	123A
984875	108
984876	107
984877	107
984878	107
984879	123A
984880	177
984881	110MP
984882	116
984932	124
985036	121
985096	108
985097	108
985098	123A
985099	123A
985100	123A
985101	123A
985102	123A
985103	131
985105	116
985106	177
985175	221
985215	108
985216	102A
985217	102
985218	116
985431	121
985432	105
985442	107
985442A	108
985443	121
985443A	108
985444	107
985444A	108
985445	126A
985445A	160
985446	126A
985446A	160
985447	121
985448	138A
985449	121
985453	121
985455	121
985468	102A
985468A	102A
985469	102A
985469A	102A
985470	158
985470A	102A
985471	158
985472	116
985543	123A
985609	102A
985610	102A
985611	126A
985619	107
985621	110MP
985686	121
985715	312
985735	103A
985735A	103A
985961	5022A
986015	106
986030	129
986302	102A
986305	158
986414	116
986542	123A
986543	158
986576	107
986578	135A
986634	108
986635	108
986636	123A
986693	107
986694	107
986766	102A
986779	158
986930	222
986931	129
986932	186
986933	187
986934	177
986935	116
987010	123A
987030	128
987040	76
988000	108
988001	108
988002	108
988003	123A
988005	158
988049	5809
988050	140A
988051	116
988080	121
988336	121
988413	121
988414	105
988468	121
988977	105
988985	108
988986	108
988987	108
988988	108
988989	108
988990	159
988991	123A
988992	193
988993	128
988994	109
988995	177
988996	177
988997	109
988998	109
989171	105
989387	121
989615	105
989692	105
989693	105
989709	909
991064	125
991129	125
991421	125
991422	125
991429	125
992052	123A
992059	123A
992066	199
992073	229
992080	229
992087	289A
992101	229
992108	229
992115	152
992129	123A
992143	109
992150	177
992157	116
992157-1	519
992164	601
992171	116
992178	140A
992234	7404
992241	7493A
992248	1100
992255	12445
992269	74145
992289	102
993111	139A
993570-4	129
993624-2	128
994634	108
995001	121
995002	102A
995003	102A
995014	121
995015	121
995016	123A
995017	123A
995030	124
995053-1	722
995081-1	713
995870-1	123A
995870-3	123A
995928 1	128
996746	123A
996817	152
998280-930	9930
998280-945	9945
998280-962	9962
999106-2	911
999106-3	911DS
1000100	7492
1000100-000	7492
1000101	7493A
1000101-000	7493A
1018715	124
1018734-001	124
1022612	123A
1043176-1	116
1043176-2	116
1043176-3	116
1043176-4	116
1043176-5	116
1045013	116
1045154-1	116
1045154-2	116
1045154-3	116
1045154-5	156
1045154-6	156
1045494-1	114
1061854-2	126A
1107832-6	115
1107832-7	113A
1107832-8	113A
1107832-9	113A
1107832-10	113A
1107832-11	113A
1107863-002	358
1107863-1	358
1107863-2	358
1107863-3	358
1114089T	399
1121008/7611	109
1127859	123A
1195397	178MP
1200101	109
1200201	116
1200401	519
1201001	167
1201101	3022
1201102	3024
1211016/7603/7608	102A
1211017/7603/7608	102A
1211018/7603/7608	102A
1213037	850§
1213037-1	850§
1213037-2	850§
1213037-3	850§
1221028	105
1221615	121
1221625	104
1221648	100
1221649	100
1221900	5072A
1221962	123A
1222123	123A
1222133	123A
1222136	160
1222314	160
1222371	160
1222424	123A
1222463	108
1223770	109
1223771	519
1223772	116
1223773	140A
1223781	108
1223782	123A
1223783	241
1223784	195A
1223785	195A
1223786	195A
1223909	1167
1223910	1155
1223911	107
1223912	123A
1223913	230
1223914	290A
1223915	229
1223916	123A
1223917	306
1223918	235
1223919	229
1223920	123A
1223921	199
1223922	123A
1223923	199
1223925	614
1224031	294
1224076	1192
1224077	107
1224078	295
1224079	297
1224081	290A
1224082	229
1224083	229
1224084	123A
1224085	199
1224086	199
1224087	199
1224275	1272
1224278	233
1224279	137A
1224970	5072A
1225220	1170
1261915-191	129
1261915-383	123A
1288055	128
1289050	130
1300101	128
1300201	129
1300301	183§
1300401	159
1301101	159
1301201	159
1301301	466
1301401	466
1301701	289A
1301801	199
1302201	159
1302301	459
1302401	326
1302601	196
1302801	159
1302901	123AP
1303256	156
1303601	210
1303701	211
1304201	184
1304301	258
1316147	159
1320135	123A
1320135A	123A
1320135BC	123A
1320135C	123A
1330021-0	904
1330021-1	904
1330131	519
1330133	519
1331409	2532
1347624L	837
1390655	506
1400401	902
1400501	912
1400601	4011B
1400701	1171
1400801	975
1400901	4024B
1401001	992
1401101	778A
1401301	923
1401401	975
1401701	7400
1401801	7402
1401901	7403
1402001	7405
1402101	7410
1402201	7412
1402301	7420
1402401	7454
1402501	7473
1402701	7493A
1402801	74121
1402901	74150
1403001	74174
1403201	9601
1403301	7474
1403401	7408
1403501	7432
1403601	74155
1403801	967
1403901	75451B
1404201	4007
1404301	4001B
1404401	4013B
1404501	4016B
1404601	4025B
1404701	4028B
1404801	4042B
1404901	4051B
1405101	4071B
1405201	4520B
1405301	4098B
1405401	834
1405601	74145
1405701	2042§
1405801	4069
1407205-1	121
1407206-1	121
1407401	960
1408615-1	229
1408640-1	108
1408649-1	108
1408694-1	222
1415721-001	116
1415721-1	558
1415721-35	506
1415742-5	797
1415762-1	230
1415762-2	231
1415778-1	56008
1415778-2	56008
1415779-1	5655
1415780-004	5351A
1415780-006	5351A
1415780-1	5351A
1415780-4	5351A
1415780-6	5351A
1415781-004	5424
1415781-2	5401
1417013-1	221
1417014-1	222
1417018-002	108
1417019-1	108
1417032-002	614
1417040-1	616
1417044-1	616
1417302-1	123AP
1417303	159
1417303-001	159
1417303-003	159
1417303-005	159
1417303-006	159
1417303-007	159
1417303-1	159
1417303-2	159
1417303-3	159
1417303-4	159
1417303-5	159
1417305-002	153
1417305-2	153
1417306-001	123AP
1417306-004	123AP
1417306-013	123AP
1417306-015	123AP
1417306-1	123AP
1417306-2	123AP
1417306-3	123AP
1417306-4	123AP
1417306-5	123AP
1417306-6	123AP
1417306-7	123A
1417306-8	123AP
1417306-9	123AP
1417306-11	123AP
1417306-13	123AP
1417308-1	199
1417308-2	199
1417309-004	123AP
1417309-005	123AP
1417309-2	123AP
1417309-3	123AP
1417309-4	123AP
1417309-5	123AP
1417312-1	123A
1417312-2	123A
1417316-1	188
1417317-1	189
1417318	194
1417318-002	194
1417318-007	123AP
1417318-1	194
1417318-2	194
1417318-7	123AP
1417320	162
1417320-1	162
1417321-002	123AP
1417321-003	287
1417321-004	287
1417321-1	194
1417321-2	123AP
1417322-1	175
1417325-001	123AP
1417325-1	123AP
1417325-3	123AP
1417327-2	123AP
1417330-001	159
1417330-010	159
1417330-015	159
1417330-1	159
1417330-2	159
1417330-3	159
1417330-4	159
1417330-5	159
1417330-6	159
1417330-9	159
1417330-10	159
1417330-11	159
1417330-12	159
1417331-1	196
1417333-1	123AP
1417334-1	123AP
1417335-001	165
1417335-1	165
1417338-5	128
1417338-6	128
1417338-7	128
1417339-003	159
1417339-006	159
1417339-007	159
1417339-1	159
1417339-3	159
1417339-6	159
1417340-2	123AP
1417342-1	123AP
1417343-1	123AP
1417343-2	123AP
1417343-3	123AP
1417344-001	194
1417344-003	194
1417344-005	123AP
1417344-1	194
1417344-2	194
1417344-3	194
1417344-5	123AP
1417345-2	128
1417346-001	47
1417346-003	123AP
1417346-004	123AP
1417346-1	47
1417346-3	123AP
1417346-4	123AP
1417347-002	159
1417347-004	159
1417347-1	159
1417347-3	159
1417347-4	159
1417349-002	123AP
1417349-003	123AP
1417349-2	123AP
1417352-005	188
1417352-006	210
1417352-007	188
1417352-5	188
1417352-6	210
1417353-5	189
1417353-7	189
1417356-2	162
1417357-1	191
1417358-1	152
1417359-1	153
1417360-001	229
1417360-003	229
1417360-1	108
1417360-3	229
1417361-1	191
1417362-003	171
1417362-006	171
1417362-007	171
1417362-1	171
1417362-2	171
1417362-4	171
1417362-5	171
1417362-6	171
1417363-1	159
1417364-001	196
1417364-1	196
1417366-001	165
1417366-1	165
1417367-1	395
1417368-1	222
1417368-4	222
1417369-1	222
1417369-2	222
1417370-1	165
1417372-1	222
1417373-1	159
1417373-2	159
1417374-2	123AP
1417374-3	123AP
1417374-4	123AP
1417375-6	172A
1417376-1	222
1417376-2	221
1417377-003	229
1417377-3	108
1417377-6	108
1417377-7	108
1417380-002	389
1417380-1	389
1417380-2	389
1417380-3	238
1417381-2	123AP
1417382-1	5400
1417392-001	108
1417392-002	108
1417392-1	108
1417398-002	49
1417398-1	49
1417398-2	49
1417398-5	152
1417399-005	152
1417399-006	375
1417399-007	152
1417399-008	152
1417399-4	152
1417399-5	152
1417399-6	375
1417399-8	152
1417400-001	123AP
1417400-1	123AP
1417401-001	159
1417401-1	159
1417402-1	159
1417403-001	238
1417403-1	238
1417405-002	2998
1417405-2	229
1417406-003	159
1417406-3	159
1417407-003	123AP
1417407-3	123AP
1417408-1	222
1417409-1	222
1417413-001	187
1417414-001	373
1417416-1	377
1417420-001	159
1417420-1	159
1417421-001	184
1417423-001	89
1417426-001	385
1417445-001	2302
1417445-1	2302
1417872-11	519
1417898-010	5021A
1420427-1	102A
1420427-2	102A
1420427-3	102A
1421207-1	178MP
1421713-2	851
1421716-002	850§
1421716-2	850§
1421719-001	2024
1421719-1	2024
1421733-001	4011B
1421734-001	4013B
1421754-001	987
1421754-003	987
1421754-3	987
1421756-001	1545
1421756-1	1545
1421763-2	923D
1421764-001	912
1421781-001	1739
1421803-001	4081B
1421826-001	4052B
1421826-1	4052B
1421837-001	1576
1421837-1	1576
1421855-1	1794
1421856-1	1795
1421885-001	1797
1421885-1	1797
1423316-1	229
1423391-1	108
1426478(WURLITZER)	778A
1431371	221
1438917-1	11756
1440977	804
1440977-1	177
1440990	120
1442415-2	112
1442415-3	112
1442415-4	112
1443024-1	123A
1443200-3	102A
1443223-1	614
1444875-1	142A
1445470-2	503
1445470-50	502
1445470-501	504
1445470-502	503
1445470-503	503
1445470-504	504
1445740-502	502
1445829-501	189
1445829-502	189
1445829-503	188
1445829-504	188
1446149-1	515
1446149-2	515
1449098-1	191
1451798-1	108
1462432-1	710
1462434-1	710
1462445-1	711
1462506-1	729
1462516	712
1462516-001	712
1462516-1	712
1462554	730
1462554-1	730
1462554-2	730
1462554-3	730
1462554-4	730
1462559-1	728
1462560	729
1462560-001	729
1462560-1	729
1462577	780
1463633-1	710
1463641-1	536A
1463641-2	536A
1463677-1	780
1463677-2	780
1463677-3	780
1463681-1	904
1463686-1	712
1464295-1	757§
1464295-2	763§
1464437-1	787
1464437-2	787
1464437-3	787
1464438-1	788
1464438-2	788
1464438-3	788
1464439-2	789
1464460-2	789
1464460-3	789
1464607-1	532
1464607-2	532
1464607-3	532
1464607-4	532
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1464607-6	532
1464607-7	531
1464607-8	531
1464607-9	533
1464607-10	533
1464607-11	533
1464607-11G	533
1464686-1	712
1464778-9	507
1464846-1	949
1464846-2	949
1464984-1	532
1464984-2	532
1465158-1	797
1465158-2	797
1465316-1	984
1465316-2	984
1465316-2A	984
1465345-1	1174
1465345-2	1174
1465560-1	1566
1465615-1	1176§
1465615-2	1176§
1465617-004	1175§
1465617-2	1175§
1465617-3A	1175§
1465617-4	1175§
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2006607-60	123A
2006607-61	195A
2006607-62	237
2006607-63	138A
2006613-77	123A
2006623-47	312
2006623-48	177
2006623-49	116
2006623-88	184
2006623-128	195A
2006623-145	123A
2006623-148	128
2006627-54	177
2006681-93	107
2006681-94	107
2006681-95	107
2006681-96	123A
2006681-120	158
2008292-56	107
2008292-87	126A
2008292-88	177
2008292-89	116(2)
2008293-111	158
2008299-1	107
2008300-105	1003
2008302-41	116
2010088-49	123A
2010499-52	123A
2010952-14	103A
2010957-49	116
2010967-83	177
2010967-84	136A
2013019-117	116
2014400	519
2041614	123A
2047102	102
2049612-03	6240
2056606-0701	159
2057013-0004	159
2057013-0007	159
2057013-0008	159
2057013-0012	159
2057013-0701	159
2057013-0702	159
2057013-0703	159
2057062-0702	116
2057199-070BA	130
2057199-0700	130
2057199-0701	130
2057199-701	130
2057323-0500	130
2057323-0501	130
2060041	116
2068491-704	221
2068510-0701	9936
2068510-0702	9946
2068510-0703	9962
2068510-0704	9093
2068510-0705	9099
2076393	126A
2076403	160
2076403-0703	160
2076945-0701	102A
2090056-1	104
2090056-5	104
2090056-27	104
2090924-0008	102A
2090924-008	102A
2090924-6	102A
2090924-8	102A
2090924-8A	102A
2090924B	102A
2091211-0014	100
2091217-0014	160
2091241-0005	160
2091241-005	126A
2091241-0013	100
2091241-0014	100
2091241-0015	100
2091241-0018	102A
2091241-0719	126A
2091241-1	100
2091241-2	100
2091241-3	100
2091241-4	100
2091241-5	126A
2091241-5A	126A
2091241-6	100
2091241-7	100
2091241-8	100
2091241-9	102A
2091241-10	100
2091241-11	100

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
2091241-12	100
2091241-13	100
2091241-13A	100
2091241-14	100
2091241-15	100
2091241-15A	100
2091247-005	160
2091260-1(NPN)	103A
2091260-1(PNP)	102A
2091260-2(NPN)	103A
2091260-2(PNP)	102A
2091260-3(PNP)	102A
2091260-3(NPN)	103A
2091578-0702	102A
2091578-1	102A
2091858-0712	121
2091858-11	121
2091859-0008	104
2091859-0011	121
2091859-0025	104
2091859-0711	108
2091859-0712	121
2091859-0713	121
2091859-0714	121
2091859-0715	121
2091859-0716	121
2091859-0717	121
2091859-0718	121
2091859-0720	104
2091859-0723	121
2091859-2	104
2091859-4	104
2091859-6	121
2091859-8	121
2091859-9	121
2091859-10	104
2091859-11	104
2091859-16	121
2091859-25	121
2091959-16	121
2092055-0001	109
2092055-0002	5072A
2092055-0007	110MP
2092055-0010	109
2092055-0016	136A
2092055-0017	5072A
2092055-0018	5071A
2092055-0024	5082A
2092055-0027	5072A
2092055-0708	112
2092055-0710	5071A
2092055-0712	5072A
2092055-0713	109
2092055-0714	123A
2092055-0714(Diode)	177
2092055-1	109
2092055-5	138A
2092055-7	109
2092417-005	160
2092417-0017	107
2092417-0018	107
2092417-0019	107
2092417-0704	160
2092417-0707	160
2092417-0708	160
2092417-0709	160
2092417-0710	160
2092417-0711	161
2092417-0712	161
2092417-0713	161
2092417-0714	161
2092417-0715	161
2092417-0716	161
2092417-0717	160
2092417-0719	123A
2092417-0720	123A
2092417-0721	123A
2092417-0724	123A
2092417-0725	123A
2092417-1	160
2092417-2	160
2092417-3	160
2092417-4	160
2092417-5	160
2092417-6	160
2092417-7	160
2092417-8	160
2092417-9	160
2092417-17	123A
2092417-18	123A
2092417-19	123A
2092418-0022	161
2092418-0023	161
2092418-0024	161
2092418-071	160
2092418-0710	160
2092418-0711	101
2092418-0712	160
2092418-0715	108
2092418-0716	161
2092418-0717	161
2092418-0718	161
2092418-0719	161
2092418-0720	161
2092418-0721	161
2092418-0724	108
2092418-1	160
2092418-2	160
2092418-5	160
2092418-6	160
2092418-7	160
2092418-8	160
2092418-10	160
2092418-11	160
2092605-0705	123A
2092608-22	123A
2092609	123A
2092609-0001	123A
2092609-0002	123A
2092609-001	123A
2092609-0022	123A
2092609-0023	123A
2092609-0024	123A
2092609-0025	159
2092609-0026	123A
2092609-0027	123A
2092609-0028	123A
2092609-0705	123A
2092609-0706	123A
2092609-0707	123A
2092609-0713	123A
2092609-0715	123A
2092609-0718	123A
2092609-0720	123A
2092609-0721	123A
2092609-1	123A
2092609-2	123A
2092609-3	123A
2092609-5	123A
2092693-0724	107
2092693-0725	107
2092693-0734	159
2092693-1	102A
2092693-2	160
2092693-3	160
2092693-4	160
2092693-8	102A
2092693-9	160
2093308-070	108
2093308-0700	108
2093308-0701	123A
2093308-0702	123A
2093308-0703	123A
2093308-0704	107
2093308-0704A	108
2093308-0705	107
2093308-0705A	108
2093308-0706	107
2093308-0706A	108
2093308-0708	123A
2093308-0725	107
2093308-1	108
2093308-2	108
2093308-3	108
2095083	109
2096700	129
2096700-TM18	129
2097013-0702	128
2125310	199
2132523-1	159
2132524-1	519
2132763-1	912
2160153	725
2182124-1	519
2185494-1	519
2185494-2	519
2200013	152
2200014	152
2200020	152
2200033	189
2200034	189
2200101	190
2200113	152
2200372	280
2200373	280
2200393	291
2200394	291
2200403	292
2200404	292
2200413	197
2200532	284
2200533	284
2200542	285
2200543	285
2200552	375
2200553	375
2200562	398
2200563	398
2200663	375
2200664	375
2200673	398
2200674	398
2200744	241
2200782	373
2200783	373
2200792	374
2200793	374
2200802	284
2200803	284
2200812	285
2200813	285
2200822	36
2200823	36
2200832	37
2200833	37
2200863	375◆
2200864	375◆
2200873	398◆
2200874	398◆
2200882	285◆
2200883	285◆
2200892	284◆
2200893	284◆
2201034	152
2201035	152
2201073	152
2201074	152
2201075	152
2206582-22	116(4)
2210014	152
2210045	199
2210046-1	199
2210064	289A
2210073	159
2210074	159
2210085	199
2210086	199
2210123	85
2210124	85
2210136	199
2210137	199
2210235	290A
2210244	289A
2210274	459
2210285	199
2210286	199
2210330	229
2210355	85
2210374	453
2210380	229
2210390	85
2210404	290A
2210416	234◆
2210665	234
2210666	234
2210670	199
2210671	289A
2210675	199
2210700	42
2210707	42
2210743	85
2210744	85
2210745	85
2210746	85
2210747	85
2210748	85
2210755	90
2210772	240
2210774	240
2210782	190
2210784	190
2210795	90
2210803	290A
2210823	85
2210834	290A
2210844	289A
2210853	374
2210863	373
2210864	373
2210882	107
2210901	289A
2210915	234
2210916	234
2210925	199
2210926	199
2210942	289A
2210943	289A
2210954	312
2210974	199
2210975	199
2211012	454§
2211036	199
2211063	297
2211064	297
2211085	91
2211140	43
2211163	289A
2211164	289A
2211182	85
2211183	85
2211184	85
2211192	85
2211207	91
2211217	90
2211235	222
2211254	85
2211255	85
2211256	85
2211267	383
2211303	459
2211342	85
2211395	290A
2211396	290A
2211405	90
2211406	90
2211414	289A
2211423	298
2211424	298
2211445	44
2211446	44
2211454	290A
2211455	290A
2211544	85
2211722	229
2211723	229
2211732	90
2211733	90
2211772	85
2211803	290A
2211815	459
2211845	229
2227367	176
2231031	109
2231154	5021A
2234494	9900
2234496	9914
2234497	9926
2237743	234
2243255-1	102A
2295361	9962
2302461-1	HiDiv-4
2311598	506
2314009	127
2316183	161
2320011	102A
2320022	123A
2320031	107
2320041	233
2320041H	161
2320042	85
2320043	107
2320051	154
2320051H	154
2320062	108
2320063	108
2320073	108
2320083	152
2320084	175
2320092	131
2320111	123A
2320123	123A
2320141	233
2320141H	161
2320143	107
2320154	100
2320161	159
2320161(RCA)	160
2320162	159
2320191	154
2320201	127
2320221	124
2320222	124
2320223	124
2320228	124
2320233	128
2320242	129
2320243	129
2320261	102A
2320271	162
2320273	162
2320281	164
2320291	165
2320299	165
2320302	102A
2320302H	102A
2320331	103A
2320413	123A
2320422	158
2320422-1	102A
2320423	102A
2320432	152
2320441	123A
2320471	319P
2320471-1	107
2320471(Last IF)	233
2320471H	107
2320482	152
2320482H	152
2320483	152
2320485	152
2320486	152
2320492	102A
2320512	100
2320513	102A
2320514	160
2320514-1	100
2320515	102A
2320541	292
2320563	107
2320591	85
2320591-1	123A
2320595	85
2320596	85
2320598	85
2320602	152
2320631	290A
2320632	290A
2320635	290A
2320637	290A
2320643	289A
2320644	289A
2320646	289A
2320646-1	128
2320647	289A
2320647-1	128
2320651	152
2320652	152
2320663	289A
2320664	196§
2320671	159
2320681	159
2320682	290A
2320696	123A
2320696-1	123A
2320833	127
2320843	373
2320846	184
2320853	185#
2320855	374
2320884	153
2320892	154
2320931	124
2320946	128
2320961	163A
2320963	165
2320981	107
2320994	124
2321001	124
2321095	198
2321101	154
2321111	288
2321112	288
2321121	283
2321211	198
2321221	376
2321241	283
2321264	5455
2321281	153
2321291	124
2321301	291
2321302	291
2321305	291
2321306	375
2321321	234
2321322	129
2321323	234
2321351	234
2321372	86
2321374	86
2321381	398
2321403	124
2321412	198
2321433	291
2321438	375
2321472	287
2321511	229
2321521	234
2321541	85
2321561	389
2321563	389
2321591	375
2321621	85
2321647	289A
2321652	280
2321693	375
2321699	375
2321732	196
2321751	234
2321763	292
2321764	153
2321791	375◆
2321803	459
2321831	85
2321871	382
2321881	293
2321882	293
2321891	294
2321893	294
2321982	293
2321984	293
2321991	399
2321992	399
2321993	399
2322163	5437
2322191	85
2322223	379
2322251	17
2322561	157
2322562	157
2322851	89
2322943	5457
2323021	89
2323102	199
2323112	375
2323114	375
2323123	291
2323343	16
2323351	17
2323352	19
2323352(BCE)	234
2323411	51
2323432	56
2323434	56
2323521	315
2323531	383
2323541	376
2323782	5404
2323931	375
2323941	398
2324082(DGS)	459
2324084(DGS)	459
2324292	377
2324322	399
2324411	2302
2324412	2302
2324414	2302
2324471	375◆
2326214	2327
2326216	373
2326218	373
2326611	157
2326661	157
2326953	123A
2326991	124
2327022	128
2327023	123A
2327031	116
2327041	116
2327052	130
2327053	130
2327061	124
2327071	142A
2327073	5081A
2327074	5022A
2327075	5084A
2327076	147A
2327077	5075A
2327078	5074A
2327122	123A
2327132	312
2327142	312
2327152	186
2327153	186
2327172	130
2327182	124
2327203	186
2327206	152
2327212	703
2327262	159
2327282	129
2327283	129
2327292	128
2327293	128
2327302(Hitachi)	703
2327312	1039
2327332	128
2327333	289A
2327363	123A
2327387	159
2327403	128
2327411	1041
2327422	720
2327431	222
2327433	454§
2327443	199
2327453	290A
2327501	2331
2327504	2331
2327505	2331
2327682(GSD)	451
2327732	5014A
2327751	2362
2327771	2361
2327773	2361
2327844	2324
2327893	91
2327907	91
2327913	90
2327923	90
2327931	5457
2328031	506
2328083	234
2328102	381
2328108	381
2328112	380§
2328118	380§
2328282	85
2328283	85
2328292	87
2328312	88
2328422	375
2328432	398
2328448	382
2328458	383
2328465	373
2328475	374
2328622	383
2328625	383
2328632	382
2328635	382
2328641	290A
2328642	290A
2328651	85
2328652	85
2328653	85
2328773	91
2328783	90
2328802	312
2328803	312
2328805	312
2328807	312
2328861	91
2328862	91
2328871	90
2328872	90
2328964	197
2328973	196
2328974	196
2329073	197
2329083	196
2329161	92
2329171	93
2329183	290A
2329193	152
2329323	85
2329333	107
2329453	85
2330011	166
2330011H	166
2330021	138A
2330032	505
2330033	503
2330034	504
2330101	506
2330191	506
2330192	506
2330201	116
2330211	506
2330235	554
2330241	142A
2330251	552
2330251(POWER)	156
2330251H	116
2330252	125
2330253	552
2330254	125
2330256	552
2330302	5071A
2330302H	138A
2330305	144A
2330307	5072A
2330332	156
2330351	519
2330352	519
2330353	519
2330354	125
2330356	506
2330361	166
2330362	116
2330381	504
2330533	552
2330551	552
2330553	558
2330561	116
2330562	552
2330564	558
2330596	289A
2330611	605A
2330612	116
2330631	5014A
2330632	5014A
2330633	5014A
2330634	5014A
2330643	5071A
2330721	116
2330743	139A
2330771	156
2330773	156
2330791	5071A
2330921	502
2331001	5011A
2331084	615A
2331121	506
2331141	506
2331142	116
2331152	142A
2331154	5021A
2331155	5021T1
2331161	5020A
2331164	5020A
2331165	5020A
2331171	5019A
2331172	5020A
2331173	5020A
2331174	5074A
2331201	116
2331351	519
2331381	551§
2331441	109
2331481	116
2331491	5009A
2331493	135A
2331495	5011A
2331497	5013A
2331502	125
2331541	5002A
2331546	5006A
2331581	5030A
2331582	5031A
2331775	5004A
2331781	5006A
2331782	5006A
2331785	5007A
2331797	5010T1
2331799	5010T1
2331801	5010T1
2331802	5011A
2331804	5011T1
2331805	5011T1
2331806	5012A
2331808	5012A
2331809	5013T1
2331814	5014A
2331815	5014A
2331816	5014A
2331817	5015A
2331819	5015A
2331821	5016A
2331823	5016A
2331827	5018A
2331829	5018A
2331831	5019T1
2331841	5021T1
2331842	5021A
2331843	5021A
2331844	5022A
2331845	143A
2331849	5023A
2331857	5006A
2331859	5008A
2331902	519
2331912	552
2331941	558
2331991	125
2332004	5037A
2332121	525
2332141	552
2332142	552
2332152	558
2332221	5011T1
2332242	558
2332251	552
2332431	3033
2332462	116
2332483	5002A
2332491	3166
2332492	3167
2332501	5037A
2332751	5014A
2332771	5021T1
2332781	5010A
2332791	5304
2332792	5305
2332794	5305◆
2332801	558
2332811	552
2332841	5020A
2332851	552
2333003	552
2333011	552
2333101	553
2333173	109
2333201	116
2333231	125
2333855	5031A
2334052	5002A
2334061	5004A
2334121	5010A
2334122	5010A
2334142	5013A
2334243	5025A
2334244	5025A
2334282	5031A
2334283	5030A
2334295	5033A
2334303	5035A
2334312	5036A
2334471	375◆
2334581	552
2334592	116
2334881	519
2335041	5030A
2335042	5030A
2335181	5029A
2335182	5028A
2335461	5031A
2335462	5081A
2335982	125
2335991	615A
2336291	552
2337011	177
2337063	5080A
2337065	5075A
2337071	116
2337101	142A
2337102	5022A
2337103	5021A
2337121	5011T1
2337122	5070A
2337151	519
2337184	5025A
2337185	5032A
2337186	5035A
2337187	5031A
2337188	5031A
2337292	5017A
2337341	5313
2337411	3022
2337431	5004A
2337461	5313
2337483	143A
2337502	3024
2337515	5011T1
2337519	5013T1
2337529	5018A
2337531	5023A
2337532	5024A
2337541	5014A
2337545	5014A
2337547	5015A
2337562	5021T1
2337564	5022A
2337565	5022A
2337568	5023A
2337584	5009A
2337587	5010T1
2337601	519
2337615	5004A
2337641	177
2337751	3022
2337752	3022
2337761	116
2337762	116
2337778	140A
2337783	142A
2337787	145A
2337811	3024
2337812	3024
2337893	5079A
2337896	5074A
2337921	109
2337922	109
2337932	109
2338003	137A
2338014	519
2338031	598#
2338161	552
2338162	552
2338211	116
2338321	519
2338371	5030A
2338531	558
2338561	5015A
2338630	5024A
2338653	5033A
2338721	5332
2338871	580
2338881	177
2338902	552
2338941	597#
2338971	506
2339011	5010T1
2339142	5021T1
2339203	5030A
2339211	5031A
2339222	5033A

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
2339223	5033A
2339251	5037A
2339252	5037A
2339491	116
2339991	5004A
2340283	600
2340331	605A
2340332	605A
2347021	116
2347041	600
2347141	605A
2360021	1061
2360042	712
2360042(Hitachi)	712
2360092	712
2360141	1004
2360151	1213§
2360171	1004
2360201	712
2360221	1094
2360231	1121
2360271	1258§
2360281	1251§
2360291	1257
2360361	1004
2360391	712
2360401	1004
2360431	1196
2360441	1196
2360491	712
2360501	712
2360511	1004
2360561	74107
2360631	1213§
2360691	1550
2360741	7400
2360751	74S194
2360782	1469
2360851	4011B
2360924-5601	123A
2360951	74LS04
2361251	7406
2361291	1758
2361301	1759
2361361	4069
2361461	966
2361472	1522
2361571	289A
2361572	1473
2362051	74LS08
2362301	74LS32
2362541	1593
2362605	778A
2362621	4011B
2363191	4066B
2363261	1473
2363741	4069
2364081	1409
2364131	1546
2364181	1471
2364401	966
2364502	4042B
2365021	1668
2365061	1650
2365062	1650
2365411	834
2365452	943M
2366151	1653
2366201	1743
2366392	1780
2366591	1232
2366621	1658
2366631	1682
2366721	1678
2367152	1480
2367191	1040
2367271	1484
2367281	1486
2367391	1510
2367451	4011B
2367691	4001B
2367831	4081B
2367901	1512
2367941	7407
2367991	1534
2368011	1499
2368031	1331
2368041	778A
2368051	1333
2368152	964
2368162	1659
2368211	1729
2368261	1087
2368282	1656◆
2368501	1676
2368721	1082
2368761	2077
2368791	4028B
2368801	4035B
2368841	1331
2368851	1559
2368861	1060
2368913	3098
2368971	1218
2370873	1742
2390022	5404
2391342	910
2391773	909
2392152	941M
2396475	923
2402277	804
2412275	804
2412949-0001	129
2469749	123A
2469755	123A
2469936-1	128
2479692	123A
2479836	123A
2485076-2	128
2485076-3	128
2485077-2	128
2485077-3	128
2485078-1	123A
2485078-2	123A
2485078-3	123A
2485079-1	123A
2485079-2	123A
2485079-3	123A
2485080	177
2485080(Diode)	109
2486836	116
2487305	177
2487340	159
2487341	159
2487424(NPN)	192§
2487424(PNP)	159
2495012	126A
2495013	126A
2495014	102A
2495078	160
2495079	160
2495080	102A
2495082	160
2495083	110MP
2495083-0	109
2495083-2	109
2495084	109
2495166-1	108
2495166-2	123A
2495166-4	123A
2495166-8	123A
2495166-9	123A
2495200	126A
2495376	160
2495377	160
2495378	126A
2495379	126A
2495380	109
2495383	109
2495388	102A
2495388-1	102A
2495388-2	102A
2495488-1	126A
2495488-2	126A
2495520	161
2495521	161
2495521-1	123A
2495522-1	161
2495522-4	123A
2495523-1	161
2495529(Diode)	109
2495529(Arvin)	128
2495567-2	102A
2495567-3	102A
2495568	158
2495568-2	102A
2496125-2	123A
2496436	109
2497094-1	161
2497094-2	161
2497473	102A
2497473-1	102A
2497496	102A
2497888	158
2498163	128
2498456-2	107
2498457-2	123A
2498482-2	107
2498507-1	108
2498507-2	108
2498507-3	108
2498508-2	107
2498508-3	107
2498512	159
2498513	116
2498530	109
2498665-1	199
2498665-2	199
2498665-3	199
2498837	160
2498837-4	102A
2498902-1	107
2498902-2	107
2498903-1	107
2498903-3	107
2498904-3	123A
2498904-4	123A
2498904-6	123A
2499950	199
2500389-432	9932
2500389-444	9944
2500390-435	9935
2500390-436	9936
2500390-437	9937
2500390-446	9946
2500390-449	9949
2500390-461	9961
2500390-462	9962
2500391-445	9945
2500747	9932
2501337-433	9933
2501549-341	703
2501557-430	9930
2501557-436	9936
2501557-437	9937
2501557-446	9946
2501557-449	9949
2501557-461	9961
2501557-462	9962
2503134-105	159
2505207	199
2505209	123A
2509319	124
2520063	123A
2521108-1	159
2530733	123A
2545989-2	128
2546059	519
2546220-1	910
2552007	156
2552865-1	536A
2596071	108
2604688-3	909
2605022	128
2608169-1	128
2610023-01	910
2610023-02	910D
2610032	177
2610043-03	941M
2610153	725
2610154-01	923
2610783	7402
2610784	7496
2610786	7400
2610788	74121
2621499-1	177
2621567-1	123A
2621570	159
2621764	123A
2621786-1	519
2621811	106
2622284	123
2635012	177
2640830-1	123
2640843-1	123A
2652613	9944
2652614	9945
2656211-1	9930
2656212	9946
2656212-1	9946
2656213	9944
2656213-1	9944
2656214	9945
2656214-1	9945
2656747	9944
2656748	9946
2666293	7482
2666294-1	7483
2666307-1	128
2709759	309K
2710002	941
2712080	123A
2729789	176
2760438-1	177
2777301	128
2780312	358
2797658-616030A	941
2808577	9932
2811550-1	851
2811925-001	156
2811925-002	552
2811975-001	454§
2811975-1	454§
2812833-001	618
2812833-1	616
2812851-001	125
2812851-1	125
2812851-2	125
2814681-001	222
2814682-001	222
2815513-001	222
2815555-001	616
2816796-100	844
2820545-002	580
2821570-100	868
2840088-001	112
2840088-1	112
2855296-01	102A
2865101	192§
2865141	519
2868536-1	7474
2870406-1	614
2870486-002	5141A
2870486-1	5140A
2871185-1	112
2871628-001	610
2875493	152
2887425RB	311
2898431-2	9946
2899000-00	9946
2899001-00	9962
2899002-00	9930
2899003-00	9936
2899004-00	9945
2899018	911
2899414	9230
2902798-2	915
2903993-1	159
2903993-i	159
2904014	121
2910012	1771
2910021	1773
2911481	1744
2911501	1217
2912175	1778
2912177	1777
2912178	1778
2912561	1798
2913891	3041
2913981	1782
2914931	1860
2914941	1859
2914961	7007
2915192	7008
2916681	1767
2917361	1767
2917601	1799
2917611	1781
2917803	1778◆
2928054-1	128
2970038H05	100
3004856	102A
3005300	5882
3005861	123A
3006206-00	784
3006892-00	910
3006892-01	910D
3007359-00	9937
3007359-01	9949
3007359-02	9963
3007359-03	9932
3007472-00	9945
3007473-00	9932
3007473-01	9932
3007474-00	9930
3007474-01	9930
3007475-00	9962
3007475-01	9962
3007476-00	9946
3007476-01	9946
3007477-00	9936
3007477-01	9936
3007572-00	9933
3007573-00	9093
3007579	912
3007579-00	912
3007604-00	9135
3007680-00	941
3007680-01	941D
3008321-00	309K
3008340	923D
3020111	107
3034725-1	903
3068305-2	123A
3100001	923D
3100002	992
3100004	960
3102006	74LS00
3102007	74LS02
3102008	74LS04
3102009	74LS05
3102010	74LS11
3102011	74LS20
3102013	74LS30
3102014	74LS32
3102015	74LS74A
3102016	74LS92
3102017	74LS93
3102018	74LS132
3102019	74LS153
3102020	74LS157
3102021	74LS166
3102022	74LS174
3102023	74LS175
3102024	74LS367
3102025	74LS368
3102026	74C00
3102027	74C04
3102028	74LS156
3106002	75452B
3108002	2102
3108003	2117
3108009	2117
3110001	3880
3110883-P01	177
3130006	121
3130011	102
3130025	102
3130053	128
3130057	175
3130058	130
3130060	102
3130090	181
3130091	130
3130092	128
3130093	175
3130104	181
3130109	121
3146977	130
3146977A	130
3152159	175
3152170	130
3152170A	130
3160000-00-08A	519
3170717	154
3170757	154
3172626	9933
3172627-2	9949
3172629-1	9930
3172629-2	9961
3172630	9944
3172631	9948
3172632-1	9962
3172638	9950
3176135-1	9936
3176135-2	9937
3177200	9932
3180006	519
3181947	6094
3181972	108
3195638	177
3201104-10	123A
3234691(LRB)	367
3235900	2061§
3236824	2060
3263029-10	519
3265869	2708
3265889	2716
3267390-01	74H40
3311133	519
3403787	123A
3403866-3	128
3404114-1	102
3404114-2	102
3404520-81	126A
3404520-301	128
3404520-601	221
3405081-0017	519
3406519-31	726
3406519-31(RCA)	726
3412004-1912	312
3412907-1	128
3412951	904
3412986-1	903
3430063	116
3430063-1	5804
3430063-i	5804
3438035	152
3438854	163A
3438867	152
3450842-10	154
3450842-20	154
3450842-30	154
3457107-1	123A
3457632-5	123A
3457633-1	128
3457633-2	128
3457697-1	726
3457845-1	346
3457846	357
3457846-1	347
3457846-2	348
3457847-1	349
3457847-2	351
3457847-3	351
3457847-4	350
3457847-6	351
3457936-1	234
3457964-1	350
3457964-2	350
3457964-3	350
3457964-4	350
3458267-1	128
3458573-1	192§
3459332-1	161
3460550-1	160
3460550-3	160
3460550-4	160
3460553-2	121
3460553-4	121
3460679-1	102A
3460758-2	5801
3462221-1	121
3462306-1	121
3463098-1	5870
3463098-2	5871
3463099-1	128
3463100-1	175
3463101-1	130
3463604-1	175
3463604-2	175
3463609-2	161
3464482-1	102A
3464611	519
3464648-1	390
3464648-2	390
3468068-1	161
3468068-2	161
3468068-3	161
3468068-4	161
3468071-1	175
3468182-1	123A
3468182-2	123A
3468183-1	159
3468242-1	159
3468242-2	123A
3468841-1	175
3520025-001	9936
3520041-001	7400
3520042-001	7410
3520043-001	7473
3520044-001	7440
3520045-001	7451
3520046-001	7474
3520047-001	7430
3520048-001	7404
3520050-001	7472
3539307-001	161
3539307-002	161
3596061	177
3596062	109
3596063	159
3596067	108
3596068	108
3596069	108
3596070	108
3596071	108
3596072	108
3596091	196
3596092	196
3596100	197
3596101	197
3596116	123AP
3596117	123A
3596118	159
3596260	108
3596261	108
3596338	123A
3596339	123AP
3596340	129
3596341	129
3596353	736
3596354	723
3596398	5071A
3596401	222
3596402	222
3596435	614
3596440	107
3596446	152
3596447	152
3596448	152
3596451	153
3596452	153
3596453	153
3596453(Zener)	151A
3596454	153
3596454(Zener)	151A
3596559	177
3596570	123A
3596808	726
3596809	789
3596810	788
3597049	1115
3597103	108
3597104	108
3597114	107
3597260	108
3597261	108
3597280	1115
3597729	75491B
3598173	1115
3598445	1232
3598520	1232
3600680	1394
3600836	960
3610001-001	OBS-NLA
3610003	9914
3610005	9900
3650238A	159
3670724H	123A
3671857E	124
3673351K	289A
3673354G	289A
3680322-3	5992
3700072	123A
3700085	121
3700109	123A
3700135	130
3700144	159
3700162	128
3700163	129
3700164	130
3700171	123A
3700219	130
3700228	130
3700249	159
3700258	129
3700279	123A
3720923-1	320
3720923-2	320
3720923-3	320
3720923-4	320
3720968-1	923
3723012	367
3723103	367
3726117-1	278
3727104-1	352
3727796-1	477
3728256-1	338F
3728257-1	317
3731132-1	123A
3731133-1	159
3731313-1	121
3731418-1	129
3731418-2	128
3731418-3	129
3731418-4	129
3755171	152
3755862	199
3755864	177
3939307-002	161
4000022	605A
4000031	601
4000921	199
4002862-0001	123A
4010577-0701	519
4013373-0701	9974§
4017621-0701	123A
4028839	161
4031986-0701	159
4032122	716§
4036392-P2	140A
4036598-P1	121
4036598-P2	102A
4036612-P1	100
4036612-P2	100
4036707-P1	100
4036707-P2	100
4036715-P1	160
4036715-P2	160
4036733-P1	121
4036749-P1	101
4036749-P2	101
4036754-P1	103
4036754-P2	103
4036831-P1	105
4036832-P1	105
4036887P1	5000A
4036887P3	5007A
4036887P7	5018A
4036887-P8	123A
4036887P8	5020A
4036887P9	5017A
4036887P16	5028A
4036887P40	5016A
4036887P56	5010A
4036923-P1	160
4036923-P2	160
4036924-P1	123A
4036924-P2	123A
4036937-P1	100
4036937-P2	100
4036962-P1	160
4036962-P2	160
4036963-P1	160
4036963-P2	160
4036965-P1	160
4036965-P2	160
4037145-P1	102A
4037145-P2	102A
4037289-P1	101
4037289-P2	101
4037325-P1	116
4037410-P1	160
4037410-P2	160
4037413-P1	137A
4037586-P1	123A
4037586-P2	123A
4037594-P1	121
4037607-P1	121
4037647-P1	186
4037647-P2	186
4037764-P1	160
4037764-P2	160
4037800-P1	123A
4037800-P2	123A
4037804-P1	102A
4037804-P2	102A
4037822P1	116
4037822P2	116
4037822P7	125
4037839-P1	101
4037839-P2	101
4037993-P1	100
4037993-P2	100
4038256-P1	103A
4038256-P2	103A
4038260-P1	100
4038260-P2	100
4038264-P1	101
4038264-P2	101
4038359-P1	160
4038359-P2	160
4038406-P1	160
4038406-P2	160
4080187-0502	152
4080187-0504	130
4080187-0506	196
4080187-0507	196
4080320-050B	130
4080320-0501	130
4080320-0504	130
4080627-0501	175
4080835-0002	196
4080838-0001	175
4080838-0002	175
4080838-002	196
4080838-2	175
4080838-3	175
4080866-0001(Metal)	130
4080866-0002(Metal)	130
4080866-0006(Metal)	130
4080866-0006(Plastic)	152
4080866-0007	175
4080866-000A	130
4080866-003	152
4080866-006	152
4080866-009	152
4080866-0012	196
4080866-0013	152
4080866-1	175
4080866-2	175
4080866-4	152
4080866-8006	130
4080873-0001	184
4080879-0001	152
4080879-0006	196
4080879-0011	196
4080879-0015	175
4082501-0001	104MP
4082501-0001A	121
4082501-001	104
4082626-0001	912
4082664-0001	726
4082665-0001	723
4082665-0002	723
4082665-0003	723
4082665-1	723
4082665-2	723
4082665-3	723
4082671-0002	172A
4082748-0002	136A
4082799-0001	789
4082799-0002	789
4082799-1	789
4082799-2	789
4082802-0001	781§
4082802-0002	781§
4082802-1	781§
4082802-2	781§
4082873-0001	197
4082886-0002	184
4082886-001	130
4082886-002	130
4082886-3	130
4084114-0001	222
4084114-0002	222
4084117-0001	949
4084117-0002	949
4089549-0001	949
4089549-001	949
4090187-0502	130MP
4101685	116
4230880	1803
4233315	1851
4233315A	1851
4234547(Chrysler)	1802
4350052-1	703
4361620	130
4391879(Chrysler)	7050
4392331(Chrysler)	7072
4393273	1802
4420022-P1	5995
4420022-P2	5995
4450023	130
4450023-007	130
4450023-P3	130
4450023-P4	130
4450023P5	130
4450023-P6	130
4450026-P5	128
4450028-P1	5547
4450028-P2	5547
4450028P4	5547
4450040P1	390
4450300-1	5675
4450300P2	5626§
4450300P3	5626§
4450303-001	5642
4450303-002	5642
4511424	7432
4550106-001	152
4550106-003	152
4613443	1095
4663001A905	7474
4663001A909	7404
4663001A911	7440
4663001A912	7410
4663001A915	7430
4663001D907	7400
4800002	519
4800021	137A
4800022	5010A
4800023	167
4800026	5046A
4800037	142A
4800045	479
4800061	338F
4800062	333
4804427	346
4806080	348
4806082	351
4806087	350
4806088	320
4806095	354
4813466	123A
4820004	291
4822001	123AP
4822003	159
4822354	130
4822354J	130
4824002	153
4824003	219
4832800	181
4865837A02	109
4882238F01	116
4890210A03	377
4890210A05	5004A
4890210A06	519
4890210A10	2303
4890210A12	5020A
4890210A13	5006A
4890210A14	399
4890210A16	12
4890210A19	552
4890210A20	116
4890210A21	5010A
4890210A23	5020A
4890210A24	5019T1
4890210A25	519
4890210A26	519
4890210A28	5014A
4890210A30	5020A
4890210A31	377#
4890210A32	5013A
4890210A53	290A
4890210A55	552
4890210A56	585
4890210A57	5010T1
4890210A59	5019T1
4890210A68	590
4890210A69	591
4890210A76	5013T1
4890223A02	289A
4890223A03	5012A
4890223A09	13

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
4890223A61	377
4890223A62	261#
4890223A63	89
4890223A64	552
4890223A65	552
4890223A66	5037A
4890223A67	5012A
4890223A68	5424#
4890223A88	140A
4890223A89	116
4890223A90	5019T1
4890223A92	125
4890223A93	2302
4890223A94	19
4890223A95	16
4890223A95(BCE)	85
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7070692	116
7071021	123A
7071031	123A
7090612	519
7100460	109
7100628	116
7100630	116
7110633	5029A
7110743	5036A
7116060	110MP
7117005	5019T1
7117215	5021A
7121105-01	123A
7129386-P2	109
7141123-1	177
7150041	177
7200953	116
7201090	5072A
7201212	5809
7202782	5072A
7210027-003	102
7210036-001	102
7269847	103A
7272143	5093A
7274653	121
7276211	100
7276605	105
7277066	103A
7278421	100
7278422	102A
7278423	102A
7279003	105
7279005	105
7279007	105
7279009	105
7279011	105
7279013	105
7279017	105
7279025	105
7279027	105
7279033	105
7279039	104
7279049	104
7279069	179
7279073	105
7279076	105
7279281	176
7279293	105
7279298	105
7279379	100
7279497	116
7279566	105
7279779	126A
7279779(G.M.)	123A
7279780	160
7279781	160
7279782	100
7279788	100
7279789	100
7279793	105
7279893	109
7279940	100
7279941	102A
7280281	105
7281307	100
7281308	100
7281309	100
7281310	102A
7281806	128
7281891	100
7282315	105
7282356	109
7283377	110MP
7284137	123A
7284513	160
7284751	102A
7285354	5982
7285663	121
7285774	104
7285776	121
7285778	104
7286858	123A
7287079	5072A
7287107	179
7287110	121
7287112	179
7287117	179
7287452	123A
7287940	126A
7288072	105
7288073	105
7288076	105
7288079	105
7289041	121
7289047	104
7289097	179
7290593	121
7290594	104
7291252	104
7292308	160
7292683	179
7292684	127
7292689	179
7292690	121
7292955	121
7292956	330
7293818	162
7293819	162
7294133	102A
7294796	121
7294910	161
7295195	108
7295196	108
7295197	123A
7296314	123A
7296476	5072A
7296811	123A
7297043	104
7297053	123A
7297054	123A
7297092	104
7297093	104
7297258	5072A
7297347	179
7297348	127
7297980	161
7298079	121
7299325	116
7299720	105
7299771	121MP
7299780	179
7299803	121MP
7301660	179
7301661	179
7301664	162
7301665	162
7301666	162
7302024	159
7302340	5809
7302699	162
7303105	102A
7303120	123A
7303304	162
7304149	163A
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7304971	5414
7305468	107
7305469	5072A
7305476	726
7306982	130
7309160	130
7311074	128
7311325	709
7311350	128
7312294	718
7313063	162
7313568	721
7314584	123A
7397027	703
7492377-5	142A
7492377-P1	135A
7492377-P10	135A
7502601(MCP)	290AMCP
7528046-P4	9932
7528048-P4	9946
7528153-P4	9948
7528156P1	910
7528156-P3	9910§
7528157P1	909
7528158-P4	9910§
7528159-P4	9944
7528160-P4	9951
7528374P3	9951
7568476	552
7568752	116
7570003	121
7570003-01	121
7570004	123A
7570004-01	123A
7570005	123A
7570005-01	123A
7570005-02	123A
7570005-03	123A
7570008	123A
7570008-01	123A
7570008-02	123A
7570009	128
7570009-01	123A
7570009-21	123A
7570011-01	125
7570011-02	125
7570013	159
7570013-01	159
7570014	5802
7570014-02	109
7570014-05	116
7570015-34	116
7570016	109
7570016-02	109
7570016-03	109
7570021-12	146A
7570021-21	146A
7570022-01	175
7570024-02	116
7570030-01	185
7570031-01	152
7570032-01	129
7570215-21	177
7570215-24	116
7570215-34	116
7571329-01	166
7576004-01	159
7576015-01	123A
7576015-02	199
7576015-03	199
7576015-04	199
7576015-05	199
7576016-01	128
7601010	128
7660043	177
7739393	725
7773096	1170
7773115	1278
7773133	1104
7773150	801
7775159	199
7775177	519
7775205	85
7775511	285
7775547	109
7777146-P2	109
7777146-P3	109
7777146-P4	109
7777146-P23	109
7840540-1	123A
7851316-01	102A
7851317-01	102A
7851318-01	103A
7851319-01	103A
7851320-01	158
7851321-01	103A
7851322-01	104
7851323	160
7851324-01	123A
7851325	123A
7851326	123A
7851327	123A
7851328-01	169
7851329-01	166
7851379-01	123A
7851380-01	123A
7851441-01	116
7851442-01	5069A
7851467-01	103A
7851650-01	161
7851651-01	161
7851652-01	159
7851654-01	109
7851655-01	109
7851657-01	116
7851947-01	109
7851949-01	123A
7851950-01	123A
7851952-01	123A
7851953-01	123A
7851954-01	159
7851955-01	131 + 155(CP)
7851956-01	128
7852223-01	109
7852223-01A	109
7852264-01	116
7852438-01	109
7852439-01	116(2)
7852452-01	199
7852454	123A
7852454-01	123A
7852455-01	123A
7852457-01	289A
7852459-01	123A
7852460-01	175
7852577-01	166
7852775-01	102A
7852776-01	102A
7852778-01	102A
7852779-01	102A
7852781-01	123A
7852782-01	109
7852897-01	160
7852899-01	126A
7852900-01	160
7852902-01	109
7852904-01	135A
7852907-01	116
7853090-01	312
7853091-01	229
7853092-01	123A
7853093-01	229
7853094-01	123A
7853098-01	109
7853099-01	166
7853351-01	102A
7853352-01	102A
7853354-01	102A
7853356-01	102A
7853357-01	109
7853358-01	116
7853463-01	123A
7853464-01	123A
7853465-01	123A
7855282	109
7855282-01	109
7855283-01	177
7855283-01(Ampex)	102A
7855284-01	116
7855291-01	123A
7855292-01	123A
7855293-01	123A
7855294-01	123A
7855295-01	131
7855296-01	102A
7855297-01	102A
7855298-01	152
7855352-01	109
7855357-01	109
7895987	788
7896108	983
7896605	806
7898489	744
7899744	744
7902310	128
7910070-01	102A
7910071-01	102A
7910072-01	121
7910073-01	184
7910076-01	116
7910108-01	161
7910111-01	5072A
7910112	1003
7910112-01	1003
7910122-01	1003
7910134-01	312
7910584-01	123A
7910585-01	123A
7910586-01	123A
7910587-01	123A
7910588-01	102A
7910589-01	102A
7910780-01	108
7910781-01	107
7910783-01	126A
7910801-01	102A
7910803-01	158
7910804-01	123A
7910805-01	116
7910872-01	116
7910873-01	116
7913605	162
7914009-01	107
7914010-01	107
7914011-01	116
7914014-01	177
7932367	719
7932515	159
7932638	177
7932980	709
7935181	744
7936256	123A
7936331	123A
7937586	130
7937762	721
7938318	312
7939165	161
7939186	159
8000016	7416
8000017	7417
8000736	128
8000737	128
8002494B	5483§
8002866	175
8004265	128
8010490	126A
8010520	100
8010530	126A
8014711	160
8014712	100
8015613	129
8020244	74LS244
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8020245(IC)	74LS245
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8020324	102A
8020333	102A
8020334	102A
8020373	74LS373
8020540	102A
8020560	102A
8021897	102A
8021898	102A
8022630	102A
8022631	102A
8023643	102A
8023892	102A
8024152	158
8024250	127
8024390	160
8024390(AIWA)	102A
8024400	102A
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8031825	108
8031836	108
8031837	107
8031839	123A
8033690	123A
8033696	123A
8033720	123A
8033730	123A
8033803	108
8033804	108
8033943	108
8033944	123A
8034903	152
8036683	107
8037330	123A
8037332	123A
8037333	123A
8037343	128
8037353	123A
8037722	107
8037723	108
8041016	2117
8041016A	2117
8050339	834
8050358	928M
8050386	823
8051060	109
8052192	5071A
8052446	109
8052805	977
8100906	159
8110014	312
8110904	123AP
8111227	159
8111230	159
8112023	102A
8112027	102A
8112028	102A
8112071	102A
8112090	102A
8112143	131
8112146	102A
8112161	102A
8112162	102A
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8113034	123A
8113051	123A
8113052	123A
8113060	123A
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8113134	123A
8113323	199
8113327	199
8114024	192§
8114031	123A
8114057	297
8115009	159
8120037	116
8120067	116
8120069	139A
8120126	519
8120133	116
8120164	601
8121002	109
8121014	109
8130014	177
8131010	177
8150148	519
8150235	5014A
8190005	961
8249600	161
8378759	128
8398315	128
8421133	128
8484771-1	5870
8484771-3	5874
8484771-7	5874
8484771-8	5875
8484771-10	5879
8505214-1	177
8505870-1	9910§
8507465-1	726
8508309	129
8508331	784
8508331RB	903
8508403-1	784
8510671-1	160
8510671-2	160
8510671-4	160
8510694-1	130
8510744-1	101
8510747-4	126A
8511632-5	519
8511724-3	176
8511724-4	176
8511759-1	160
8512001-2	101
8513070-1	519
8516861-1	102
8516986	102
8516986-1	102
8516986-2	102
8518237-1	5870
8518237-2	5874
8518237-3	5874
8518237-9	5875
8518237-10	5875
8518382-1	5980
8518382-2	5982
8518382-3	5986
8518382-9	5983
8518382-10	5987
8518383-10	5862
8518383P1	5940
8518383P2	5944
8518383P3	5944
8519510-2	506
8521502-1	101
8521502-2	101
8521502-4	101
8521587-1	116
8521587-101	5802
8521587-102	5804
8521692-1	5483§
8522468-1	123A
8523209-1	519
8524402-1	101
8524402-4	101
8524440-2	102
8524457	128
8526849-1	100
8532787-2	519
8532787-3	519
8532787-4	519
8533519-1	519
8533588-1	908
8538640	160
8549020-1	519
8556188	108
8722248-2	199
8820359	1003
8821008	1217
8821081	1052
8821267	1160
8898302	744
8945077-12	102
8975103-2	101
8975158-1	102A
8981399-1	116
8981399-2	116
8989441-2	160
8989457-1	126A
8992306	123A
9000630	181
9000940	159
9001225-02	910D
9001324	152
9001345-02	7493A
9001346	7411
9001349-02	7486
9001349-03	7486
9001549-02	7440
9001551-02	7404
9001551-03	7404
9001567	9157
9001567-02	9157
9001570-02	7403
9001630	123A
9001638	159
9001756	152
9001757	153
9002097-03	74107
9002159	123A
9003091-02	7410
9003091-03	7410
9003096-02	7450
9003096-03	7450
9003097-02	74107
9003148	9930
9003148-01	9930
9003148-02	9930
9003149	9946
9003149-02	9946
9003150	9962
9003150-02	9962
9003150-03	9962
9003151	7400
9003151-03	7400
9003152	7474
9003152-01	7474
9003234-04	7438
9003398-03	7408
9003398-04	7408
9003420-03	7496
9003445-03	7492
9003642-03	7430
9003911	9932
9003911-01	9932
9003911-03	9932
9004017-01	219
9004075-03	7401
9004076	7420
9004076-03	7420
9004076-04	7420
9004093-03	7473
9004300-03	7476§
9004360-03	7454
9004508-01	159
9004896-04	7453
9004898-04	7411
9004915-04	912
9006527-01	219
9007038	159
9008964-01	123A
9100502	102A
9100621	102A
9100706	102A
9100944	102A
9101600	915
9176494	123A
9246053	116
9246055	116
9248015	116
9248055	116
9248058	116
9340311	130
9340311-D5514	130
9340388	159
9340426A	709
9340924	743
9341238	737§
9341510	152
9341767	159
9341834	129
9341899	744
9342291	159
9342699	719
9343650	805
9345349	385
9347173	743
9524101	294
9528353	5018A
9528394	290A
9528452	109
9528467	5019A
9528473	85
9528525	519
9528624	290A
9528628	85
9528638	5072A
9528639	5017A
9528640	85
9528644	455
9528645	229
9528654	159
9528658	85
9528673	85
9528677	172A
9528711	612
9528716	382
9528717	519
9528722	5010A
9533315	1217
9533334	1285§
9533335	1286
9533336	1170
9533354	1234
9533385	1370
9533423	1495
9533424	788
9739636-20	116
10000020	123A
10015595	123A
10017663	102
10022104-101	123A
10027973-101	107
10041264-101	519
10041265-101	177
10106058	123A
10112562	159
10112563	9900
10176209	9914
10180316	177
10180722	123A
10182330	159
10183001	199
10541284	9910§
10541285	9931
10545502	123A
10545506	199
10641140	159
10644417	175
10644433	123A
10646032	130
10653086	175
10658276	9930
10658278	9936
10658279	9944
10658280	9945
10658281	9946
10658282	9951
10669652	519
10669666	159
10670399	159
10674068	5642
10676144	519
10713642	130
10805364	130
10814788	128
10849792	123A
10896074	123A
11018181	124
11019072	5527
11041003-1	181
11056225	290A
11069934A	130
11076437	159
11083979	519
11103439	519
11113005	3018
11114027	379
11114035	152
11114044	290A
11114044T	290A
11114045	290A
11114045T	290A
11114047	290A
11114048	290A
11114048T	290A
11114049	290A
11114049T	290A
11114050	107
11114055	85
11114056	85
11114056T	85
11114060	85
11114062	289A
11114063	399
11114063T	399
11114064	399
11114064T	399
11114066	85
11114066T	107
11114068	85
11114073	153
11114077	85
11114087	376
11114088	376
11114089	399
11114089T	399
11114090	399
11114091	399
11114091T	399
11114092	375
11114093	398
11114096	399
11114103	107
11114106	2302
11114107	89
11114112	375
11114113	2330
11114114	2302
11114119	85
11114127	377#
11114133	56
11114134	378
11114135	382
11114181	2301#
11114281T	382
11114282T	32
11115001	116
11115002	116
11115003	116
11115004	5013A
11115017	177
11115020	125
11115024	519
11115025	177
11115026	177
11115029	109
11115030	142A
11115040	5402
11115043	580
11115046	5011T1
11115059	552
11115060	552
11115061	5005A
11115062	110A
11115063	552
11115064	5013A
11115065	552
11115066	156
11115071	5021A
11115075	116
11115089	5013A
11115090	5011T1
11115095	156
11115096	5036A
11115097	5018A
11115121	580
11115155	552
11115188	5013T1
11115223	552
11116191	5547
11119023	712
11119024	1615
11119025	1620
11119026	1607
11119027	1234
11119030	1465
11119031	1842
11119032	1409
11119034	1714S
11119113	1373
11119114	1780
11119118	1775
11119139	1860
11119140	1859
11119225	1863
11119226	1855
11132875	102
11159860	519
11166527	130
11166535	128
11176377	177
11194628	181
11198132	123A
11210016/7825	109
11210024/7825	116
11220009/7825	102A
11220018/7611	102A
11220022/7611	102A
11220046/7825	123A
11220061/7825	158
11220076/7825	102A
11220106/7611	158
11233335	175
11242096	909
11253441	128
11253588	9912
11268821	519
11290111	177
11292312	74H00
11292313	74H40
11292314	74H51
11292315	74H54
11322253	128
11369564	74H05
11667821	102
11706998-2	199
11707240	311
11707240B	311

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
11707240RA	311
11718319	128
11728100	941
11729469	716§
11783453	102
11787173	519
11790334	5529
11800182	102
11802400	123A
11802500	123A
11803000	177
11858909	102
12023074	310
12090924-4	102A
12233800	289A
12363800	175
12901503	159
12947206	519
12965471	123A
12994851	123A
12997748	519
13020000	102A
13020002	102A
13023708-4	159
13030189	177
13030192	116
13030256	125
13030266	177
13030274	177
13030285	5016A
13030301	109
13030312	109
13030313	116
13030401	143A
13033801	116
13035807-1	123A
13037215	123A
13038115	107
13038900	116
13040089	103A
13040095	102A
13040096	103A
13040216	123A
13040229	109
13040236	102A
13040304	108
13040313	123A
13040317	123A
13040318	123A
13040347	103A + 102A(CP)
13040349	131
13040352	102A
13040357	123A
13040362	108
13040421	108
13040429	129
13040456	158
13040459	108
13050221	116(2)
13053605	199
13053607	199
13069306	199
13069321	199
13073525	289A
13083908	123A
13093003	107
13093004	107
13093005	107
13094517	199
13104367	130
13104560	128
13104561	129
13158621	467
13214051	5995
13217724	102
13217732	102
13411386	519
13411398	590
13411409	590
13421244	21
13428129	2072
13428179	2360◆
13443767	102
13447321	102
14001376-01	5697
14001376-02	5697
14001376-03	5697
14022601	7474
14317184	181
14500001-001	9946
14500001-002	9949
14500001-003	9963
14500001-004	9961
14500004-001D	9936
14500004-001P	9936
14500004-002	9937
14500004-003	9935
14500005-001	9944
14500016-001	941D
14500016-002	941M
14500022-001	123
14628601	124
14714661	519
14714703	519
14714729	5995
14714760	123A
14714786	123A
14734248	909
14735521	154
14736221	159
14769302	505
14798029	159
15038433	123A
15039456	123A
15039464	123A
15039472	519
15039480	519
15059850	124
15077183	175
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36771100	124
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50211600-02	106
50211600-02 VF	106
50211600-10	106
50211600-12	106
50211610-10	106
50211610-12	106
50211900	128
50212100	159
50220601	175
50220602	175
50221300-01	130
50221400-01	218
50221800	152
50221800-01	152
50251300	941
50254200	7406
50254400	915
50254600	74S00
50254700	74S10
50254900	74S20
50255000	74S113
50613800	923
51003059	123A
51003092	123A
51003108	159
51010422A02	718
51120010	159
51122245	123A
51122870	128
51122880	128
51126540	175
51126850	130
51161325	159
51310000	9932
51310001	9933
51310002	9936
51310003	9944
51310004	9946
51310005	9948
51310006	9962
51310007	9094
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51320002	7404
51320003	7410
51320004	7420
51320005	7440
51320006	74170
51320008	7472
51320009	7403
51320010	7426
51320011	7430
51320012	7400
51320016	7451
51320017	7405
51320018	7486
51330005	7408
51565600 VF	123A
51577500	9930
51577600	9932
51577700	9933
51577800	9944
51577900	9946
51578000	9948
51578100	9962
51581300	123A
51624200	9944
51631000	519
51715100	910D
51717000	9094
51717100	9097
51720020	185
51753300	910
52335500	7495
52335600	74H04
52335600HL	74H04
52335700	74H20
52335800	74H50
52335800HL	74H50
52335900	74H74
52335900HL	74H74
53015201	156
54967774-P5	102
55310007-115	139A
55330007-001	507
55335005-001	5870
55430001-001	159
55430028-001	218
55440007-001	123
55440011-001	108
55440023-001	108
55440043-001	123
55440048-001	123A
55440063-001	128
55440087-001	130
55440091-001	130
55440111-001	107
55460014-001	312
55517007	159
56301500	123A
56301600	159
57000901-504	123A
57276605	105
57279005	105
57279007	105
57279009	105
57279011	105
57279017	105
57279025	105
57279027	105
57279033	105
57279073	105
57279076	105
57279293	105
57279298	105
57279566	105
57279793	105
57280281	105
57282315	105
57288072	105
57288073	105
57288076	105
57288079	105
57299720	105
59700278	123A
61260039	126A
61260039A	126A
62009616	109
62013559	102A
62018526	102A
62020911	5804
62034076	160
62034297	112
62034327	102A
62041528	102A
62041536	102A
62042575	126A
62042583	123
62042591	102A
62042648	160
62042656	160
62042664	102A
62043679	160
62043695	160
62044888	126A
62045035	310
62045280	5012A
62045531	102A
62045612	5018A
62045930	102A
62046287	131
62046406	160
62046414	160
62046422	160
62047119	116
62047259	126
62047364	126A
62047895	125
62048158	108
62049200	102A
62049219	102A
62049626	126A
62049774	126A
62050217	101
62051302	506
62051310	506
62051450	127
62051493	154
62051509	104
62052570	102
62052791	116
62052821	126A
62052848	126A
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62054336	102
62057957	102A
62078502	102
62081579	121
62084103	121
62084200	121MP
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62085053	116
62087025	126A
62087447	116
62087498	102A
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62087609	103A
62087617	101
62087633	121
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62087668	160(2)
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62103272	116
62104678	108
62104759	128
62105038	107
62105143	113A
62105275	123A
62105291	107
62111607	126A
62113480	102A
62114258	158
62116331	154
62118946	102A
62118970	102
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62119551	109
62119578	103A
62123648	126A
62123672	5014A
62123788	126A
62134143	102A
62134496	109
62134941	109
62135182	160
62135301	102A
62139455	112
62139633	160
62139668	160
62140844	116
62140887	126A
62140895	126A
62140933	126A
62141042	127
62154543	110MP
62166916	145A
62208945	128
62208953	129
62236302	123A
62256877	116
62256885	172A
62256893	159
62258942	5019A
62260408	123
62278566	129
62279664	159
62360755	116
62371566	121
62372540	124
62379995	123A
62380004	160
62380020	102
62381620	110MP
62383976	703
62389478	185
62389486	184
62389494	128
62389699	123A
62389702	159
62390174	142A
62393661	153
62393688	152
62393696	129
62438096	159
62468211	177
62488131	5809
62506288	159
62506296	108
62506318	108
62506334	123A
62506350	233
62506377	123A
62522666	136A
62522674	116
62522682	113A
62522704	120
62522712	506
62522720	177
62522739	116
62530898	126A
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62537124	108
62537140	123A
62539283	123A
62539291	159
62539305	108
62539313	106
62539321	108
62539348	161
62540311	5081A
62541555	108
62543299	109
62543892	108
62543906	108
62543914	154
62562226	116
62562625	506
62563265	159
62563273	199
62563281	199
62563303	108
62563309	154
62563311	159
62563346	108
62563354	108
62563362	123A
62563370	124
62564490	5071A
62564504	142A
62564520	506
62564539	177
62565122	108
62565160	161
62565963	159
62566369	159
62573741	130MP
62590661	159
62593660	129
62593687	123A
62593707	123A
62593717	161
62593725	161
62593733	160
62596023	160
62596279	123A
62604727	123A
62605465	108
62605618	118
62608498	159
62608528	312
62614765	160
62618663	123A
62636696	161
62638214	123A
62638222	191
62638230	123A
62638249	199
62638257	129
62638265	128
62638281	123A
62638303	123A
62638311	123A
62638338	5080A
62638346	113A
62652381	123A
62669462	5079A
62674954	712
62674962	714
62674970	715
62674989	790
62674997	147A
62675004	123A
62675012	123A
62691263	123A
62691271	108
62691298	128
62695595	108
62695919	107
62695927	107
62695943	108
62697571	177
62700122	102(2)
62707666	160
62711205	193
62711728	102A
62711914	123A
62713747	108
62713755	102
62714832	160
62723645	160
62727128	192§
62727772	116
62728574	103
62728590	160(2)
62728604	124
62733942	123A
62734450	153
62734469	712
62734596	196
62734604	163A
62734612	124
62734639	154
62734647	192§
62734655	233
62734663	193
62734671	152
62734728	506
62736283	749
62736291	713
62736305	783§
62736976	121
62737395	171
62737409	123A
62737417	124
62737425	130
62737433	159
62737441	165
62737468	159
62737476	123A
62737484	123A
62737492	123A
62737522	154
62737646	124
62737654	748A
62741406	177
62741422	177
62741449	165
62741457	159
62741465	199
62742585	104
62743182	152
62743794	153
62744081	199
62744162	116
62746483	145A
62746491	149A
62747501	504
62748273	161
62748281	199
62748451	171
62749067	116
62749558	116
62752300	131
62752319	100
62752327	100
62752742	159
62759720	159
62760087	116
62761261	109
62761288	5098A
62761296	5079A
62761318	506
62761326	506
62761334	116
62761350	177
62761377	177
62766212	184
62766220	123A
62766239	108
62766247	159
62766255	199
62766263	199
62766271	159
62766603	160
62771208	171
62771210	289A
62771224	290A
62771232	5404
62771240	161
62771364	100
62784822	109
62785225	123A
62786272	188
62789204	165
62789247	161
62789255	161
62789263	108
62793163	123A
62798564	107
62801328	506
62806060	159
62887676	102A
62889032	587
62921967	142A
63000061	358
63039418	229
63509167	15009
63527238	1377
64015451	3098
64016180	2337
65372000	128
65600500	9930
65600600	9932
65600700	9946
65600800	9093
65600900	9099
65611000	9094
65611100	9097
66440021-00	OBS-NLA
67283700	128
70119023	1263
70119041	1268
70119062	4011B
70119063	4028B
70119064	4050B
70119512	987
70119526	1860
70119527	1859
70119581	987
70260450	107
70260540	139A
70270050	116
70270250	177
70270390	116
70270490	5401
70270500	5444
70270720	116
70270730	1054
70270740	1095
70370050	116
71773660	110MP
72035900	159
72045600	91108
72729031	105
73010780	5072A
73181260-10	HiDiv-4
74140226-001	130
74140226-002	130
74140226-003	130
75857322	123A
76114077	235
76276722	116
79391858	736
80000900	358
80001300	116
80001400	116
80002400	116
80050100	123A
80050300	103A
80050400	160
80050500	126A
80050600	129
80050700	121
80051001	130
80051500	123A
80051600	129
80052101	199
80052102	123A
80052201	128
80052202	123A
80052301	128
80052302	123A
80052402	130
80052600	123A
80052700	129
80052800	103A
80053001	123A
80053300	152
80053400	123A
80053501	312
80053600	108
80053702	130MP
80104900	126A
80105200	126A
80105300	126A
80146620	160
80146630	160
80203350	102A
80205400	102A
80205600	102A
80222631U	102A
80226310	102A
80236400	102A
80236430	158
80243900	102A
80285400	176
80318250	123A
80337390	128
80338030	108
80338040	108
80339430	108
80339440	108
80366830	107
80366840	107
80383840	123A
80383930	123A
80383940	123A
80389910	123A
80414120	130
80414130	130
80421980	128
80510600	109
80521881	109
81073304	290A
82073206	199
82409501	123A
82410300	129
83037204	123A
83038004	229
83073205	123A
83073206	123A
83073304	123A
83073305	123A
83073306	199
83073504	123A
83078402	229
83093005	107
83094502	123A
83167403	229
83167405	229
83167503	229
83167505	229
84026103	192§
84667800	909
86401000	123A
87096010	116
87100600	109
87100605	109
87140020	116
87201881	109
87204260	109
87219410	116
87227880	177
87227881	177
87302650	177
87400020	116
87500620	110MP
87500720	116
87500920	139A
87600920	139A
87996010	614
87996440	177
87996467	177
88125010-9	123A
89941008	128
89942601	123A
89942702	229
89946008	129
89960404	229
89962306	123A
89962307	123A
89962308	123A
89962309	123A
89962404	123A
89963008	123A
89963009	123A
90042702	229
90200090	1006
90200100	1140
90270020	5483§
90270060	116
91011500	909
91011900	923
91013300	941D
91013600	940§
91014400	949
91015300	947
91056140	159
91190032	116
92005600	102A
92064001	548
92115000-23	177
93037230	123A
93037240	123A
93063240	123A
93063270	123A
93063280	123A
93063470	123A
93064440	199
93064450	123A
93073260	199
93073350	128
93073440	154
93073540	123A
93078420	107
93082830	123A
93082840	123A
93082920	107
93094502	123A
93097120	128
93938040	123A
93939440	107
94029220	124
94301002	109
94616400-1	116
94650700-00	159
94650700-01	159
94742308	128
94810300	5547

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
94813000	181
94818400	390
94824100-00 PS203	123A
94824100-01 PS203	123A
94824101	123A
94825000-05	9093
94825000-11	9936
94846400-00	5695
94846400-01	5695
94846400-02	5695
94913000-01	941D
95114101-00	102A
95114102-00	102A
95114109-00	102A
95114135-00	102A
95114140-00	121
95115115-00	125
95349700	197
95522800	128
95524600	124
96421866	125
102190574J	615A
102990574J	615A
110654492-001	177
120001190	160
120001192	100
120001195	102A
120001300	116
120002013	102A
120002014	102A
120002213	160
120002214	160
120002216	160
120002513	160
120002515	160
120002518	160
120002520	160
120002521	102A
120002656	160
120002748	102A
120004492	160
120004493	102A
120004494	102A
120004495	102A
120004496	108
120004497	108
120004880	108
120004881	108
120004882	108
120004883	123A
120004884	195A
120004885	224
120004886	224
120004887	121
130050036	761§
130050056	761§
130050076	761§
130050116	2040§
130050146	829
130050156	912
130050166	2040§
130050186	941M
130050196	902
130050206	923
130050376	7442
130050386	7400
130050396	7476§
130050406	7402
130050416	7404
130050426	7410
130050436	7475
130050446	74121
130050466	4013B
130050496	955M
130050606	987
130050636	2041§
130050656	997
130050676	4011B
130050696	2043§
130050706	725
130050716	902
130050736	4001B
130050766	2043§
130050856	902
130050866	902
130050906	960
130050916	962
130050926	964
130050946	966
130050956	968
130050966	958
130050976	972
130050986	992
130051096	4044B
130051176	4502B
130051196	7407
130051236	74LS175
130051256	74LS367
130051396	4081B
130160006	2040§
131000561	128
131000562	121
131001007	130
131005353-1	197
131005807	128
131005808	129
134804204-101	116
134804290-101	121
134804596-301	116
143318002	5584
147187606	177
147704001	1115A
151791000	2319
152097001	138A
152221011	102A
152221483	160
160004774	4013B
163547338	723
182320029	2053
210230015	1217
216415001	1115A
226021014	108
229005013	123A
229005014	123A
229005015	123A
229018032	108
229018033	108
229018034	108
229020423	108
229021014	108
229025010	108
229510015V	108
229510031V	108
229510032V	108
229510033V	108
231150050	109
238208001	175
260100602	611
261002302	910D
261004303	941M
261015401	923
300111008	109
300111010	519
300111015	109
300212004	601
300212008	601
300212015	605A
300313004	142A
300313007	5079A
300313009	5081A
300313013	5021A
300313017	5025A
300313018	5023A
300313028	5010A
300313033	5071A
300313038	5013A
300313039	5006A
300313040	5031A
300313041	5073A
300313042	139A
300313043	5017A
300919022	125(2)
300919023	125(2)
300919024	116
300919028	5804
300919032	5313
300919126	116
301001135	374#
301001142	288
301001143	398
301001145	91
301001160	37
301001161	37
301001162	37
301101124	294
301201115	85
301201117	85
301201132	293
301201134	199
301201146	399
301201150	373#
301201155	289A
301201157	90
301201163	107
301201164	399
301201165	375
301201169	196
301201170	56
301201171	90
301201192	36
301201193	36
301201200	196
301301134	293
302001112(GSD)	451
302001113	458
302001114	220
302001122	312
303452152	778A
303452156	788
303452177	1206
303452188	1515
303452189	951
303452192	1666
303452195	1104
303452196	1100
303452197	1217
303452198	941S
303452199	1441
303452202	1482
303452204	1537
303452208	1519
303452215	778A
312104732	160
312104733	160
313007707	1831
313007710	1831
314743006	175
320010430	506
346190001	128
369020046	5313
373511111S	374
394400951AH	1277
402003173	5809
410000608F	290A
410000733P	290A
410000733Q	290A
410001015Y	290A
410001249R	374
410001249S	374
410020536G	199
410020945K	85
410020945P	85
410020945Q	85
410021568R	373
410021568S	373
410021730L	107
410022001L	85
410022228A	399
410022271D	399
410022271E	399
410022274E	289A
410022334L	54
410022373K	379
410022909R	31
410022909S	31
410023117R	373
410023117S	373
410023568K	379#
410023568L	379#
410149042B	287
410149042C	287
410310042C	332
413014010	116
415005668	1052
415007343P	1657
415100574J	615A
415101237H	7100
415101379C	1661
415200050	1027
415207530N	1827
415207601W	1673
415307358P	1843
415904558A	778A
420208700	125
430203845	129
430233843	152
436004601	199
436005001	123A
436005901	234
436006101	128
436006201	129
436006401	199
440008401	116
440009905	519
448501873	1750
450010201	108
450010701	161
450015100	278
485134922	123A
485134923	123A
485134924	123A
485134925	123A
485134926	123A
485134956	160
485134997	199
485137002	128
485137370	197
530239015L	3033
531511004	552
532390017	1V014
539090700	5067A
539090710	5072A
570004503	123A
570005452	123A
570005503	123A
600000060	109
600000090	109
600000150	177
600000953	177
601000001	116
601000062	5013A
601000090	139A
601000091	139A
601100001	139A
601100002	137A
602000001	116
602000002	116
603000002	613
610223001	159
610277001	7445
610278001	74C42
610279001	74151
610280001	7413
610286001	7406
610555001	2302
610555002	2302
612160030	1810
612247000	1760
612353001	1380
612353002	1380
612353003	1380
612535000A	74HC00
619020160	1843
632000001	184A
632000002	235
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4202015100	506
4202015600	177
4202016200	177
4202017200	125
4202017600	116
4202018500	116
4202018700	177
4202019400	5143A
4202019500	5085A
4202020100	5070A
4202020300	125
4202020500	506
4202020900	506
4202021000	116
4202021100	156
4202021700	137A
4202021900	177
4202022300	506
4202022500	177
4202022700	177
4202022900	525
4202023000	506
4202023100	116
4202023400	116
4202024200	138A
4202093599	110MP
4202104170	167
4202104470	125
4202104570	506
4202104770	102A
4202104870	506
4202105470	138A
4202106270	505
4202106970	506
4202107370	503
4202107470	519
4202107570	504
4202107670	519
4202107970	506
4202108070	505
4202108170	505
4202108270	116
4202108570	5080A
4202109070	5074A
4202109170	177
4202109370	125
4202109371	125
4202110270	506
4202110470	552
4202110770	552
4202110870	5074A
4202114970	506
4202115770	506
4202115990	116
4202116670	5074A
4202116870	552
4202117170	506
4202117370	552
4202117470	5022A
4202117570	5022A
4202970330	145A
4203008000	506
4203970100	85
4203970101	199
4203970340	126A
4203970350	126A
4203970360	126A
4206002300	1004
4206002400	1004
4206002600	1080§
4206002900	1080§
4206003900	1080§
4206004000	712
4206004200	1094
4206004300	1121
4206004400	1004
4206004600	712
4206004700	1122
4206004800	1122
4206004900	1122
4206005200	1159
4206007200	1094
4206007300	1121
4206007500	1158§
4206009100	1183§
4206009200	738
4206009700	738
4206009800	1178§
4206012500	1216
4206104970	712
4206105170	749
4206105370	1109
4206105470	712
4206105470(IC)	712
4206105770	712
4206105870	712
4206107870	1186
4206107970	1187
4206970020	2001
4206970091	1103
4220972858	7100
4360021001	123A
4800144294(BCE)	290A
4800155035	290A
4800155039	109
4800155047	519
4800155059	198
4800155060	519
4800155073	85
4800155077	519
4800155093	85
4800155094	85
4800155144	615A
4800155146	5013A
4800155166	5071A
4800155172	19
4800155177	116
4800155179	552
4800155222	399
4800155258	519
4800155267	5633
4800155293	16
4800155294	19
4800155295	5014A
4800155296	552
4800155307	85
4800155322	3074
4800155329	199
4800155330	145A
4800155343	19
4800155349	145A
4800155364	293
4800155365	85
4800155372(BCE)	85
4800155380	290A
4800155400	16
4800155401	16
4800155402	16◆
4803101109-02	121
5147013102	801
5300190230	5015A
5300731044	136A
5300731045	5014A
5301021180	5077A
5301480003	506
5301481003	506
5301511001	552
5301511002	552
5301511003	552
5301511004	552
5301570629	5013A
5301570689	5014A
5301571100	5019A
5301571110	5020A
5301571120	5021A
5301571130	5022A
5301571131	5053A
5301571150	5024A
5301571160	5025A
5301571180	5027A
5301571200	5029A
5301571220	5030A
5301571249	5000A
5301571270	5033A
5301571300	5035A
5301571330	5036A
5301571369	5006A
5301571399	5007A
5301571439	5008A
5301571519	5010A
5301571569	5011A
5301571629	5013A
5301571689	5014A
5301571829	5016A
5301571919	5018A
5301591100	139A
5301650010	534
5301650014	535
5301650020	557
5301710001	116
5301710003	125
5301711001	116
5301711002	116
5301711003	125
5301790001	177
5301790002	177
5301790003	177
5301791001	177
5301810001	519
5301810002	519
5301811001	519
5301811002	519
5301811003	519
5301819001	519
5301840001	580
5301840002	580
5301841001	580
5301850001	5316
5301910005	549
5301920629	137A
5301921100	140A
5301921101	5096A
5301921110	5074A
5301921111	151A
5301921120	142A
5301921121	5097A
5301921130	143A
5301921131	5098A
5301921150	145A
5301921151	5100A
5301921160	5075A
5301921161	5101A
5301921180	5077A
5301921181	5103A
5301921200	5079A
5301921201	5105A
5301921220	5080A
5301921240	5081A
5301921270	146A
5301921300	5084A
5301921330	147A
5301921339	5066A
5301921360	5085A
5301921369	134A
5301921390	5086A
5301921399	5067A
5301921430	5087A
5301921439	5068A
5301921470	5088A
5301921479	5069A
5301921510	5089A
5301921519	135A
5301921560	5090A
5301921569	136A
5301921620	149A
5301921629	137A
5301921680	5092A
5301921689	5071A
5301921750	5093A
5301921759	138A
5301921820	150A
5301921829	5072A
5301921910	5095A
5301921919	139A
5301941003	112
5301950004	616
5301950005	616
5301951005	616
5301980001	5342
5301990689	5014A
5301990919	5018A
5302050001	555A
5302050002	555A
5302050003	553
5302050004	553
5302050005	555A
5302051003	553
5302200001	519
5302250240	5081A
5302350001	3033
5302390011	125
5302390017	1V014
5302390019	5010A
5302390020	552
5302390021	552
5302390022	116
5302390023	116
5302390024	156
5302390025	552
5302390026	552
5302390027	515
5302390028	525
5302390029	552
5302390030	5022A
5302390031	5161A
5302390032	5030A
5302390033	5006A
5302390043	116
5302390056	5010A
5302390057	2V150
5302390066	5021T1
5302390086	615A
5302390124	586
5302390146	519
5302390155	586
5302390161	552
5302390187	590
5302390200	5455
5302390209	125
5302390252	552
5302410060	3017
5302460001	167
5302471001	585
5302490100	5019T1
5302491100	5019T1
5302491160	5025A
5302491270	5033A◆
5302491300	5035A◆
5302491519	5010T1
5302491569	5011T1
5302491629	5013T1
5302511001	519
5302511002	519
5302521001	177
5302521002	177
5302531001	5099A
5302531004	140A
5302531005	5079A
5302531006	142A
5302531007	5097A
5302531008	5082A
5302531010	5096A
5302531012	5094A
5302531013	135A
5302531014	142A
5302540027	5107T2
5302541001	5047A
5302541002	5050A
5302541003	5029A
5302541004	5031A
5302541005	5048A
5302541006	5019A
5302541007	5019A
5302541010	5055A
5302541011	5021A
5302541012	5011A
5302541013	5052A
5302541014	5006A
5302541015	5032A
5302541016	5033A
5302541017	5007A
5302541018	5024A
5302541019	5008A
5302541020	5052A
5302541021	5022A
5302541024	5020A
5302541026	5015A
5302541027	5107T2
5302541029	5028A
5302541031	5029A
5302541032	5005A
5302541033	5035A
5302541035	5046A
5302541036	5027A
5302541037	5035A
5302541038	5016A
5302541039	5013T1
5302541040	5010A
5302541045	5015A
5302551001	116
5302560003	125
5302560005	125
5302561002	125
5302600001	580
5302600002	580
5302601001	580
5302601002	580
5302610001	552
5302611001	552
5302620001	125
5302620002	125
5302621001	125
5302621002	125
5302630001	552
5302641001	580
5302660001	177
5302661001	177
5302670001	552
5302670002	552
5302671002	552
5302680001	519
5302680002	519
5302681001	519
5302681002	519
5302700001	556
5302710001	125
5302710002	125
5302710003	125
5302710004	125
5302711001	125
5302740001	3017
5302740002	3017
5302751001	525
5302751002	525
5302751003	525
5302771001	109
5302780006	5127A
5302780009	5116A
5302780010	5127A
5302781001	5134A
5302781002	5130A
5302781003	5116A
5302781004	5127A
5302781005	5116A
5302781006	5127A
5302781007	5135A
5302801001	5152A
5302810001	125
5302840001	5314
5302850001	3017
5302860001	3033
5302870001	3043◆
5302880001	615A
5302900001	558
5302900002	558
5302910001	500A
5302910002	522
5302910003	522
5302910004	522
5302910005	522
5302910006	522
5302910007	522
5302980001	3041◆
5302990001	587
5302990002	116
5302991001	587
5302991002	116
5303000001	3041
5303020002	5011T1
5303020003	5021T1
5303021002	5011T1
5303021003	5021T1
5303021006	5019T1
5303050001	580
5303050002	580
5303050003	580
5303051002	580
5303051003	580
5303060001	5802
5303060002	5804
5303060003	5806
5303060004	5808
5303060005	5809
5303061001	5801
5303061003	5806
5303100001	580
5303100002	580
5303100003	580
5303101001	580
5303101002	580
5303101003	580
5303130001	553
5303130002	553
5303130003	553
5303131001	553
5303131002	553
5303211919	139A
5303260003	588
5303260004	580
5303261003	588
5303291100	5019T1
5303291130	5022A
5303291330	147A
5303291360	5085A
5303291519	5010T1
5303291569	5011T1
5303291629	5013T1
5303340001	3092
5303371120	5021A
5303371220	5030A
5303371330	5036A
5303371399	5007A
5303371479	5009A
5303371629	5013T1
5303371689	5014A
5303371829	5016A
5303371919	5018A
5303381859	139A
5303410001	580
5303411001	580
5303520001	597
5303520002	598
5303620002	3092
5306050001	6240
5306050002	6244
5306060001	5315
5306060002	5315
5308720001	523/3306
5308720002	523/3306
5308720003	526A
5308720004	523/3306
5308720005	523/3306
5308720006	523/3306
5308720007	526A
5308720008	526A
5308720009	523/3306
5310200010(ECB)	288
5310200051	290A
5310200053	290A
5310200102	290A
5310200141	85

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
5310200142	85
5310200210	85
5310200311	289A
5310200482	376
5310200810	399
5310200875	162
5310200901	376
5310200902	376
5310200910	399
5310200920	399
5310200930	375
5310200940	289A
5310200950	389
5310400011	398
5310400030	94
5310400050	375
5310400090	396
5310400100	389
5320200050	712
5320200150	1545
5320200160	1532
5320200170	1496
5320500100	984
5320500120	1174
5320600070	797
5329500060	712
5340100010	109
5340200040	177
5340200070	506
5340200080	552
5340200430	519
5340200591	552
5340200601	177
5340200722	125
5340200723	109
5340200724	558
5340200741	125
5340200901	552
5340200902	552
5340200950	552
5340300230	5016A
5340300350	5022A
5340300370	5013A
5340300380	137A
5340300450	5013A
5390120949	5019A
5390130479	5009A
5390140249	5000A
5390150479	5009A
5390150519	5010A
5390160309	5004A
5390190040	5011A
5390190060	5013A
5390190949	5018A
5390620331	5036A
5390620399	5007A
5390620829	5016A
5390750519	5010T1◆
5390760111	5020A
5390760121	5021T1◆
5390760131	5022A
5390760271	5083A◆
5390760689	5014A
5390990180	134A
5390990230	615A
5390990280	5018A
5391100060	519
5391100260	580
5391100341	519
5391100460	519
5391100630	555A
5391100640	552
5391200030	552
5391200110	125
5391200200	586
5391200302	552
5391200380	552
5391200390	125
5391200420	588◆
5391200510	552
5391200520	116
5391200530	125
5391300010	5332
5391300230	591
5391300240	590
5391300380	116(2)
5391300390	116(2)
5391500051	586
5391500170	580
5391500200	580
5391500231	580
5391500270	519
5391500320	519
5391500330	580
5391500350	586
5391500390	552
5391500400	156
5391500432	580
5391500460	525
5391500610	580
5391510040	5405
5391510050	580
5391900100	5018A
5392400100	3099
5430200600	177
5430200721	116
5700045452	123
5810200911	399
6100830001	159
6100830002	159
6100830005	159
6100830006	159
6100839001	159
6100839002	159
6100839005	159
6100940001	123AP
6100940002	123AP
6100940003	47
6100940004(EBC)	199
6101220003	283
6101220006	283
6101310001	210
6101310002	210
6101390001	229
6101460001	194
6101460003	194
6101460005	194
6101480002	123AP
6101480003	194
6101480004	194
6101489003	194
6101490004	152
6101490005	153
6101490006	152
6101490007	153
6101490008	152
6101490010	152
6101500001	123AP
6101500002	123AP
6101500003	123AP
6101580002	159
6101580003	159
6101580004	159
6101620002	188
6101620003	50
6101620005	153
6101620006	152
6101640001	312
6101940003	165
6101950001	196
6101950002	153
6102030002	222
6102030007	222
6102030008	222
6102130001	287
6102130002	287
6102170005	130
6102230001	159
6102239001	159
6102240001	123AP
6102249001	123AP
6102260001(EBC)	199
6102260002	47
6102260003	47
6102260004	47
6102260006	47
6102270001	50
6102270002	50
6102270003	50
6102280001	49
6102280002	49
6102280003	49
6102280004	49
6102280005	49
6102320001	123AP
6102320002	123AP
6102329001	123AP
6102329002	123AP
6102330001	53
6102330002	53
6102340001	489
6102460001	159
6102460002(BEC)	395◆
6102461001(BEC)	395◆
6102500001	171
6102500002	171
6102500003	171
6102930001	162
6102930002	162
6102940001	123AP◆
6102940002	123AP◆
6102940003	123AP◆
6103510001	454§
6103511001	454§
6103600001	288
6103600002	288
6103609001	288
6103610001	50
6103610002	50
6103620001	489
6103680001(CBE)	293
6103680002(CBE)	293
6103690002(CBE)	159
6103690003(CBE)	159
6103690004(CBE)	159
6103692002(CBE)	159
6103692003(CBE)	159
6103692004(CBE)	159
6103700001(CBE)	199
6103700002(CBE)	123AP
6103700003(CBE)	199
6103700004(CBE)	123AP
6103700005(CBE)	123AP
6103700006(CBE)	199
6103709006(CBE)	199
6103720002(CBE)	159
6103900001	395
6103902001	395
6103909001	395
6103920001	238
6103920002	238
6103920003	238
6103920004	238
6103950001	54
6103950002	55
6103950003	54
6103950004	55
6103990001	454§
6103991001	454§
6104000001	229
6104050001	296§
6104060001	2312
6104060002	2312
6104070001	469
6104080001	55◆
6104080002	54◆
6104090001	285
6104090002	284
6104120001	389
6104150001	399
6104170001	2313◆
6104180001	455
6104190001	69
6104190002	69
6104190003	69
6104200001	69
6104200002	69
6104210001	331
6104210002	332
6104210003	331
6104210004	332
6104210005	331
6104210006	332
6104210007	331
6104210008	332
6104270001	49
6104270002	49
6104270003	49
6104280001	49
6104280002	49
6104330001	2300
6104330002	2302
6104330003	2300
6104330004	2300#
6104330005	2302
6104331001	2300
6104340001	234
6104340001(CBE)	159
6104340002(CBE)	159
6104340003(CBE)	159
6104342001(CBE)	159
6104349001(CBE)	159
6104349002(CBE)	159
6104350001(CBE)	123AP
6104350002(CBE)	199
6104350003(CBE)	123AP
6104350004(CBE)	123AP
6104352001(CBE)	123AP
6104352002(CBE)	199
6104359001(CBE)	123AP
6104359002(CBE)	199
6104359004(CBE)	123AP
6104360001	2313
6104370001	287
6104379001(ECB)	287
6104380001(ECB)	187A
6104400023	552
6104400031	2356◆
6104400032	2357
6104400055	2414
6104400056	2418
6104400117	294
6104400118	55#
6104400120	85
6104400121	54#
6104400123	290A
6104410001	159
6104420001	319P
6104420003	319P
6104429001	319P
6104430001	48
6104439001	48
6104440001	89
6104450001	123A
6104470001	319P
6104490001	31
6104500001	123AP
6104500002	199
6104509001	123AP
6104510002	159
6104510003	159
6104530001	455◆
6104550001	153
6104560002	123AP
6104570001	152
6104570002	196
6104570003	196
6104580003	123AP
6104600001	159
6104609001	159
6104620001	291
6104620002	291
6104620003	291
6104620005	291
6104630001	238
6104630002	238
6104631001	238
6104631002	238
6104640001	159
6104650001	123AP
6104710001	171
6104730001	238
6104740001	123AP
6104750001	159
6104760001	397
6104770001	386
6104790001	287
6104800001	194
6104809001	194
6104820001	159
6104850001	265
6104860001	123AP
6104870001	159
6104880001(EBC)	399
6104890001	193
6104980001(CBE)	159
6104980002(CBE)	159
6104989001(CBE)	159
6104990001(CBE)	123AP
6104990002(CBE)	123AP
6104990003(CBE)	123AP
6104990004(CBE)	123AP
6105000001(CBE)	123AP
6105000002(CBE)	123AP
6105000003(CBE)	123AP
6105000004(CBE)	199
6105009001(CBE)	123AP
6105009004(CBE)	199
6105020001	229
6105030001	229
6105040001	455
6105050001(CBE)	159
6105050002(CBE)	159
6105070001	2406
6105070002	2406
6105076002	2406
6105077001	2406
6105077002	2406
6105090001	238
6105100001	2407
6105106001	2407
6105107001	2407
6105111001	47
6105112001	47
6105119001	47
6105120001	331
6105140001	2401
6105170001	2310#
6105170002	2310#
6105170003	2310#
6105171003	2310#
6105180001	46
6105250001	2343
6105250002	2343
6105260001	294
6105269001	294
6105270001	383
6105270002	383
6105270003	383
6105272001	383
6105272002	383
6105272003	383
6105280001	374
6105280002	374
6105280003	374
6105290001(CEB)	229
6105290002(CEB)	229
6105292001(CEB)	229
6105299001(CEB)	229
6105300001(ECB)	288
6105310001	198
6105320001	2315
6105320002	2315
6105320003	2315
6105320004	2315
6105320005	2315
6105330001	51
6105340001	457
6105350001	382
6105350002	382
6105350003	382
6105352001	382
6105380001	47
6105380002	47
6105382002	47
6105389002	47
6105390001	54
6105400001	2310
6105410001	2300#
6105420001	268
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16204190632	185
16207190405	158
16211190022	158
16212190022	158
16256197228	129
16304190031	302
16304190400	382
16304190439	373
16304191350	199
16304191600	123A
16304197001	123A
16304198000	195A
16304199400	182§
16307190632	123A
16343190142	186
16356179229	128
16377190632	123A
16400690060	109
16401190188	109
16405990022	177
16411190188	109
16411992471	519
16411992473	519
16415490000	109
16419990032	109
16461992473	177
16501090016	116
16501190016	116
16505090005	116
16512390001	125
16515991002	116
16516390010	5809
16522375242	116(2)
16522375243	116(2)
16601090082	5016A
16602090100	116
16602990107	5071A
16602995856	140A
16609090024	5031A
16609590220	5030A
16611190553	613
16629291210	116
16660063038	3172
16660063039	3174
16740135809	1024
16799025673	2061§
16799062270	1217
16799062774	1331
16799063089	1227
20252300017	116
20252300018	116
31907100400	159
44202007800	506
57000901504	123A
61050760001	2406
61054970001	2407
61208100001	4017B
62170835330	177
70263726001	125
70263738001	159
89054211851	177
134800847274	109
134800849022	177
134800854093	177
134800855216	109
134800855677	5213A
134800863030	109
134800863350	5187AK
134800864205	5190A
134800865539	110MP
134800867716	109
134800868504	5206A
134800868825	5187A
134800868907	5226A
134800869525	123A
134804204101	116
134804290101	121
134804596301	116
134882095301	116
134882095302	116
134882095303	116
134882095304	116
134882137801	5192A
134882137802	5200A
134882137803	5232A
134882137804	5174AK
134882137805	5175AK
134882137806	5188A
134882137807	5224A
134882137808	5186A
134882137809	5229A
134882139701	109
134882139702	109
134882178101	109
134882178102	109
134882178103	109
134882178104	109
134882178105	109
134882178106	109
134882178107	109
134882178108	109
134882178110	109
134882178111	109
134882178112	109
134882178113	109
134882256301	5013A
134882256302	5014A
134882256303	5009A
134882256305	5045A
134882256306	141A
134882256307	5009A
134882256308	5016A
134882256309	5016A
134882256310	144A
134882256311	5019A
134882256312	5011A
134882256313	5023A
134882256314	5024A
134882256315	5010A
134882256316	5016A
134882256317	5021A
134882256318	5018A
134882256319	5014A
134882256320	5033A
134882256321	146A
134882256322	139A
134882256323	5014A
134882256324	5027A
134882256325	5021A
134882256328	140A
134882256329	5090A
134882256330	5096A
134882256331	5031A
134882256332	5019A
134882256333	5002A
134882256334	5020A
134882256335	135A
134882256336	5083A
134882256337	5071A
134882256338	5018A
134882256339	5079A
134882256340	140A
134882256342	5082A
134882256343	139A
134882256344	5015A
134882256345	5017A
134882256346	5067A
134882256347	5014A
134882256348	5022A
134882256349	5031A
134882256350	5022A
134882256351	135A
134882256353	5077A
134882256354	142A
134882256356	139A
134882256357	5079A
134882256358	5086A
134882256359	145A
134882321507	5283A
134882321508	5283AK
134882392202	177
134882392203	177
134882392204	177
134882392206	177
134882392207	177
134882392208	177
134882392209	177
134882392210	177
134882392211	177
134882392212	177
134882392213	177
134882392214	177
134882392215	177
134882393001	177
134882393305	177
134882402301	177
134882402302	177
134882402303	519
134882402304	519
134882402305	177
134882466801	116
134882466802	116
134882466803	116
134882466804	116
134882466806	116
134882466807	116
134882466808	125
134882466812	506
134882466813	506
134882466814	506
134882466815	506
134882466816	506
134882466817	506
134882466818	506
134882466821	506
134882466825	506
134882466827	506
134882466828	506
134882732304	5944
134883291701	109
134883291702	109
134883291704	109
134883291705	109
134883461501	5075A
134883461502	5022A
134883461503	5066A
134883461504	5093A
134883461505	5070A
134883461506	5096A
134883461507	5075A
134883461508	147A
134883461509	5090A
134883461510	5010A
134883461511	5082A
134883461512	146A
134883461513	5068A
134883461514	5096A
134883461515	5018A
134883461516	5095A
134883461517	5001A
134883461518	5027A
134883461519	5067A
134883461520	146A
134883461521	5129A
134883461522	5029A
134883461523	5010A
134883461524	5028A
134883461525	5014A
134883461526	5031A
134883461527	5012A
134883461528	5141A
134883461530	148A
134883461531	5022A
134883461532	5016A
134883461533	5027A
134883461534	5117A
134883461535	5137A
134883461536	137A
134883461537	5077A
134883461538	136A
134883461539	5135A
134883461540	5010A
134883461541	135A
134883461542	5071A
134883461543	5006A
134883727201	5198AK
134883875401	5454
134883875402	5455
134883875403	5543
134883875404	5431§
134883875405	5422§
134883875406	5455
134884461544	5115A
202530001710	116(2)
205523414610	1512
301720490201	109
310710840401	530
310710840402	530
310720440170	121MP
310720490000	123A
310720490010	123A
310720490020	123A
310720490060	185
310720490070	121
310720490080	108
310720490100	123A
310720490150	123A
310720490190	121MP
312210916570	199
319007100020	374 + 373(CP)
319007100380	374
319007100461	374 + 373(CP)
353511050009	804
400100010160	102A
400100020120	102A
404100030180	158
404100900160	123A
404120010180	109
404120030100	109
404120030110	177
404120040100	109
404130010150	116
432213040311	123AP
432213062262	2397◆
482212031456	135A
482212800279	519
482213010262	4051B
482213020014	5465
482213020016	5465
482213020031	5465
482213020033	5404
482213020037	5465
482213020039	6408
482213020041	5404
482213020042	5465
482213020043(GAK)	5405
482213020047	5404
482213020048	5405
482213020051	312
482213020245	5404
482213024035	5465
482213030006	109
482213030009	519
482213030069	581
482213030071	519
482213030072	519
482213030082	5011T1
482213030083	177
482213030084	109
482213030085	109
482213030088	109
482213030123	5010T1
482213030124	125
482213030131	5010T1
482213030132	5013T1
482213030134	5011T1
482213030135	5013T1
482213030138	109
482213030139	177
482213030142	5011T1
482213030143	5013T1
482213030145	5021T1
482213030152	109
482213030163	5013T1
482213030169	125
482213030189	519
482213030191	109
482213030192	125
482213030193	5011T1
482213030195	125
482213030197	116
482213030203	110MP
482213030219	109
482213030221	110MP
482213030223	109
482213030224	109
482213030225	109
482213030226	519
482213030227	125
482213030228	125
482213030229	109
482213030232	109
482213030239	177
482213030242	5013T1
482213030247	5013T1
482213030256	552
482213030258	125
482213030259	125
482213030261	167
482213030264	135A
482213030265	519
482213030266	519
482213030269	519
482213030271	519
482213030273	177
482213030279	168
482213030281	109
482213030284	5010T1
482213030286	5013T1
482213030291	519
482213030295	581
482213030297	5010T1
482213030301	109
482213030302	519
482213030303	519
482213030312	110MP
482213030313	116
482213030323	519
482213030324	5011T1
482213030326	5006A
482213030327	5019T1
482213030332	123AP
482213030335	160
482213030346	5021T1
482213030349	168
482213030353	5021T1
482213030365	5010T1
482213030438	5025A
482213030521	168
482213030537	611
482213030538	5011T1
482213030571	519
482213030574	125
482213030576	125
482213030578	5010T1
482213030581	5013T1
482213030592	519
482213030593	109
482213030612	5013T1
482213030613	519
482213030621	519
482213030659	116
482213030664	613
482213030668	558
482213030672	581
482213030673	5812
482213030692	110MP
482213030693	519
482213030702	519
482213030703	519
482213030715	109
482213030716	109
482213030746	613
482213030759	5011T1
482213030765	5006A
482213030766	5013T1
482213030767	5010T1
482213030769	613
482213030774	5019T1
482213030776	552
482213030787	125
482213030789	606
482213030798	116
482213030799	125
482213030802	5021T1
482213030803	116
482213030805	5010T1
482213030806	5038A
482213030813	110MP
482213030821	552
482213030822	116
482213030823	580
482213030828	116
482213030829	116
482213030831	519
482213030834	5003A
482213030835	519
482213030836	519
482213030839	552
482213030841	519
482213030842	177
482213030843	600
482213030845	610
482213030846	109
482213030847	519
482213030848	519
482213030849	5812
482213030852	519
482213030853	3020
482213030855	3020
482213030857	177
482213030859	5013T1
482213030862	5018A
482213030865	581
482213030868	552
482213030869	110MP
482213030871	519
482213030872	116
482213030873	581
482213030874	580
482213030875	558
482213030876	552
482213030877	580
482213030878	5135A◆
482213030881	613

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
482213030882	116
482213030883	5304
482213030884	109
482213030885	3020
482213030887	610
482213030888	116
482213030889	5016A
482213030891	116
482213030893	519
482213030895	581◆
482213030897	116
482213030898	125
482213030901	5010T1
482213030902	177
482213030907	5018A
482213030911	5125A◆
482213030912	3022
482213030913	611
482213030914	3007
482213030915	3020
482213030918	3010
482213030919	125
482213030922	3020
482213030923	3010
482213030924	3008
482213030926	3025
482213030927	3020
482213030932	614◆
482213030934	3010
482213030936	3007
482213030937	3010
482213030939	4928
482213030951	3079
482213030952	3079
482213030954	3074
482213030955	3011
482213030956	558
482213030957	5812
482213030959	615A
482213030963	3010
482213030971	610
482213030972	5074A
482213030973	5220A
482213030978	116
482213030983	552
482213030984	5313
482213030985	3007
482213030988	612
482213030989	615A
482213030991	5023A
482213030992	611
482213030994	143A
482213031001	5312
482213031003	5304
482213031004	125
482213031005	5050A
482213031007	5313
482213031008	3007
482213031011	519
482213031012	109
482213031013	3077
482213031016	3010
482213031017	552
482213031018	519
482213031019	552
482213031024	5077A
482213031025	116
482213031027	3007
482213031028	605A
482213031031	177
482213031032	109
482213031033	552
482213031034	552
482213031035	5072A
482213031038	142A
482213031041	136A
482213031042	109
482213031043	178MP
482213031046	116
482213031047	116
482213031051	558
482213031053	110MP
482213031055	610
482213031056	5021T1
482213031059	125
482213031062	116
482213031063	177
482213031064	177
482213031066	5342
482213031069	5018A
482213031071	519
482213031072	519
482213031073	116
482213031074	116
482213031075	109
482213031077	110MP
482213031078	611
482213031082	580◆
482213031085	3057
482213031087	552
482213031088	116
482213031089	5023A
482213031096	5021A
482213031097	5031A
482213031108	3004
482213031109	3007
482213031111	5012A
482213031114	116
482213031116	601
482213031118	553
482213031124	156
482213031168	552
482213031173	525
482213031174	116
482213031201	552
482213031253	5000A
482213031274	3007
482213031393	552
482213031438	116
482213031607	587
482213031878	116
482213031933	125
482213031981	5007A
482213032148	558
482213032213	588
482213032245	585
482213032366	5011A
482213032472	3010
482213032574	519
482213032699	5022A
482213032778	519
482213033305	519
482213033861	519
482213034026	616
482213034048	607
482213034049	606
482213034121	116
482213034142	5036A
482213034145	5038A
482213034167	5013T1
482213034173	5011T1
482213034174	5009A
482213034195	5022A
482213034197	5021T1
482213034233	5010T1
482213034278	5014A
482213034281	5024A
482213034297	5019T1
482213034379	5002A
482213034383	5016A
482213034398	5018A
482213034441	5030A
482213034488	5020A
482213034499	5029A
482213034522	580◆
482213034633	125
482213034651	3024
482213034685	5046A
482213040052	160
482213040061	123AP
482213040077	160
482213040083	160
482213040084	199
482213040095	158
482213040096	103A
482213040105	229
482213040109	130
482213040132	130
482213040135	130
482213040136	130
482213040144	199
482213040145	123AP
482213040167	159
482213040182	519
482213040184	123AP
482213040185	159
482213040195	159
482213040196	165
482213040212	155
482213040213	131
482213040214	123AP
482213040215	123AP
482213040216	199
482213040229	109
482213040233	104
482213040235	102A
482213040236	102A
482213040239	199
482213040246	160
482213040249	126A
482213040252	160
482213040253	160
482213040255	160
482213040256	519
482213040292	154
482213040299	154
482213040303	229
482213040304	229
482213040308	108
482213040309	123AP
482213040311	123AP
482213040312	123AP
482213040313	123A
482213040314	103A
482213040315	159
482213040317	123AP
482213040318	123AP
482213040319	103A + 158(CP)
482213040328	126A
482213040331	130MP
482213040333	123AP
482213040336	160
482213040337	160
482213040343	123AP
482213040344	123AP
482213040345	160
482213040348	159
482213040352	158
482213040353	159
482213040354	159
482213040355	159
482213040356	128
482213040357	123AP
482213040358	161
482213040359	154
482213040361	199
482213040362	229
482213040367	159
482213040368	199
482213040369	159
482213040376	229
482213040382	103A + 102A(CP)
482213040384	160
482213040385	160
482213040391	199
482213040392	158
482213040405	102A
482213040406	103A + 102A(CP)
482213040428	158
482213040429	159
482213040437	160
482213040441	160
482213040445	854◆
482213040449	130
482213040453	154
482213040454	161
482213040456	158
482213040457	154
482213040459	229
482213040461	229
482213040474	103A
482213040476	159
482213040477	159
482213040492	161
482213040508	106
482213040514	85◆
482213040515	199
482213040522	159
482213040523	158
482213040524	130
482213040525	159
482213040527	159
482213040531	616
482213040536	165
482213040537	184
482213040614	159
482213040615	290A◆
482213040617	130MP
482213040635	160
482213040637	130MP
482213040645	373
482213040648	131MP
482213040657	229
482213040661	154
482213040664	373
482213040665	374
482213040679	159
482213040701	160
482213040704	374 + 373(CP)
482213040708	199
482213040712	374
482213040716	159
482213040718	159
482213040732	123AP
482213040739	229
482213040741	229
482213040756	229
482213040758	123AP
482213040762	323
482213040764	127
482213040765	94
482213040782	154
482213040784	123AP
482213040785	123AP
482213040786	123AP
482213040804	102A
482213040806	199
482213040807	159
482213040808	229
482213040811	229
482213040813	123AP
482213040816	229
482213040817	123AP
482213040819	126A
482213040822	159
482213040823	373
482213040824	374
482213040825	323
482213040835	123AP
482213040838	123AP
482213040844	229
482213040845	229
482213040849	374 + 373(CP)
482213040853	130MP
482213040854	159
482213040855	123AP
482213040857	185
482213040858	283
482213040859	288
482213040861	2347
482213040862	323
482213040864	158
482213040866	374 + 373(CP)
482213040872	123AP
482213040873	130MP
482213040874	229
482213040876	199
482213040877	159
482213040882	123AP
482213040883	123AP
482213040884	199
482213040887	184
482213040888	185
482213040889	229
482213040891	159
482213040892	123AP
482213040895	229
482213040896	123AP
482213040897	159
482213040898	229
482213040901	199
482213040902	229
482213040903	197
482213040905	130MP
482213040906	123AP
482213040907	123AP
482213040908	154
482213040909	159
482213040911	159
482213040912	283
482213040918	184
482213040919	184
482213040921	185
482213040923	102A
482213040924	159
482213040925	123AP
482213040926	159
482213040927	159
482213040928	199
482213040929	229
482213040932	289A
482213040934	290A
482213040935	199
482213040936	123AP
482213040937	123AP
482213040938	123AP
482213040939	199
482213040941	159
482213040942	159MCP
482213040943	332MCP
482213040945	229
482213040946	159MCP
482213040947	229
482213040948	123AP
482213040951	161
482213040952	229
482213040953	123AP
482213040955	229
482213040956	130
482213040957	159
482213040958	123AP
482213040959	123AP
482213040961	123AP
482213040962	159
482213040963	159
482213040964	123AP
482213040965	123AP
482213040966	159
482213040968	287
482213040969	154
482213040971	165
482213040972	185
482213040973	159
482213040976	454$
482213040978	153MCP
482213040979	159
482213040981	123AP
482213040982	152
482213040983	153
482213040984	389
482213040985	94
482213040986	331
482213040987	332
482213040988	298
482213040989	159
482213040991	123AP
482213040992	159
482213040993	159
482213040994	123AP
482213040995	185
482213040996	165
482213040997	247
482213040998	248
482213040999	159
482213041001	123AP
482213041002	263
482213041003	262
482213041005	130
482213041008	374 + 373(CP)
482213041011	229
482213041012	229
482213041013	123AP
482213041014	229
482213041017	185MCP
482213041018	185 + 184(CP)
482213041019	123AP
482213041021	283
482213041023	123AP
482213041024	312
482213041025	229
482213041026	185
482213041027	253 + 254(CP)
482213041028	186A
482213041031	248
482213041032	165
482213041034	165
482213041035	323
482213041036	245
482213041037	263 + 264(CP)
482213041038	332MCP
482213041039	130MP
482213041041	382
482213041042	263
482213041044	263 + 264(CP)
482213041045	263 + 264(CP)
482213041047	165
482213041048	185
482213041049	373
482213041051	165
482213041052	159
482213041053	382
482213041055	165
482213041056	383 + 382(CP)
482213041057	248 + 247(CP)
482213041058	383 + 382(CP)
482213041059	3032
482213041062	176
482213041063	85
482213041065	312
482213041066	312
482213041067	123AP
482213041069	165
482213041071	103A
482213041072	158
482213041073	331
482213041074	332
482213041075	185MCP
482213041076	153MCP
482213041077	130
482213041078	383
482213041079	294 + 293(CP)
482213041082	284
482213041083	285
482213041084	287
482213041085	379
482213041086	184
482213041087	383
482213041089	284MP
482213041091	332MCP
482213041092	184
482213041093	185MCP
482213041094	298
482213041095	123AP
482213041096	199
482213041097	374
482213041098	159
482213041099	108
482213041101	123AP
482213041103	159
482213041106	288
482213041107	2310
482213041109	374
482213041113	229
482213041114	152
482213041119	125
482213041124	159
482213041125	210
482213041126	108
482213041127	199
482213041128	185
482213041129	184
482213041131	123AP
482213041132	159
482213041133	123AP
482213041135	234
482213041136	374
482213041137	199
482213041138	280
482213041139	382
482213041141	373
482213041142	312
482213041144	153MCP
482213041145	185
482213041146	159
482213041148	199
482213041149	281
482213041151	284
482213041152	457
482213041153	254
482213041154	284
482213041155	285
482213041156	123A
482213041157	123A
482213041161	123A
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482213041163	123AP
482213041164	229
482213041168	222
482213041169	152
482213041171	293
482213041172	156
482213041173	159
482213041174	199
482213041175	199
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482213041179	199
482213041181	199
482213041182	246
482213041183	159
482213041184	123AP
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482213041187	153
482213041188	152
482213041191	232
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482213041195	295
482213041196	85
482213041197	85
482213041198	85
482213041199	285
482213041201	284
482213041202	159
482213041203	289A
482213041205	49
482213041206	50
482213041209	332
482213041211	263
482213041212	264
482213041213	281MCP
482213041214	199
482213041215	85
482213041217	289A
482213041222	152
482213041223	960
482213041224	968
482213041225	159
482213041226	234
482213041227	123AP
482213041228	229
482213041229	123AP
482213041231	123AP
482213041232	123AP
482213041233	312
482213041234	222
482213041235	222
482213041236	222
482213041237	331
482213041238	281MCP
482213041239	374
482213041241(BEC)	395◆
482213041243	271
482213041244	270
482213041245	253 + 254(CP)
482213041246	298
482213041247	375 + 398(CP)
482213041249	284
482213041251	284
482213041252	234
482213041253	159
482213041254	128
482213041256	288
482213041257	85
482213041258	85
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482213041261	123A
482213041262	123AP
482213041263	229
482213041264	165
482213041265	159
482213041266	290A
482213041268	123A
482213041271	85
482213041273	552
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482213041279	2310
482213041281	271
482213041282	270
482213041286	199
482213041287	199
482213041288	377
482213041289	378
482213041291	90
482213041293	87
482213041294	293
482213041296	374
482213041297	398
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482213041303	373
482213041304	90
482213041305	375
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482213041307	229
482213041308	229
482213041309	383
482213041312	382◆
482213041317	290A
482213041318	290A
482213041319	85
482213041322	85
482213041323	85
482213041324	85
482213041484	253
482213041486	580
482213041505	290A
482213041521	85
482213041594	123AP
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482213041646	288
482213041691	159
482213041725	290A
482213041768	152
482213041782	238
482213041803	399
482213041959	290A
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482213042077	2361
482213042231	159
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482213042278	290A
482213042292	289A
482213042298	289A
482213042371	2364
482213042436	2357
482213042488	569
482213042489	552
482213042593	2358
482213042594	2359
482213042606	569
482213042675	2406
482213042679	2337
482213042683	2357
482213042696	2406
482213042804	2406
482213042951	383◆
482213044037	154
482213044104	159
482213044108	154
482213044121	123AP
482213044154	229
482213044156	159
482213044195	229
482213044196	199
482213044197	159
482213044246	199
482213044256	159
482213044257	123AP
482213044283	383
482213044358	159
482213044421	153
482213044461	123AP
482213044465	152
482213044484	159
482213044503	199
482213044508	165
482213044568	159
482213050003	5305
482213050084	166
482213050087	166
482213050088	166
482213050091	5305
482213050096	552
482213050153	125
482213050157	177
482213050182	166
482213050183	166
482213050185	166
482213050194	5305
482213050196	5305
482213050221	116
482213050222	552
482213050228	552
482213050308	168
482213050314	125
482213050316	116
482213050317	116
482213050363	167
482213060093	159
482213060117	373#
482213060163	107
482213060258	85
482213060383	2401
482213060511	2408
482213060588	2355
482213060766	2356
482213060784	261
482213060832	171
482213060887	2401◆
482213060904	2361
482213061179	377#
482213061207	2408
482213061219	5019A
482213061236	185
482213061725	2338◆
482213061876	290A
482213061886	31
482213062068	2344
482213062269	2343
482213062284	262
482213062294	107
482213062296	2324
482213062334	398◆
482213062335	375◆
482213062433	264
482213062483	85
482213062512	20
482213062548	378#
482213062549	377#
482213062616	374
482213062621	373
482213062622	11
482213062698	199
482213062701	2354
482213062702	2344
482213062758	2362
482213062777	85
482213062778	85
482213062779	2361
482213062782	2355
482213062784	326
482213062788	21
482213062878	107
482213063104	293
482213063119	2329
482213063121	2328
482213063154	289A
482213063155	85
482213063269	399
482213063271	2354#
482213063274	375
482213063275	398
482213063287	490
482213063329	2354
482213063411	291#
482213063412	292#
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482213063492	91
482213063546	2388#
482213080138	5024A
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482213080305	5329
482213080317	5010T1
482213080319	5018A
482213080321	5019T1
482213080445	576
482213080572	580
482213080837	177
482213080839	116
482213080907	5313◆
482213081336	519
482213081524	519
482213081565	614
482213082078	5329◆
482213082079	5318◆
482213082645	5313
482213082655	5014A
482213082689	5020A
482213082697	5015A
482213082703	5010T1
482213082776	5304
482213082839	5022A
482213082846	15023
482213083128	576
482213083239	577
482213083362	116
482213083476	5304
482213090012	3074
482213090347	3098
482213763366	3007
482217700319	109
482220910223	4077B
482220910248	4013B
482220910263	4052B
482220910866	4528B
482220911157	1853
482220930165	950
482220930171	960
482220930175	1819
482220930185	1960
482220930193	7087
482220930616	7090
482220930619	7043
482220930883	7041
482220931257	1909
482220931631	1960
482220960853	7047
482220960955	1567
482220960956	7051
482220961188	1766
482220961258	1843
482220961801	1100
482220961848	1972
482220962059	1854M
482220962364	7081
482220962369	1862
482220962941	1964
482220962942	1965
482220963077	1248
482220963179	1961
482220963299	7115
482220963646	1561
482220963848	7083
482220970295	2057
482220970305	966
482220970308	1561
482220970705	1854M
482220971041	1961
482220971463	4555B
482220971489	1657
482220971636	4016B
482220971776	7050
482220971901	977
482220971906	1961
482220971946	1827
482220971977	7064
482220971979	1834
482220972076	1854M
482220972108	1862
482220972155	7115
482220972328	943M
482220972368	7061
482220972491	1634
482220972544	2057
482220972545	1853
482220972554	964
482220972587	1854D
482220972804	815
482220972858	7100
482220973037	1866
482220973064	891M◆
482220973356	7011
482220973676	74HC86
482220973712	7050
482220973727	1724
482220973954	1971
482220980383	1566
482220980401	778A
482220980408	1498
482220980411	1465
482220980444	1566
482220980478	1498
482220980571	926
482220980587	987
482220980591	956
482220980631	834
482220980655	1971
482220980775	955M
482220980782	74LS74A
482220980797	943M
482220980808	968
482220980818	928M
482220980891	960
482220980896	1170
482220980925	1187
482220980933	1439
482220980981	960
482220981118	1580$
482220981194	1231A
482220981245	1657
482220981397	999

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
482220981567	7100
482220981726	966
482220981733	1465
482220981818	1842
482220981929	7002
482220982056	963
482220982489	1843
482220982569	4066B
482220983115	1852
482220983145	7002
482220983163	891M
482220983227	7115
482220983237	7002
482220983274	891M
482220983631	778A
482221100859	5305
482272038000	125
482272092870	158
482281370666	109
483510307089	3033
483513027001	5351A
483513027002	56008
483513027004	5466
483513037001	5021T1
483513037005	5069A
483513037007	5011T1
483513037008	5013T1
483513037009	116
483513037011	519
483513037015	5068A
483513037017	5010A
483513037018	5332
483513037023	5036A
483513037027	147A
483513037031	5019T1
483513037045	5028A
483513037046	5036A
483513037047	116
483513037048	519
483513037049	5022A
483513037051	5011T1
483513037052	569◆
483513037053	552
483513037054	3017
483513037055	123AP
483513037056	123AP
483513037057	3041◆
483513037058	587
483513037059	569◆
483513037061	580
483513037062	585
483513037063	5030A
483513037064	5031A
483513037067	5018A
483513037068	5011T1
483513037071	5019A
483513037072	5013A
483513037074	5013T1
483513037076	519
483513037081	5029A
483513037082	5035A
483513037083	5018A
483513037084	5011A
483513037085	5016A
483513037086	5018A
483513037091	5033A
483513037092	5037A
483513037093	3017
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483513037096	5018A
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483513037101	145A
483513037103	552
483513037104	140A
483513037105	5079A
483513037109	580
483513037113	597
483513037116	116
483513037121	5013T1
483513037123	5021A
483513037124	5024A
483513037125	5008A
483513037126	5019T1
483513037127	177
483513037134	5077A
483513037135	585
483513037136	519
483513037137	5018A
483513037138	5077A
483513037139	5010T1
483513037141	5014A
483513037142	5014A
483513037143	5019T1
483513037144	5018A
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483513037146	519
483513037147	587
483513037148	5332
483513037149	588
483513037151	552
483513037153	116
483513037154	506
483513037155	552
483513037156	552
483513037157	5020A
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483513037159	5030A
483513037161	5033A
483513037162	519
483513037163	580
483513037164	5316
483513037165	139A
483513037169	5025A
483513037172	519
483513037173	177
483513037174	177
483513037177	116
483513037179	580
483513037182	125
483513037184	519
483513037185	525
483513037186	5134A
483513037187	5152A
483513037188	587
483513037192	5011T1
483513037193	5021T1
483513037195	580
483513037196	5801
483513037197	5806
483513037202	588
483513037203	5019T1
483513037209	116◆
483513037211	585
483513037212	519
483513037216	5006A
483513037217	5007A
483513037218	5008A
483513037221	136A
483513037222	5013T1
483513037223	5014A
483513037226	5015A
483513037228	586
483513037229	552
483513037231	5025A
483513037232	5025A
483513037233	586
483513037235	519
483513037236	5072A
483513037239	552
483513037245	5019T1
483513037254	593
483513037256	596
483513037273	5016A
483513037277	147A
483513037279	5081A
483513037283	586
483513037287	519
483513037289	5094A
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483513037292	5016A
483513037294	519
483513037295	525
483513037296	109
483513037297	5116A
483513037299	5018A
483513037302	5030A
483513037303	5014A
483513037304	5009A
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483513037326	3022
483513037328	5194◆
483513037329	5011A
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483513037334	116
483513037335	5035A
483513037336	5013A
483513037347	5021T1
483513037352	519
483513037353	116
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483513037381	2417
483513037389	552
483513037395	116
483513037397	5000A
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483513037402	5018A
483513037404	5025A
483513037405	5015A
483513037414	519
483513037415	519
483513037416	519
483513037423	142A
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483513037433	116
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483513037491	598
483513037493	5022A
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483513037501	5075A
483513037502	147A
483513037503	5016A
483513037504	5022A
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483513037512	5011A
483513037513	5035A
483513037514	5010T1
483513037515	116
483513037519	580
483513037527	5802
483513037529	587
483513037535	580
483513037536	5018A
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483513037543	5011T1
483513037544	139A
483513037548	580
483513037549	125
483513037551	5332
483513037552	5013A
483513037553	5013A
483513037554	5018A
483513037555	552
483513037556	558
483513037557	587
483513037558	5010A
483513037559	5013A
483513037561	552
483513037563	598
483513037566	5020A
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483513037569	5029A
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483513037574	125
483513037588	586
483513037589	586
483513037591	552
483513037593	5013T1
483513037596	116
483513037601	5019T1
483513037603	586
483513037605	587◆
483513037612	558
483513037618	5081A
483513037621	125
483513037622	577
483513037626	552
483513037627	580
483513037634	125
483513037635	125
483513037636	587
483513037637	138A
483513037638	588
483513037639	5013T1
483513037641	552
483513037642	5332
483513037663	581
483513037664	145A
483513037701	177
483513037712	6246
483513047001	5021A
483513047023	2368
483513047025	379#
483513047035	2336
483513047048	159
483513047049	159
483513047051	123AP
483513047052	123AP
483513047053	159
483513047054	159
483513047055	123AP
483513047058	48
483513047059	399
483513047061	2302
483513047062	2393
483513047064	199
483513047065	2406
483513047066	2407
483513047067	2331
483513047068	2393
483513047069	199
483513047071	123AP
483513047072	198
483513047073	399
483513047076	85
483513047081	294
483513047083	489
483513047084	332
483513047085	2406
483513047086	2406
483513047087	2407
483513047088	2401
483513047089	291
483513047091	381
483513047092	2393#
483513047095	2406
483513047096	2401
483513047097	2331
483513047099	399
483513047101	54
483513047102	159
483513047103	159
483513047104	159
483513047105	171
483513047106	395
483513047107	331
483513047108	331
483513047109	332
483513047111	2318
483513047112	2407
483513047113	383
483513047114(CEB)	229
483513047115	382
483513047116	2407
483513047117	216
483513047118	2318#
483513047119	374
483513047121	198
483513047122	2324
483513047123	2388
483513047124	2394
483513047125	171
483513047126	159
483513047127	2418
483513047128	2418
483513047129	2408
483513047133	16
483513047134	19
483513047135	2416
483513047136	2505
483513047137	85
483513047139	2337
483513047141	2408
483513047142	2408
483513047143	17
483513047144	19
483513047145	2407
483513047146	2409
483513047147	2409
483513047148	3120
483513047149	159
483513047151	159
483513047152	283
483513047153	194
483513047154	287
483513047155	130
483513047156	50
483513047157	49
483513047158	53
483513047159	288
483513047162	159
483513047163	395
483513047164	238
483513047165	69
483513047166	49
483513047167	49
483513047168	49
483513047169	2300
483513047171	2365
483513047172	2302
483513047173	115
483513047176	123AP
483513047177	159
483513047178	196
483513047179	159
483513047181	186
483513047182	238
483513047183	123AP
483513047185	386
483513047186	287
483513047187	194
483513047188(EBC)	399
483513047189	159
483513047191	123AP
483513047192	199
483513047194	455
483513047195	238
483513047196	47
483513047197	2310#
483513047198	2343
483513047199	294
483513047201	2315
483513047202	51
483513047204	2310
483513047205	128P
483513047206	51
483513047207	32
483513047208	2302
483513047209	2315
483513047211	54#
483513047213	123AP
483513047214	159
483513047215	2318◆
483513047216	2318#
483513047219	2302
483513047223	379#
483513047225	2337
483513047226	253
483513047227	2337
483513047232	19
483513047233	19
483513047234	159
483513047235	85
483513047235(T0-126)	374
483513047236	159
483513047238	12◆
483513047243	2358
483513047244	2357
483513047247	290A
483513047251	21
483513047252	153#
483513047253	85
483513047256	20
483513047259	2355◆
483513047261	16
483513047263	2418
483513047265	13
483513047266	56#
483513047269	2419
483513047271	290A
483513047272	290A
483513047275	85
483513047278	261#
483513047287	2361
483513047291	2419
483513047321	123AP
483513047322	283
483513047323	165
483513047324	196
483513047325	197
483513047326	49
483513047327	395
483513047328	54
483513047329	55
483513047331	389
483513047333	69
483513047336	54#
483513047337	159
483513047338	397
483513047342	2343
483513047343	382
483513047344	2315
483513047345	2406
483513047346	5404
483513047348	941M
483513047349	13
483513047351	91
483513047352	2355
483513047353	2357
483513047355	85
483513047358	85
483513047362	85
483513047363	399
483513047364	199
483513047365	399
483513047376	373
483513047397	2358
483513047398	290A
483513047399	290A
483513047403	398
483513047407	12
483513047413	153#
483513047422	294
483513047424	290A
483513047426	2364
483513047427	293
483513047428	2357
483513047429	85
483513047431	2363
483513047433	382
483513047434	24
483513047435	85
483513047436	85
483513047439	2358
483513047441	2361
483513047442	290A
483513047443	194
483513047444	47
483513047445	123AP
483513047448	55#
483513047449	153
483513047452	123AP
483513047454	229
483513047457	186
483513047461	289A
483513047462	85
483513047468	18
483513047469	2359
483513047471	2359◆
483513047472	2367◆
483513047476	157◆
483513047477	290A
483513047478	2362
483513047479	2359
483513047481	2415
483513047483	2368◆
483513047486	2414
483513047488	2409
483513047497	2406
483513047502	378#
483513047503	107
483513047525	54#
483513047536	398#
483513047537	375#
483513047538	2406
483513047543	290A
483513047545	55#
483513047549	293
483513047574	2356
483513047575	290A
483513047576	290A
483513047617	294
483513047639	153#
483513047645	2362
483513047667	2360
483513047674	2406
483513047675	2362
483513047676	2361
483513047677	152#
483513047678	378◆
483513047705	399
483513047706	2353
483513047708	2407
483513047719	398#
483513047722	2361
483513047723	2361
483513047725	2367
483513047731	294
483513047744	399
483513047746	2414
483513047749	2353
483513047751	2406
483513047755	2369
483513047757	289A
483513047759	399
483513047761	2330
483513047762	2302#
483513047764	184
483513047765	290A
483513047768	2393#
483513047769	2501
483513047771	2331
483513047785	290A
483513047792	399
483513047794	2302
483513047796	157◆
483513047803	2359
483513047805	85
483513047808	2361
483513047813	2337
483513047817	294
483513047819	2361
483513047829	90◆
483513047834	399
483513047835	2331
483513047841	2312
483513047886	2501
483513047897	2353
483513047901	382
483513047907	2358
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483513047914	85
483513047927	378#
483513057003	5458
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483513082846	15023
483513087016	3017
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483513087076	5404
483513087078	3098
483513087121	3098
483513087132	1805
483513087136	1742
483513087137	1834
483513087149	3098
483513087263	290A
483513087328	1676
483513087358	1630
483513087406	1789
483513097005	3041
483513097006	3092
483513097016	534
483513097017	535
483513097018	557
483513097042	3092
483513737001	5006A
483514037219	5069A
483514887073	549
483514887074	556
483520917004	74HC86
483520917005	74HC4053
483520917011	74HC153
483520917028	4538B
483520917029	973D
483520917032	859
483520917033	4053B
483520917038	778A
483520917042	7047
483520917043	4013B
483520917055	74LS123
483520917057	977
483520917058	1846
483520917091	976
483520917092	801
483520917094	1785◆
483520917095	7406
483520917096	2800
483520917097	4016B
483520917098	4016B
483520917101	829
483520917103	1439
483520917104	1416
483520917105	1445§
483520917106	1231A
483520917107	2203§
483520917109	1632
483520917111	1567
483520917112	1741
483520917113	1740
483520917114	7091
483520917116	1804
483520917122	820
483520917123	1374
483520917124	797
483520917125	4094B
483520917127	866§
483520917128	866§
483520917129	822
483520917131	822
483520917132	1413
483520917133	2200
483520917134	821
483520917136	712
483520917138	1380
483520917139	740A
483520917141	1231A
483520917142	852
483520917143	1580§
483520917146	977
483520917147	793
483520917148	1803
483520917155	1416
483520917161	2201§
483520917162	1754◆
483520917163	1632
483520917164	960
483520917165	1752
483520917173	1786
483520917177	1800
483520917178	1801
483520917189	1792
483520917195	960
483520917228	1793
483520917231	891M
483520917232	7020
483520917234	1661
483520917238	1787
483520917271	4053B
483520917279	4069
483520917283	4013B
483520917302	74HC00
483520917367	3098
483520947004	7048
483520947005	7051
483520947006	7047
483520947007	7048
483520947008	7116
483520947055	1776
483520947056	1777
483520947065	999
483520947083	4053B
483520947084	1777
483520947087	4053B
483520972118	1862
483520987065	1580§
483520987066	1852
483520987067	960
483520987069	1773
483520987071	1765
483520987073	1797
483520987074	1781
483520987076	1566
483520987077	966
483520987079	928M
483520987081	778A◆
483520987082	1219
483520987085	1798
483520987086	7067
483520987089	7066
483520987091	1858
483520987094	1845
483520987097	4001B
483520987105	4066B
483520987111	15009
483520987112	928SM
483520987113	928SM
483520987121	3098
483520987122	3105◆
483520987125	964
483520987129	1387
483520987131	7031
483520987134	7115
483520987136	1777
483520987137	1834
483520987139	7100
483520987149	3098
483520987151	1628
483520987168	858M
483520987177	950
483520987179	4053B
483520987181	74HC00
483520987182	74HC02
483520987206	4052B
483520987207	4069
483520987216	7066
483520987248	3105
483520987252	977
483520987259	1960
483520987261	834
483520987262	928M
483520987263	834
483520987264	615A
483520987268	1766
483520987271	1716
483520987274	1960
483520987275	1974
483520987277	4052B
483520987283	1970
483520987284	739
483520987285	742
483520987286	815
483520987287	778A
483520987289	7426
483520987291	7405
483520987292	7445
483520987298	1380
483520987301	4052B
483520987304	74HC04
483520987324	7011
483520987332	778A
483520987338	969
483520987356	7013
483520987402	1776
483520987406	1789
483520987457	1319
483520987482	1845
483520987552	1906
483520987563	778S
483520987572	1773
483520987612	1674
483520987668	977
483520987675	891M
483520987687	1685
483520987692	74LS221
483520987721	74HC164
483520987744	7043
483520987748	7042
483520987763	987
483520987793	1902
483520987795	1961
483520987801	7010
483520987803	1729
483520987808	7116
483520987821	977
483520987822	7093
483520987826	7044
483520987827	966
483520987834	1765
483520987835	1852
483520987837	7054
483520987846	891M
483520987851	1771
483520987852	1855
483520987884	2632
483520987887	4011B
483520987888	4053B
483520987891	2631
483520987893	7108
483520987944	1827
483520987955	999
483520987957	7109
483520987984	4053B
483520987985	4053B
483520987989	7087
483520988003	7039
483520988026	1856
483520988076	7104
483520988141	1962
483520988142	1962
483525227003	15020
483525227005	15021
483525227007	15022
483528097032	3123
485313087016	3017
505130010150	116
511202507191	109
512201089621	130
512201093131	130
512201093161	519
512202850120	123AP
532213020014	5465
532213020031	5465
532213024004	5465
532213024035	5465
532213024081	5466◆
532213030006	109
532213030009	519
532213030069	581
532213030072	519
532213030084	109
532213030123	5010T1
532213030131	5010T1
532213030132	5013T1
532213030134	5011T1
532213030135	5013T1
532213030138	109
532213030139	177
532213030142	5011T1
532213030143	5013T1
532213030145	5021T1
532213030152	109
532213030163	5013T1
532213030169	125
532213030189	519
532213030191	109
532213030192	125
532213030193	5011T1
532213030195	125
532213030197	116
532213030219	109
532213030221	109
532213030223	109
532213030224	109
532213030225	109
532213030226	519
532213030229	109
532213030232	109
532213030239	177
532213030242	5013T1
532213030256	552
532213030259	125
532213030261	166
532213030269	519
532213030273	177
532213030279	168
532213030281	109
532213030284	5010T1
532213030286	5013T1
532213030295	581
532213030302	5021T1
532213030303	519
532213030323	519
532213030324	5011T1
532213030326	5006A
532213030346	5021T1
532213030349	168
532213030365	5010T1
532213030366	519
532213030391	109
532213030402	5019T1
532213030414	166
532213030521	168
532213030571	519
532213030574	125
532213030576	125
532213030578	5010T1
532213030581	5013T1
532213030592	519
532213030593	109
532213030613	519
532213030621	519
532213030659	116
532213030664	613
532213030668	558
532213030684	116
532213030702	519
532213030715	109
532213030746	613
532213030759	5011T1
532213030765	5006A
532213030766	5013T1
532213030767	5010T1
532213030769	613
532213030774	5019T1
532213031504	5005A
532213031931	5089A
532213031969	506
532213031971	580
532213032184	588
532213032586	138A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
532213033885	580
532213034026	616
532213034028	5010T1
532213034048	5003A
532213034049	606
532213034069	5021T1
532213034121	116
532213034122	5038A
532213034145	5038A
532213034167	5013T1
532213034173	5011T1
532213034197	5021T1
532213034233	5010T1
532213034287	519
532213034297	5019T1
532213034323	580
532213034395	109
532213034402	552
532213034403	552
532213034448	552
532213034465	5013T1
532213034522	580◆
532213034542	5019T1
532213034563	5002A
532213034574	116
532213034633	125
532213034651	3024
532213034682	519
532213034694	3020
532213034754	613
532213035754	613
532213040061	123AP
532213040132	130
532213040135	130
532213040144	199
532213040145	123AP
532213040167	159
532213040172	374
532213040178	159
532213040182	519
532213040195	159
532213040214	123AP
532213040216	199
532213040229	109
532213040249	126A
532213040256	519
532213040299	154
532213040303	229
532213040304	229
532213040308	108
532213040309	123AP
532213040313	123AP
532213040317	123AP
532213040318	123AP
532213040332	123AP
532213040333	123AP
532213040343	123AP
532213040345	160
532213040348	159
532213040353	159
532213040355	159
532213040357	123AP
532213040361	199
532213040368	199
532213040369	159
532213040376	229
532213040385	160
532213040449	130
532213040454	161
532213040457	154
532213040459	229
532213040463	615A
532213040476	159
532213040477	159
532213040492	161
532213040508	159
532213040515	199
532213040524	130
532213040536	165
532213040614	159
532213040635	160
532213040637	130MP
532213040645	373
532213040657	229
532213040661	154
532213040664	373
532213040665	374
532213040679	159
532213040716	159
532213040732	123AP
532213040758	123AP
532213040759	123AP
532213040782	154
532213040822	159
532213040823	373
532213040824	374
532213040835	123AP
532213040838	123AP
532213040855	123AP
532213041899	969
532213041981	2408
532213041982	2408
532213041983	2409
532213042012	2409
532213042047	2311
532213042114	2310
532213042136	2408
532213042363	263
532213042701	263
532213042756	2409
532213044025	123AP
532213044037	154
532213044049	130
532213044101	123AP
532213044102	159
532213044103	123AP
532213044104	159
532213044108	154
532213044112	159
532213044113	123AP
532213044117	229
532213044119	159
532213044121	123AP
532213044124	154
532213044128	580
532213044133	123AP
532213044134	159
532213044135	123AP
532213044141	123AP
532213044142	159
532213044143	123AP
532213044148	123AP
532213044152	123AP
532213044153	159
532213044154	229
532213044155	199
532213044156	159
532213044159	123AP
532213044164	246
532213044195	229
532213044197	159
532213044198	199
532213044199	159
532213044212	123AP
532213044232	383
532213044246	199
532213044251	159
532213044256	159
532213044257	123AP
532213044258	159
532213044263	552
532213044283	383
532213044287	165
532213044289	123AP
532213044291	123AP
532213044298	123AP
532213044299	199
532213044301	123AP
532213044318	85
532213044323	123AP
532213044332	185
532213044346	159
532213044358	159
532213044413	373
532213044421	153
532213044438	153
532213044461	123AP
532213044465	152
532213044484	159
532213044503	199
532213044508	165
532213044568	159
532213044593	294
532213044617	159
532213044649	186A
532213044724	389
532213044786	253
532213044918	2327
532213044926	264
532213050003	5305
532213050157	177
532213050195	5305
532213050197	5305
532213050315	5313
532213060068	159
532213060268	185
532213060898	85
532213061569	2428
532213061575	2344
532213062262	2397◆
532213080686	580
532213081917	585
532220910002	4013B
532220910421	4094B
532220910422	4538B
532220911331	74HC02
532220914066	4073B
532220914068	4050B
532220914121	4053B
532220914269	4040B
532220914561	4516B
532220914865	4066B
532220971759	968
532220982945	1804
532220985572	1785
532220985602	74LS123
532220985869	74LS374
532220985913	967
532220986062	74LS373
532220986064	858M
532220986234	778A◆
532220986296	2013
532220986361	969
532220986518	960
533213033635	5072A
820416171140	7100
922009110112	5013T1
932259350112	287
933000000112	109
933000030112	110MP
933000040112	109
933000080112	109
933000090112	109
933000150112	109
933000190112	109
933000210112	109
933000211112	109
933000230112	109
933000240112	109
933000410112	519
933000430112	519
933000520112	125
933000550112	125
933000560112	125
933000590112	166
933000600112	168
933000610112	126
933000611112	116
933000630112	5010T1
933000900112	131MP
933001070112	102A
933001170112	102A
933001270112	158
933001330112	123AP
933001340112	123AP
933002310112	160
933002370112	160
933002420112	126A
933002470112	160
933002520112	126A
933002550112	160
933002580112	160
933002690112	160
933002730112	160
933002880112	154
933002900112	108
933002911112	229
933002921112	229
933002930112	161
933003030112	103A + 102A(CP)
933003130112	103A + 102A(CP)
933003271000	166
933003301112	166
933004000110	109
933004010112	109
933004020112	519
933004050112	109
933004140112	109
933004160112	109
933004240112	519
933006830112	184
933007700000	610
933008640112	177
933008650112	177
933008740112	168
933008780112	519
933008810112	5010T1
933008820112	5011T1
933008821112	5011T1
933008830112	5013T1
933008880112	5011T1
933008890112	5013T1
933008940112	5013T1
933008970112	5021T1
933009100112	5011T1
933009210112	5021T1
933009270112	5010T1
933009280112	5011T1
933009290112	5013T1
933009340112	5019T1
933009360112	5021T1
933009400112	5025A
933010458110	159
933010458112	159
933011460112	130
933011470112	130
933011490112	154
933012320112	159
933012540112	581
933012700112	519
933012610112	154
933012620112	161
933012670112	125
933022040112	5019T1
933022060112	5021T1
933022550112	519
933022650112	130
933022860112	519
933022890112	177
933022910112	116
933022920112	552
933022960012	108
933022960112	229
933022970112	229
933027800112	160
933027860112	158
933027980112	110MP
933027990112	160
933027930112	154
933030000112	161
933030220112	160
933030240112	158
933032770112	123AP
933032780112	123AP
933032900112	123AP
933033050112	123AP
933035030112	123AP
933035530112	581
933035800112	123AP
933035810112	123AP
933035820112	123AP
933036180112	389
933037410112	102A
933037700112	5010T1
933037710112	5013T1
933040120112	199
933045500112	454§
933045840112	116
933046330112	5013T1
933046500112	154
933046650112	125
933048840112	123AP
933048850112	123AP
933049420112	123AP
933049430112	123AP
933049440112	123AP
933049940112	130
933051990112	160
933052670112	159
933052680112	159
933052700112	519
933053030112	154
933053180112	229
933053860112	519
933054870112	116
933056250112	229
933056270112	613
933059950112	519
933061220112	5006A
933061640112	160
933061650112	160
933061940112	125
933063020112	229
933063290112	130MP
933063390112	229
933063440112	229
933063610112	229
933063470112	519
933063530112	116
933063720112	159
933065720112	616
933067630112	123AP
933067640112	123AP
933067650112	123AP
933067660112	229
933067670112	229
933068830112	199
933069930112	199
933069940112	123AP
933069950112	123AP
933069970112	123AP
933069980112	199
933069990112	123AP
933070520112	109
933073460112	159
933073470112	159
933076010112	159
933076020112	159
933076030112	159
933076450112	125
933076750112	159
933076760112	159
933080260112	130MP
933080390112	5465
933081330112	85◆
933081980112	519
933082220112	130
933083760112	130MP
933083990112	519
933084480112	116
933084540112	199
933084990112	519
933085000112	159
933085010112	159
933087330112	166
933090810112	159
933091160112	373
933091170112	374
933091180112	374 + 373(CP)
933091190112	373
933091210112	374 + 373(CP)
933091220112	373
933091230112	374
933091240112	374 + 373(CP)
933091960112	165
933094230112	616
933094520112	290A
933095550112	519
933096040112	159
933096050112	159
933096060112	159
933097660112	615A
933098580112	5465
933098590112	5465
933098990112	596
933098990115	596
933098990212	596
933098990215	596
933098990235	596
933101220112	519
933101960112	288
933102500112	519
933103800112	199
933103810112	159
933103820112	159
933103830112	159
933103840112	159
933103860112	159
933104470112	125
933104571112	159
933104580112	159
933106580112	130
933106600112	312
933108390112	229
933108640112	5019T1
933110680112	611
933112460112	127
933112700112	519
933114330112	312
933114490112	94
933114690112	168
933115170112	159
933117440112	159
933117720112	5010T1
933117730112	5011T1
933117740112	5013T1
933117790112	5019T1
933117810112	5021T1
933117930112	5038A
933119040112	130MP
933120650112	229
933120660112	229
933121460112	519
933126060112	558
933128350112	125
933129530112	613
933130420112	123AP
933130440112	123AP
933130450112	123AP
933130470112	123AP
933130480112	123AP
933130520112	159
933130540112	159
933130580112	332 + 331(CP)
933130770112	323
933130820112	185
933131460112	199
933132040112	130MP
933132120112	606
933132130112	5003A
933132140112	5006A
933132460112	127
933134490112	94
933134500112	581
933135240112	154
933135250112	154
933136150112	613
933136180112	389
933137740112	613
933137770112	613
933139270112	519
933139380112	154
933139520112	519
933139530112	519
933139540112	519
933139550112	177
933140200112	185
933140230112	184
933141890112	283
933142190112	580
933142490112	5465
933143490112	130
933144890112	323
933149180112	159
933149190112	159
933149200112	123AP
933149210112	123AP
933149220112	159MCP
933149230112	123AP + 159(CP)
933150920112	123AP
933150930112	123AP
933150940112	123AP
933150950112	123AP
933150960112	123AP
933150970112	123AP
933150980112	199
933151000112	123AP
933151020112	199
933151030112	159
933151040112	159
933151050112	159
933151060112	159
933151090112	229
933151120112	229
933156130112	245
933157310112	130MP
933157320112	130MP
933157330112	284MP
933159180112	5125A◆
933159250112	5135A◆
933159590112	288
933159870112	185
933160000112	5074A
933160350112	185
933160360112	184
933160370112	185
933160880112	177
933163500112	116
933164250112	229
933164260112	229
933166130112	323
933166240112	159
933166890112	5011T1
933166920113	5011T†
933166990113	5021T1
933167010112	5038A
933172250112	159
933172650112	312
933172710112	185MCP
933172740112	332MCP
933172750112	332 + 331(CP)
933175750112	3020
933177020112	185
933177030112	184
933177040112	185
933177070112	185MCP
933177110112	165
933179520112	298
933179530112	298
933179560112	123AP
933179610112	123AP
933179620112	123AP
933179660112	123AP
933179690112	123AP
933181001682	941M
933183460112	581
933183480112	508◆
933184360112	3020
933184910112	595
933184910115	595
933184910212	595
933184910215	595
933185820112	4928
933188480112	373
933189560112	323
933190570112	456
933191170112	374
933191810112	283
933193810112	283
933195030112	197
933197270112	263
933197280112	263
933197420112	248 + 247(CP)
933197430112	248
933197440112	248
933197460112	247
933197610112	123AP
933197620112	123AP
933197630112	123AP
933197640112	123AP
933197650112	123AP
933197660112	123AP
933197670112(CBE)	199
933197670116(CBE)	199
933197680112	123AP
933197690112	123AP
933197700112	199
933197720112	159
933197730112	159
933197740112	159
933197750112	159
933197760112	159
933197770112	159
933197780112	159
933197820112	246
933198140112	5220A
933198530112	153
933198540112	152
933198550112	153
933198560112	153MCP
933198570112	153 + 152(CP)
933198770112	229
933198780112	229
933201322682	891M
933202330112	165
933202340112	165
933202360112	165
933202380112	116
933202420112	116
933202620112	159
933202750112	152
933202760112	153
933203020112	615A
933205520112	123AP
933205540112	159
933206490112	153MCP
933206600112	287
933206880112	552
933207520112	123AP
933207530112	123AP
933207540112	123AP
933207550112	123AP
933207570112	199
933208180112	552
933208190112	558
933208390112	519
933208400112	519
933208410112	519
933215280112	165
933215920112	610
933217360112	5465
933220000112	331
933220010112	332
933220110112	5812
933220340112	3010
933220870112	5465
933221930112	382
933221940112	382
933221950112	383
933221960112	383
933221970112	383
933222510112	165
933222520112	165
933222640112	383 + 382(CP)
933222650112	383 + 382(CP)
933223740112	3074
933223910112	5010T1
933224360112	165
933225220112	263 + 264(CP)
933225270112	248 + 247(CP)
933226490112	552
933226500112	552
933227410112	283
933227710112	165
933227800112	94
933228380112	160
933230320112	130
933230330112	130
933230590112	332MCP
933230660112	263
933230690112	263 + 264(CP)
933234550112	253 + 254(CP)
933235020112	374
933237540112	580◆
933237770112	123AP
933237780112	123AP
933237790112	199
933238750112	3007
933243600112	199
933243630112	159
933246760112	2345
933246760127	2345
933246770112	2346
933246770127	2346
933246780112	2345
933246780127	2345
933246790127	2346
933246800127	2345
933246810112	2346
933246810127	2346
933246820112	2345
933246820127	2345
933246830112	2346
933246830127	2346
933258010112	109
933258200112	109
933258840112	116
933259350112	399
933259360112	288
933259610112	5021T1
933261040112	294 + 293(CP)
933261450112	1785
933262540112	165
933263510112	123AP
933263510747	199
933263530112	123AP
933264190112	3010
933264300112	254
933264470112	616
933264610112	130
933267180112	6111
933269670112	374
933269950112	263
933269960112	263
933269990112	264
933270000112	262
933270420112	159
933271560112	2327
933271560127	2327
933271570112	2327
933271570127	2327
933271590112	3020
933272620112	184
933273330112	3022
933276220112	165
933278880112	3020
933280060112	116
933283300112	558
933284610112	284
933284620112	285
933285360112	331
933285370112	332
933286060112	3024
933286070112	3010
933286090112	3011
933288300112	379
933288610112	3020
933289040002	2313
933289040112	2313
933289040127	2313
933296590112	2313
933296590127	2313
933297990112	552
933300410112	116
933300470112	3010
933300600112	960
933318480112	3025
933320320112	519
933320330112	3008
933320340112	3010
933321740112	184
933321760112	185 + 184(CP)
933323740112	3074
933324060112	3007
933324070112	3010
933326620112	2341
933326620116	2341
933326620126	2341
933326630112	2341
933326630116	2341
933326640112	2341
933326640116	2341
933326640126	2341
933326650112	2342
933326650116	2342
933326660112	2342
933326670112	2342
933326670126	2342
933327590112	2310
933328340112	125
933329800112	49
933330340112	968
933347730212	2403
933347730215	2403
933352670112	199
933352690112	159
933360870112	519
933363710112	253 + 254(CP)
933363800112	3079
933364650112	263 + 264(CP)
933366300112	123AP
933366330112	123AP
933366400112	159
933372710112	615A
933385880112	3077
933388560112	3079
933390250112	2310
933390460112	6408
933391340112	210
933392930112	116
933397000112	3007
933408590112	271
933408600112	270
933410710112	594
933410710115	594
933410910112	271
933410930112	270
933414640112	2319
933418070112	2428
933418070115	2428
933418080112	2428
933418080115	2428
933418080135	2407
933418080235	2428
933418090112	2428
933418090115	2428
933418100112	2428
933418100115	2428
933418110112	2429
933418110115	2429
933418120112	2429
933418120115	2429
933418130112	2429
933418130115	2429
933418140112	2429
933418140115	2429
933419590112	253 + 254(CP)
933423290112	3007
933424100112	1760
933429120112	5050A
933429810112	50
933430930112	284
933430940112	285
933430950112	3010
933430990112	3007
933435610112	552
933435620112	552
933436080112	1804
933436250112	3025
933448000112	54
933448000127	54
933448010112	55
933448010127	55
933448020112	54
933448020127	54
933448030112	55
933448030127	55
933448040112	54
933448040127	54
933448050112	55
933448050127	55
933448060112	54
933448060127	54
933448070112	55
933448070127	55
933448080112	54
933448080127	54
933448090112	55
933448090127	55
933450730127(ECB)	187A
933451960112	2344
933451960127	2344
933451970112	2344
933451970127	2344
933451980112	2344
933451980127	2344
933451990112	2344
933451990127	2344
933452000112	2343
933452000127	2343
933452010112	2343
933452010127	2343
933452020012	2343
933452020112	2343
933452020127	2343
933452030112	2343
933452030127	2343
933460490112	281MCP
933460500112	280 + 281(CP)
933460620112	593
933460620115	593
933460620212	593
933460620215	593
933460620235	593
933462000112	1566
933466830112	125
933470050112	580◆
933471020112	7001
933473540112	395
933473540412	395
933473640112	281MCP

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
933475350112	229
933475360112	229
933478170112	3057
933489960112	1292§
933494270112	116
933495550112	3074
933500070113	580
933500140113	580
933500150113	580
933500170113	580
933500180113	580
933502020112	592
933502020115	592
933502020212	592
933502020215	592
933502030112	592
933502030115	592
933502030212	592
933502030215	592
933502040112	592
933502040115	592
933502040212	592
933502040215	592
933507950112	4538B
933507950652	4538B
933507950699	4538B
933508370112	2406
933508370115	2406
933508370212	2406
933508370215	2406
933508380112	2406
933508380212	2406
933508380215	2406
933508380235	2406
933508390212	2407
933508390215	2407
933508400212	2407
933508400215	2407
933508400235	2407
933512320112	47
933514830112	3041
933516250156	2406
933516250212	2406
933516250215	2406
933516260112	2407
933516260212	2407
933516260215	2407
933516270112	2431
933516270115	2431
933516280112	2431
933516280115	2431
933516290112	2430
933516290115	2430
933516300112	2430
933516300115	2430
933525850112	7001
933533020678	1917
933533020682	1917
933533020686	1917
933551560115	2402
933551560212	2402
933551560215	2402
933560450112	1804
933577890112	1465
933577890682	1465
933582570112	2300
933587150112	2311
933589500112	2407
933589500212	2407
933589500215	2407
933589510115	2407
933589510212	2407
933589510215	2407
933589520212	2406
933589520215	2406
933589530212	2406
933589530215	2406
933589540112	2408
933589540212	2408
933589540215	2408
933589550212	2408
933589550215	2408
933589560212	2408
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When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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A2SC538R	199
A2SD226PQ	175
A2SD2260P	152
A2T	108
A2T682	103A
A2T919	108
A2U	124
A2V	108
A2W	108
A2Y	107
A2Z	154
A-3	596
A3-4741-5	948
A3A	108
A3A1	116
A3A3	116
A3A5	116
A3A9	116
A3B1	116
A3B3	116
A3B5	116
A3B9	116
A3C	108
A3C1	116
A3C3	116
A3C5	116
A3C9	116
A3D	108
A3D1	116
A3D3	116
A3D5	116
A3D9	116
A3E	123A
A3E1	116
A3E3	116
A3E5	116
A3E9	116
A3F	123A
A3F1	116
A3F3	116
A3F5	116
A3F9	116
A3G	123A
A3G1	116
A3G3	116
A3G5	116
A3G9	116
A3H	108
A3H-1	163A
A3H1	125
A3H3	125
A3H5	125
A3H9	125
A3J	199
A3K	199
A3K1	125
A3K3	125
A3K5	125
A3K9	125
A3L	157
A3L4-6001	130
A3L4-6001-01	130
A3M	154
A3M1	125
A3M3	125
A3M5	125
A3M9	125
A3MA	154
A3N	123A
A3N71	108
A3N72	108
A3N73	108
A3P	108
A3R	108
A3S	123AP
A3SB	108
A3T	123A
A3T201	101
A3T202	101
A3T203	101
A3T918	161
A3T929	123A
A3T930	123A
A3T2221	123A
A3T2221A	123A
A3T2222	123A
A3T2222A	123A
A3T2484	192§
A3T2894	159
A3T2906	159
A3T2906A	159
A3T2907	159
A3T2907A	193
A3T3011	123A
A3TE120	130
A3TE230	130
A3TE240	130
A3TX003	130
A3TX004	130
A3U	130
A3U-4	130
A3W	123A
A3Y	124
A3Z	123A
A-4	596
A4A	123A
A4A1	116
A4A-1-70	121
A4A-1-705	121
A4A-1A9G	121
A4A5	116
A4A9	116
A4B	199
A4B1	116
A4B5	116
A4B9	116
A4C1	116
A4C5	116
A4C9	116
A4D1	116
A4D5	116
A4D9	116
A4E	107
A4E1	116
A4E-5	108
A4E5	116
A4E9	116
A4F	199
A4F1	116
A4F5	116
A4F9	116
A4G	108
A4G1	116
A4G5	116
A4G9	116
A4H	154
A4H1	125
A4H5	125
A4H9	125
A4i7014	181
A4J	130
A4J BLK	130
A4J RED	130
A4JBRN	130
A4JD3B1	101
A4JRED	130
A4JRED-1	130
A4JX2A822	103A
A4K	184
A4K1	125
A4K5	125
A4K9	125
A4L	103A
A4M	123A
A4M1	125
A4M5	125
A4M9	125
A4N	123A
A4P	123A
A4R	123A
A4S	130
A4S-1	130
A4T	108
A4U	123A
A4V	123A
A4Y-1	107
A4Y-1A	108
A4Y-2	123A
A4Z	130
A-5	595
A5A	196
A5A-1	184
A5A1	116
A5A-1B	152
A5A-2	184
A5A2	116
A5A-3	184
A5A-4	184
A5A-5	184
A5A5	116
A5A9	116
A5A-IB	152
A5B	128
A5B1	116
A5B2	116
A5B5	116
A5B9	116
A5C	123A
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A5C1(Zener)	5010T1
A5C2	116
A5C5	116
A5C9	116
A5D1	116
A5D2	116
A5D5	116
A5D9	116
A5E	188
A5E1	116
A5E2	116
A5E5	116
A5E9	116
A5F	190
A5F1	116
A5F2	116
A5F5	116
A5F9	116
A5FF	190
A5G	184
A5G1	116
A5G2	116
A5G5	116
A5G9	116
A5H	123A
A5H1	125
A5H2	125
A5H5	125
A5H9	125
A5J	108
A5K	123A
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A5K2	125
A5K5	125
A5K9	125
A5L	123A
A5M	123A
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A5M2	125
A5M5	125
A5M9	125
A5N	123A
A5P	123A
A5R	123A
A5S	123A
A5T	191
A5T-1	191
A5T718A	128
A5T918	278
A5T929	123AP
A5T930	123AP
A5T2192	128
A5T2193	128
A5T2222	123A
A5T2222A	128
A5T2243	282§
A5T2484	128
A5T2604	159
A5T2605	159
A5T2907	159
A5T2907A	159
A5T3391	123AP
A5T3391A	123AP
A5T3392	123AP
A5T3496	159
A5T3497	397
A5T3504	159
A5T3505	159
A5T3565	123AP
A5T3571	278
A5T3572	278
A5T3638	159
A5T3638A	159
A5T3644	159
A5T3645	159
A5T3707	123AP
A5T3708	123AP
A5T3709	123AP
A5T3710	123AP
A5T3711	123AP
A5T3798	159
A5T3821	457
A5T3903	123A
A5T3904	123A
A5T3905	159
A5T3906	159
A5T4026	383
A5T4027	159
A5T4028	383
A5T4029	159
A5T4059	288
A5T4060	288
A5T4123	123AP
A5T4124	123AP
A5T4125	159
A5T4126	159
A5T4248	159
A5T4249	159
A5T4250	159
A5T4402	159
A5T4403	159
A5T4409	128
A5T4410	282§
A5T5058	287
A5T5059	287
A5T5086	159
A5T5087	159
A5T5172	123AP
A5T5209	128
A5T5210	128
A5T5219	123AP
A5T5220	123AP
A5T5221	159
A5T5223	123AP
A5T5225	123AP
A5T5226	159
A5T5400	397
A5T5401	397
A5T5550	287
A5T5551	287
A5T6461	287
A5T6462	287
A5T6463	287
A5T6464	287
A5T6538	123AP
A5T6539	123AP
A5T6540	128
A5T6541	128
A5TA	191
A5U	123A
A5V	181
A5W	123A
A5Y	184
A-6	595
A-6-67703	130
A-6-67703-A-7	130
A6A	163A
A6A1	156
A6A5	156
A6A9	156
A6B	108
A6B1	156
A6B-3-70	121MP
A6B-3-705	121MP
A6B-3A9G	121MP
A6B5	156
A6B9	156
A6C	184
A6C1	156
A6C-1	184
A6C-1 RED	184
A6C-2	184
A6C-2 BLK	184
A6C-3	184
A6C-3 WHT	184
A6C-4	184
A6C5	156
A6C9	156
A6C GRN	184
A6D	188
A6D1	156
A6D-1	188
A6D-2	188
A6D-3	188
A6D5	156
A6D9	156
A6E	108
A6E1	156
A6E5	156
A6E9	156
A6F	108
A6F1	156
A6F5	156
A6F9	156
A6G	188
A6G1	156
A6G5	156
A6G9	156
A6H	123AP
A6H1	156
A6H5	156
A6H9	156
A6HD	123A
A6J	123A
A6K	123A
A6K1	156
A6K5	156
A6K9	156
A6L	130
A6LBLK	130
A6LBLK-1	130
A6LBRN	130
A6LBRN-1	130
A6LRED	130
A6LRED-1	130
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A6M1	156
A6M5	156
A6M9	156
A6N	130
A6N1	506
A6N5	506
A6N-6	130
A6N9	506
A6P	108
A6R	123A
A6S	123A
A6T	108
A6T5222	123AP
A6U	108
A6V	107
A6V-5	108
A6W	184
A6Y	190
A6Z	163A
A6ZH	163A
A7-12	130
A7-13	130
A7A	123A
A7A1	156
A7A5	156
A7A9	156
A7A30	108
A7A31	108
A7A32	108
A7B	124
A7B5	156
A7B9	156
A7B(Motorola)	124
A7C	116
A7C1	156
A7C5	156
A7C7	156
A7C9	156
A7C(Motorola)	184
A7D	116
A7D1	156
A7D5	156
A7D9	156
A7E	116
A7E1	156
A7E5	156
A7E9	156
A7E(Transistor)	123A
A7F	190
A7F1	156
A7F5	156
A7F9	156
A7G	116
A7G1	156
A7G5	156
A7G9	156
A7H1	156
A7H5	156
A7H9	156
A7K1	156
A7K5	156
A7K9	156
A7M	130
A7M1	156
A7M5	156
A7M-5(Transistor)	130
A7M9	156
A7M42394B39	755
A7M42894B39	755
A7N	108
A7N1	506
A7N5	506
A7N9	506
A7P	109
A7R	123A
A7S	123A
A7S604T	612
A7S4511H	610
A7S4511T	610
A7S4513H	611
A7S4513T	611
A7S4514H	612
A7S4514T	612
A7S6011H	610
A7S6011T	610
A7S6013H	611
A7S6013T	611
A7S6014H	612
A7S6017T	613
A7T	123A
A7T3391	289A
A7T3391A	289A
A7T3392	289A
A7T5172	289A
A7T6027	640Z§
A7T6028	640Z§
A7U	108
A7V	108
A7W	108
A7Y	123A
A7Z	184
A8-1	160
A8-1-70	160
A8-1-70-1	160
A8-1-70-12	160
A8-1-70-12-7	160
A8-1A	160
A8-1A0	160
A8-1A0R	160
A8-1A1	160
A8-1A2	160
A8-1A3	160
A8-1A3P	160
A8-1A4	160
A8-1A4-7	160
A8-1-A-4-7B	160
A8-1A4-7B	160
A8-1A5	160
A8-1A5L	160
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A8-1A6-4	160
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A8-1A7-1	160
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A8-1A9	160
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A8-16	160
A8-17	160
A8-18	160
A8-19	160
A8A	194
A8B	123A
A8C	185
A8D	128
A8E	196
A8F	241
A8G	123A
A8J	188
A8K	196
A8L	123A
A8M	162
A8N	194
A8P	130
A8P-2-70	102A
A8P-2-705	102A
A8P-2A9G	102A
A8P404F	121
A8P-404-ORN	121
A8P404-ORN	121
A8R	199
A8S	108
A8T	163A
A8T404A	159
A8T3391	123AP
A8T3391A	123AP
A8T3392	123AP
A8T3644	159
A8T3645	159
A8T3702	159
A8T3703	159
A8T3706	123AP
A8T3707	123AP
A8T3708	123AP
A8T3709	123AP
A8T3710	123AP
A8T3711	123AP
A8T4026	294
A8T4027	159
A8T4028	294
A8T4029	159
A8T4058	159
A8T4059	159
A8T4060	159
A8T4061	159
A8T4062	159
A8T5172	123AP
A8U	130
A8V	154
A8VA	154
A8W	130
A8Y	241
A8Z	194
A9-061-40	519
A9-175	199
A9A	108
A9B	123A
A9C	172A
A9D	108
A9E	123A
A9F	123A
A9G	123A
A9H	123A
A9J	123A
A9K	162
A9L-4-70	102A
A9L-4-705	102A
A9L-4A9G	102A
A9M	191
A9N	181
A9P	162
A9R	163A
A9S	123A
A9T	123A
A9U	123A
A9V	152
A9W	123A
A9Y	123A
A10	74H40
A10A	116
A10B	116
A10C	116
A10D	116
A10E	116
A10G05-010-A	123A
A10G05-011-A	123A
A10G05-015-D	123A
A10M	116
A10N	125
A10P	125
A11	178MP
A12	102A
A12-1	225
A12-1-70	123A
A12-1-705	123A
A12-1A9G	123A
A12-2	225
A12(I.C.)	7451
A12A	102A
A12B	102A
A12C	102A
A12D	102A
A12H	102A
A12V	102A
A13	102A
A13-0032	130
A13-14604-1A	121MP
A13-14604-1B	121MP
A13-14604-1C	121MP
A13-14604-1D	121MP
A13-14604-1E	121MP
A13-14777-1	121MP
A13-14777-1A	121MP
A13-14777-1B	121MP
A13-14777-1C	121MP
A13-14777-1D	121MP
A13-14778-1A	121MP
A13-14778-1B	121MP
A13-14778-1C	121MP
A13-14778-1D	121MP
A13-15809-1	225
A13-17918-1	130
A13-22741-2	121MP
A13-23594-1	130
A13-28432-1	225
A13-33188-2	130
A13-55062-1	225
A13-86416-1	103A
A13-86420-1	101
A13-87433-1	101
A13(Diode)	177
A13(rectifier)	116
A13(SMD)	593
A13(transistor)	160
A13A2	116
A13AA2	116
A13B2	116
A13C2	116
A13D2	116
A13E2	116
A13F2	116
A13M2	116
A13N1	123A
A14	102A
A14-586-01	121
A14-601-10	130
A14-601-12	130
A14-601-13	130
A14-602-19	225
A14-602-36	225
A14-602-37	225
A14-602-57 .131 + 155(CP)	108
A14-602-63	108
A14-603-05	108
A14-603-06	108
A14-1001	126A
A14-1002	126A
A14-1003	126A
A14-1004	102A
A14-1005	102A
A14-1006	102A
A14-1007	102A
A14-1008	102A
A14-1009	102A
A14-1010	102A
A14(Transistor)	160
A14A8-1	160
A14A8-19	160
A14A8-19G	160
A14A10G	121
A14A-70	121
A14A-705	121
A14A(Rect)	125
A14B(Rect)	125
A14C(Rect)	125
A14D(Rect)	125
A14E2(Rect)	125
A14E(Rect)	125
A14F(Rect)	125
A-14F-C	519
A14M(Rect)	125
A14N(RECT)	125
A14P(RECT)	125
A14PD1	506
A14PD2	506
A14PD3	506
A15	7474
A15-12	338
A15-1001	126A
A15-1002	126A
A15-1003	126A
A15-1004	102A
A15-1005	102A
A15-1007	109
A15-1008	116
A15(Transistor)	102A
A15A	5812
A15A(RECT)	5812
A15B(RECT)	5814
A15BK	102A
A15BL	102A
A15BLU	102A
A15C(RECT)	5804
A15D(RECT)	5804
A15E(RECT)	5806
A15F(RECT)	5800
A15H	102A
A15K	102A
A15M(RECT)	5806
A15N(RECT)	5808
A15R	102A
A15U(Diode)	5800
A15U(Transistor)	102A
A15V	102A
A15VR	102A
A15Y	102A
A16	102A
A16A1	103A
A16A2	103A
A16CL2CZ47	6240#
A17	102A
A17(I.C.)	7490
A17H	102A
A18-4	130
A18(I.C.)	7493A
A18H	102A
A19	126A
A19-020-072	108
A19(I.C.)	7495
A20	126A
A20K	159
A20KA	159
A21	126A
A21A101016	715
A21A112020	85
A21A112126	292
A21A118281	378
A21A120176	1411
A22B1	156
A22B(RECT)	156
A22D1	156
A22D(RECT)	156
A22M(RECT)	156
A23(RECT)	116
A23B1	5834
A23B(RECT)	5834
A24	108
A24MW594	108
A24MW595	108
A24MW596	108
A24MW597	108
A24T-016-016	108
A25-12	338
A25-1001	126A
A25-1002	126A
A25-1003	126A
A25-1004	102A
A25-1005	102A
A25-1006	102A
A25-1007	109
A25-1008	116
A25A509-016-101	123A
A25A305020101	128
A26	100
A27(RCA)	175
A28	126A
A28A(RECT)	5818◆
A28B(RECT)	5818◆
A28C(RECT)	5820◆
A28D(RECT)	5820◆
A28F(RECT)	5818◆
A29	126A
A29A(RECT)	5819◆
A29B(RECT)	5819◆
A29C(RECT)	5821◆
A29D(RECT)	5821◆
A29F(RECT)	5819◆
A29V082B03	129
A30	102A
A30(diode)	109
A30(transistor)	126A
A31	102A
A31-0206	108
A32	102A
A32-2805-50-1	128
A32-2809	108
A33	102A
A34-6001-1	121
A34-6002-17	121
A35	102A
A35(Japan)	154
A36	102A
A37	126A
A38	126A
A39	126A
A40	102A
A40-6704	113A
A40-6722	113A
A40A(RECT)	5944
A40B(RECT)	5944
A40C(RECT)	5948
A40D(RECT)	5948
A40E(RECT)	5948
A40F(RECT)	5940
A40M(RECT)	5952
A41	160
A41A(RECT)	5945
A41B(RECT)	5945
A41C(RECT)	5989
A41D(RECT)	5949
A41E(RECT)	5953
A41F(RECT)	5944
A41M(RECT)	5953
A42	160
A42X00022-01	5834
A42X00041-01	5019A
A42X00269-01	116
A42X00286-01	102
A42X00290-01	156
A42X00340-01	109
A42X00373-01(Transistor)	102
A42X00373-01(Zener)	5070A
A42X00374-01	116
A42X00390-01	177
A42X00434-01	123A
A42X00454-01	5192A
A42X00460-01	135A
A42X00480-01	5074A
A42X210	103A
A43	126A
A44	126A
A44A(Rect)	5962
A44B(Rect)	5962
A44C(Rect)	5962
A44D(Rect)	5962
A44E(Rect)	5962
A44F(Rect)	5962
A45	126A
A45-1	126A
A45-2	126A
A45-3	126A
A45A(Rect)	5963
A45B(Rect)	5963
A45C(Rect)	5963
A45D(Rect)	5963
A45E(Rect)	5967
A45F(Rect)	5963
A45M(Rect)	5967
A46-867-3	154
A46-8614-3	101
A46-86101-3	107
A46-86109-3	107
A46-86110-3	107
A46-86133-3	107
A46-86301-3	107
A46-86302-3	107
A48-10075A01	121MP
A48-10075A02	121MP
A48-10075A03	121MP
A48-10075A04	121MP
A48-10075A05	121MP
A48-10075A06	121MP
A48-10075A07	121MP

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
A48-10075A08	121MP
A48-10103A01	121MP
A48-10103A02	121MP
A48-10103A03	121MP
A48-10103A04	121MP
A48-10103A05	121MP
A48-10103A06	121MP
A48-10103A07	121MP
A48-10103A08	121MP
A48-10103A09	121MP
A48-10103A10	121MP
A48-10103A11	121MP
A48-40247G01	108
A48-43351A02	108
A48-63076A81	121
A48-63076A82	108
A48-63078A52	109
A48-64978A10	121MP
A48-64978A11	121MP
A48-64978A24	121MP
A48-97046A05	108
A48-97046A06	108
A48-97046A07	108
A48-97127A06	108
A48-97127A12	108
A48-97127A18	108
A48-124216	101
A48-124217	101
A48-124218	101
A48-124220	101
A48-124221	101
A48-125233	101
A48-125234	101
A48-125235	101
A48-125236	101
A48-128239	101
A48-134520	101
A48-134648	225
A48-134700	101
A48-134727	121
A48-134731	121
A48-134789	108
A48-134819	154
A48-134837	108
A48-134843	154
A48-134845	108
A48-134853	154
A48-134898	154
A48-134902	108
A48-134904	108
A48-134907	121
A48-134919	154
A48-134922	108
A48-134923	108
A48-134924	108
A48-134925	108
A48-134926	108
A48-134927	154
A48-134931	101
A48-134945	108
A48-134961	108
A48-134962	108
A48-134963	108
A48-134964	108
A48-134965	108
A48-134966	108
A48-134981	108
A48-137002	154
A48-137035	154
A48-137071	108
A48-137075	108
A48-137076	108
A48-137077	108
A48-137102	121
A48-137197	108
A48-137213	121
A48-137214	121
A48-137215	121
A48-137216	121
A48-137217	121
A48-137218	121
A48-137219	121
A48-137220	121
A48-869254	103A
A48-869283	103A
A48-869476	103A
A48-869476A	103A
A49	102A
A50(rectifier)	116
A50(transistor)	102A
A51	126A
A52	102A
A53	102A
A53C(IC)	2084
A54-3	152
A54-96-001	123A
A54-96-002	123A
A54-96-003	159
A55	126A
A56	126A
A56(Germanium)	160
A56(Silicon)	234
A57	160
A57A144-12	108
A57A145-12	108
A57B124-10	121
A57C5	103A
A57C12-1	154
A57C12-2	154
A57D1-122	154
A57L5-1	121
A57M2-16	154
A57M2-17	154
A57M3-7	121
A57M3-8	121
A58	160
A59	160
A60	126A
A61	160
A62-18427	121
A62-19581	108
A63-18426	154
A63-18427	121
A64	102A
A64H(IC)	1680
A65	102A
A65-09-220	290A
A65-1-1A9G	160
A65-1-70	160
A65-1-705	160
A65-1A9G	160
A65-2-70	103A
A65-2-705	103A
A65-2A9G	103A
A65-4-70	101
A65-4-705	101
A65-4A9G	101
A65A19G	160
A65A-70	160
A65A-705	160
A65B19G	126A
A65B-70	126A
A65B-705	126A
A65C19G	121
A65C-19G	121
A65C-70	121
A65C-705	121
A65-P11305-0001A	519
A65-P11311-0001	177
A65-P11324-0001	519
A66	102A
A66-1-70	102A
A66-1-705	102A
A66-1A9G	102A
A66-2-70	102A
A66-2-705	102A
A66-2A9G	102A
A66-3-3A9G	102A
A66-3-70	102A
A66-3-705	102A
A66-3A9G	102A
A66-P11138-0001	128
A66X0043-001	177
A67	102A
A67-07-244	199
A67-08-760	316
A67-15-280	195A
A67-33-340	199
A67-33-540	289A
A67-37-940	229
A67-70-960	297
A67-76-200	236
A68-23-560	152
A69	126A
A70	126A
A70-12	339
A70A(RECT)	6154
A70B(RECT)	6154
A70C(RECT)	6154
A70D(RECT)	6154
A70E(RECT)	6156
A70F	160
A70F	160
A70M(RECT)	6156
A70MA	160
A70N(RECT)	6158
A70P(RECT)	6158
A70S(RECT)	6158
A70T(RECT)	6158
A71	160
A71A	160
A71A(Rectifier)	6155
A71A(Transistor)	126A
A71AB	160
A71AC	160
A71B	160
A71B(Rectifier)	6155
A71B(Transistor)	126A
A71BS	160
A71C(RECT)	6155
A71D	160
A71D(Rectifier)	6155
A71D(Transistor)	126A
A71E(RECT)	6157
A71M(RECT)	6157
A71N(RECT)	6159
A71P(RECT)	6159
A71S(RECT)	6159
A71T(RECT)	6159
A71Y	160
A72	126A
A72-49-600	519
A72-83-300	6408
A72-86-700	5072A
A72BLU	126A
A72BRN	126A
A72ORN	126A
A72WHT	126A
A73	160
A73-16-179	177
A74	126A
A74-3-3A9G	100
A74-3-70	100
A74-3-705	100
A74-3A9G	100
A75	126A
A75-68-500	116
A75B	126A
A76	126A
A76-11770	121
A77	126A
A77A	126A
A77A19G	105
A77A-70	105
A77A-705	105
A77B	126A
A77B19G	121MP
A77B-70	121MP
A77B-705	121MP
A77C	126A
A77C19G	121
A77C-70	121
A77C-705	121
A77D	126A
A78	102A
A78B	102A
A78C	102A
A78D	102A
A79	102A
A79C(IC)	2090
A80	126A
A81	160
A81-004	585
A82	126A
A83	126A
A83-006	578
A83P2B	129
A84	160
A84A19G	121
A84A-70	121
A84A-705	121
A85	126A
A86-3-1	115
A86-4-1	114
A86-9-1	113A
A86-10-2	101
A86-44-2	101
A86-213-2	154
A86-214-2	154
A86-215-2	154
A86-316-2	154
A86-565-2	194
A86X0030-100	121MP
A87	126A
A88	123A
A88-70	160
A88-705	160
A88(Japan)	123A
A88B19G	160
A88B-70	160
A88B-705	160
A88C19G	100
A88C-70	100
A88C-705	100
A89	160
A90(Transistor)	126A
A90A(RECT)	6354
A90B(RECT)	6354
A90C(RECT)	6354
A90D(RECT)	6354
A90E(RECT)	6356
A90M(RECT)	6356
A90N(RECT)	6358
A90P(RECT)	6358
A90S(RECT)	6358
A90T2	108
A90T(RECT)	6358
A91A(RECT)	6355
A91B(RECT)	6355
A91C(RECT)	6355
A91D(RECT)	6355
A91E(RECT)	6357
A91M(RECT)	6357
A91N(RECT)	6359
A91P(RECT)	6359
A91S(RECT)	6359
A91T(RECT)	6359
A92	126A
A92-1-70	105
A92-1-705	105
A92-1A9G	105
A93	126A
A94	126A
A95-5280	113A
A-95-5281	116
A95-5281	116
A95-5286	358
A-95-5289	116
A95-5289	116
A-95-5295	119
A95-5295	119
A-95-5296	118
A95-5296	118
A95-5297	113A
A95-5314	500A
A97A83	121
A99S07	101
A99SK5	101
A99SK7	101
A-100(Rect.)	116
A100(rectifier)	116
A100(transistor)	126A
A100A	126A
A100B	126A
A100C	126A
A101-A(Rect.)	116
A101A(rectifier)	116
A101A(transistor)	126A
A101AA	126A
A101AY	126A
A101B	126A
A101BA	126A
A101BB	126A
A101BC	126A
A101BX	126A
A101C	126A
A101CA	126A
A101CV	126A
A101CX	126A
A101E	126A
A101QA	126A
A101V	126A
A101X	126A
A101Y	126A
A101Z	126A
A-102	126A
A102(Japan)	126A
A102A	126A
A102AA	126A
A102AB	126A
A102B	126A
A102BA	126A
A102BN	126A
A102CA	126A
A102TV	126A
A103A	126A
A103B	126A
A103C	126A
A103CA	126A
A103CAK	126A
A103CG	126A
A103DA	126A
A104-8	225
A104(Japan)	126A
A104A	126A
A104B	126A
A104D	126A
A104P	126A
A104Y	126A
A105	126A
A106	126A
A106(Japan)	123A
A107	126A
A107(Japan)	160
A108	123A
A108(Japan)	160
A108A	123A
A108B	123A
A109	126A
A109C	909D
A110	199
A110(Japan)	199
A110C	910D
A111	123A
A111(Japan)	126A
A111T2	154
A112	126A
A112-000172	159
A112-000185	159
A112-000187	159
A113	126A
A114	126A
A114(Transistor)	102A
A114A(Rect)	580
A114B(Rect)	580
A114C(Rect)	580
A114D(Rect)	580
A114E	580◆
A114EA(Dig. Trans)	2356◆
A114EF(Dig. Trans)	2356◆
A114EK(Dig. Trans)	2415
A114ES(Dig. Trans)	2356
A114F(Rect)	580
A114M(Rect)	580
A115	126A
A115(Japan)	102A
A115A	580
A115B	580◆
A115B(Rect)	580◆
A115C	580◆
A115C(Rect)	580◆
A115D	580◆
A115D(Rect)	580◆
A115E	580◆
A115F	580
A115M	580◆
A116	126A
A116(Japan)	102A
A117	126A
A118	126A
A119	129
A120	129
A120A	129
A120P1	159
A121	126A
A121-1	159
A121-1RED	159
A121-15	101
A121-16	101
A121-17	101
A121-21	101
A121-50	101
A121-361	154
A121-444	159
A121-445	159
A121-480	108
A121-495	159
A121-496	159
A121-497	159
A121-497WHT	159
A121-585	107
A121-585B	107
A121-602	159
A121-603	159
A121-679	159
A121-687	107
A121-699	159
A121-746	159
A121-762	101
A121-774	159
A121-1410	101
A122	160
A122-1962	103A
A122(Japan)	126A
A122GRN	159
A122YEL	159
A123	126A
A123-7	116
A124	126A
A124EF(Dig. Trans)	2358◆
A124EK(Dig. Trans)	2417
A124EN(Dig. Trans)	2358
A124ES(Dig. Trans)	2358
A124K(Dig Trans)	2417
A124N(Dig. Trans)	2358
A125	126A
A126	126A
A127-7	101
A128	123A
A128(Japan)	158
A128A	123A
A129-30	101
A129-34	159
A129(Transistor)	158
A130	154
A130-149	159
A130-40315	159
A130-40429	159
A130(Japan)	160
A130ORN	108
A130-ORN	154
A130-V10	154
A130V100	108
A131	126A
A132	116
A132-1	116
A132(Japan)	126A
A132(Transistor)	154
A133	194
A133(Japan)	126A
A134	126A
A135	160
A136	126A
A137	123A
A137(Japan)	126A
A137(NPN)	123A
A137(PNP)	159
A138	199
A138(Japan)	102A
A139	199
A139(Japan)	126A
A139E(RECT)	5994
A139ER	5995
A139M(RECT)	6010
A139MR	6011
A141	102A
A141(Japan)	126A
A141(NPN)	123A
A141(PNP)	126A
A141B	126A
A141C	126A
A142	102A
A142(Japan)	126A
A142A	126A
A142B	126A
A142C	126A
A143	102A
A143(Japan)	126A
A143EA(Trans)	2368◆
A143EF(Trans)	2368◆
A143EL(Trans)	2368◆
A143ES(Trans)	2368
A143EV(Trans)	2368◆
A143ZA(Trans)	2370◆
A143ZF(Trans)	2370◆
A143ZL(Trans)	2370◆
A143ZS(Trans)	2370
A143ZV(Trans)	2370◆
A144	126A
A-144-3078	5547
A144A-1	121
A144A-19	121
A144C	126A
A144EA(Dig. Trans)	2360◆
A144EF(Dig. Trans)	2360◆
A144EK(Dig Trans)	2419
A144EN(Dig. Trans)	2360
A144ES(Dig. Trans)	2360
A144F(Dig. Trans)	2360◆
A144N(Dig. Trans)	2360
A145	126A
A145A	126A
A145C	126A
A146	126A
A146B-3	121MP
A146B-39	121MP
A147	126A
A148	126A
A148P-2	102A
A148P2	102A
A148P2-29	102A
A148P-29	102A
A149	126A
A149L-4	102A
A149L-49	102A
A150	126A
A151	126A
A151(Japan)	160
A152	126A
A152(Japan)	160
A153	123A
A153(Japan)	126A
A154(NPN)	108
A154(PNP)	126A
A155(NPN)	108
A155(PNP)	126A
A156	123A
A-156	123A
A156(Japan)	126A
A157	123A
A157(Japan)	126A
A157A	123A
A157B	123A
A157C	123A
A158	123A
A158A	123A
A158B	123A
A-158B	123A
A158C	123A
A-158C	123A
A159	123A
A159A	123A
A159B	123A
A159C	123A
A160	126A
A160(Japan)	100
A161	159
A162	159
A163	160
A164(NPN)	108
A164(PNP)	126A
A165(NPN)	108
A165(PNP)	126A
A166	126A
A167	100
A168	123A
A-168	123A
A168(Japan)	100
A168A	100
A168P1	121MP
A169	100
A170	129
A170(Japan)	100
A170A(RECT)	6154
A170AR	6155
A170B(RECT)	6154
A170BR	6155
A170C(RECT)	6154
A170CR	6155
A170D(RECT)	6154
A170DR	6155
A170E(RECT)	6156
A170ER	6157
A170M(RECT)	6156
A170MR	6157
A170N(RECT)	6158
A170NR	6159
A170P(RECT)	6158
A170PA	6162
A170PB	6162
A170PC	6162
A170PD	6162
A170PR	6159
A170RA	6155
A170RB	6155
A170RC	6155
A170RD	6155
A170RE	6157
A170RM	6157
A170RN	6159
A170RP	6159
A170RPA	6163
A170RPB	6163
A170RPC	6163
A170RPD	6163
A170RS	6159
A170RT	6159
A170S(RECT)	6158
A170SR	6159
A170T(RECT)	6158
A170TR	6159
A171	159
A171(Japan)	100
A172	100
A172A	100
A173	102A
A173B	102A
A174	102
A175	126A
A175K(10mm MOV)	524V17
A175K(14mm MOV)	524V17
A175K(20mm MOV)	524V17
A176	126A
A176-025-9-002	108
A177	159
A177(A)	159
A177A	159
A177AB	159
A178A	159
A178AB	159
A178B	159
A178BA	159
A179A	159
A179AC	159
A179B	159
A179BB	159
A179Q	159
A180	126A
A180A(RECT)	6154
A180AR(Rect)	6155
A180B(RECT)	6154
A180BR(Rect)	6155
A180C(RECT)	6154
A180CR(Rect)	6155
A180D(RECT)	6154
A180DR(Rect)	6155
A180E(RECT)	6156
A180ER(Rect)	6157
A180M(RECT)	6156
A180MR(Rect)	6157
A180N(RECT)	6158
A180NR(Rect)	6159
A180P(RECT)	6158
A180PA	6162
A180PB	6162
A180PC	6162
A180PD	6162
A180PR(Rect)	6159
A180RA(Rect)	6155
A180RB(Rect)	6155
A180RC(Rect)	6155
A180RD(Rect)	6155
A180RE(Rect)	6157
A180RM(Rect)	6157
A180RN(Rect)	6159
A180RP(Rect)	6159
A180RPA	6163
A180RPB	6163
A180RPC	6163
A180RPD	6163
A180RS(Rect)	6159
A180RT(Rect)	6159
A180S(RECT)	6158
A180SR(RECT)	6159
A180T(RECT)	6158
A180TR(Rect)	6159
A181	126A
A182	102A
A183	126A
A187TV	102A
A188	126A
A189	126A
A190A(RECT)	6354
A190AR	6355
A190B(RECT)	6354
A190BR	6355
A190C(RECT)	6354
A190CR	6355
A190D(RECT)	6354
A190DR	6355
A190E(RECT)	6356
A190ER	6357
A190M(RECT)	6356
A190MR	6357
A190N(RECT)	6358
A190NR	6359
A190P(RECT)	6358
A190PA	6362
A190PAR	6363
A190PB	6362
A190PBR	6363
A190PC	6362
A190PCR	6363
A190PD	6362
A190PDR	6363
A190PE	6106
A190PER	6107
A190PR	6359
A190RA	6355
A190RB	6355
A190RC	6355
A190RD	6355
A190RE	6357
A190RM	6357
A190RN	6359
A190RP	6359
A190RPA	6363
A190RPB	6363
A190RPC	6363
A190RPD	6363
A190RS	6359
A190RT	6359
A190S(RECT)	6358
A190SR	6359
A190T(RECT)	6358
A190TR	6359
A192	312
A194	312
A195	312
A-195C	159
A196	312
A197	126A
A198	102A
A200	116
A200-052	159
A200(Reach)	724
A201	126A
A201-0	126A
A201A	126A
A201B	126A
A201E	126A
A201N	126A
A201TVO	126A
A202(Japan)	126A
A202A	126A
A202B	126A
A202C	126A
A202D	126A
A203	102A
A203(NPN)	186
A203(PNP)	102A
A203A	126A
A203AA	126A
A203AA(PNP)	126A
A203B	102A
A203B(PNP)	126A
A203P	102A
A203P(PNP)	126A
A204	100
A205	100
A206	100
A207	100
A208	176
A208(Japan)	100
A208(NPN)	186
A209	176
A210	176
A210(Japan)	100
A211(Japan)	100
A211(Zener)	5020A
A212	100
A213	126A
A214	126A
A215	126A
A216	126A
A217	100
A218	160
A219	126A
A220	126A
A220(Transistor)	160
A221	126A
A222	126A
A223	126A
A224	160
A-225	542◆
A225	126A
A-225-1	160
A225(OVEN RECT)	542◆
A225(TRANSISTOR)	160
A226	160
A227	160
A228	160
A229	160
A230	160
A231	176
A231-47049(Rad Shk)	506
A-231(RadShk)	552
A232	176
A233	160
A233-2032(Rad Shk)	552
A233A	160
A233B	160
A233C	160
A234	160
A234A	160
A234B	126A
A234C	126A
A235	160
A235A	126A
A235B	160
A235C	126A
A236	126A
A237	126A
A238	126A◆
A239	160
A240	160
A240A	160
A240B	160
A240B2	160
A240BL	160
A241	160
A242	160
A243	160
A244	161
A244(AMC)	161
A244(Japan)	160
A245	108
A245(AMC)	108
A245(Japan)	160
A246	123A
A246(AMC)	123A
A246(Japan)	126A
A246V	126A
A247	154
A247(AMC)	154
A247(Japan)	126A
A248	102A
A248(AMC)	123A
A248(Japan)	100
A249	123A
A249(AMC)	128
A250	126A◆
A251	126A
A252	126A
A253(Japan)	126A
A254	126A
A255	126A
A256	126A
A257	126A
A258	126A
A-258-1	126A
A259	126A
A260	160
A261	160
A262	160
A263	160

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A264	160
A265	160
A266	126A
A267	126A
A268	126A
A269	126A
A270	195A
A270(Japan)	126A
A271(Japan)	126A
A272	152
A272(Japan)	126A
A273	152
A273(Japan)	126A
A274(NPN)	195A
A274(PNP)	126A
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A624R	307§
A624Y	307§
A625	129
A625B	129
A625G	129
A625Y	129
A626	88
A626K	88
A626L	88
A626M	88
A626N	88
A627	88
A627K	88
A627L	88
A627M	88
A627N	88
A628(BCE)	290A
A628A(BCE)	290A
A628AC(BCE)	290A
A628AD(BCE)	290A
A628AE(BCE)	290A
A628AF(BCE)	290A
A628AG	234
A628B(BCE)	290A
A628C(BCE)	290A
A628D(BCE)	290A
A628E(BCE)	290A
A628EF(BCE)	290A
A628F(BCE)	290A
A628G	234
A629	234
A634	187A
A634-3ZL(Trans)	187A
A634(Korea)	187A
A634A	187A
A634B	187A
A634C	187A
A634D	187A
A634K	187A
A634L	187A
A634M	187A
A634N	187A
A634-O	187A
A634-O(Trans)	187A
A634R	187A
A636	187
A636-4K	187
A636-4L	187
A636(4)K	187
A636(4)L	187
A636(Korea)	187
A636A	187
A636B	187
A636C	187
A636D	187
A636K	187
A636L	187
A636M	187
A636-O	187
A636R	187
A637	288
A638	288
A639(ECB)	288
A639S(ECB)	288
A640	234
A640(Japan)	159
A640A	234
A640B	234
A640C	234
A640D	234
A640E	234
A640F	234
A640L	234
A640M	234
A640S	234
A641	234
A641(Japan)	234
A641(NPN)	123A
A641(PNP)	234
A641A	234
A641B	234
A641C	234
A641D	234
A641L	234
A641M	234
A641S	234
A642	290A
A642-254	108
A642-260	108
A642-268	108
A642-271	121MP
A642(Japan)	290A
A642(Korea)	159
A642A	290A
A642B	290A
A642C	290A
A642D	290A
A642E	290A
A642F	290A
A642G(Korea)	159
A642L	290A
A642L(NPN)	199
A642-O(Korea)	159
A642R	290A
A642S(NPN)	199
A642V	290A
A642W	290A
A642Y	290A
A642Y(Korea)	159
A643	193A
A643(Korea)	159
A643A	193A
A643B	193A
A643C	193A
A643D	193A
A643E	193A
A643F	193A
A643G(Korea)	159
A643L	193A
A643-O(Korea)	159
A643R	193A
A643R(Korea)	159
A643S	193A
A643V	193A
A643W	193A
A643Y(Korea)	159
A644L	199
A644S	199
A645	211
A645L	199
A645S	199
A646	211
A648	281
A648A	281
A648B	281
A648C	281
A649	281
A649A	281
A649B	281
A649C	281
A649L	123A
A649S	123A
A653(Trans)	398
A656	88
A656A	88
A656L	88
A656M	88
A657	88
A657A	88
A658	88
A658A	88
A659	290A
A659A	290A
A659B	290A
A659C	290A
A659D	290A
A659E	290A
A659F	290A
A659G	290A
A659L	290A
A659P	290A
A659R	290A
A659Y	290A
A661	290A
A661GR	290A◆
A661-O	290A
A661R	290A
A661Y	290A
A663	219
A663-BL	219
A663-R	219
A663-Y	219
A666	290A
A666A	290A
A666AP	290A
A666AQ	290A
A666AR	290A
A666AS	234
A666AT	234
A666H	290A
A666HR	290A
A666P	290A
A666Q	290A
A666QRS	290A
A666R	290A
A666S	234
A666T	234
A667-GRN	199
A667-ORG	199
A667-RED	199
A667RED	108
A667-YEL	199
A668-GRN	199
A668-ORG	199
A668-YEL	199
A669	159
A669-GRN	199
A669-YEL	199
A670	153
A670A	153
A670B	153
A670C	153
A671	378
A671-0	153
A671A	378
A671B	378
A671C	378
A671K	378
A671KA	378
A671KB	378
A671KC	378
A672	159
A672A	159
A672B	159
A672C	159
A673	290A
A673-0	290A
A673(B)	290A
A673A	290A
A673AA	290A
A673AB	290A
A673AC	290A
A673AD	290A
A673AE	290A
A673AK	290A
A673AS	290A
A673ASC	290A
A673B	290A
A673BC	290A
A673C	290A
A673C2	290A◆
A673CD	290A
A673C-Y(Trans)	290A
A673D	290A
A673-O	290A
A673WT	290A◆
A675	290A
A675A	290A
A675B	290A
A675C	290A
A677	290A
A677-5	290A
A677-6	290A
A677HL	290A
A678	290A
A678-5	290A
A678-6	290A
A678(C)	290A
A678E	290A
A678HL	290A
A679	281
A679B	281
A679R	281
A679Y	281
A680	281
A680R	281
A680Y	281
A682	374
A682-O	374
A682-Y	374
A683	294
A683Q	294
A683R	294
A683RS	294
A683S	294
A684	294
A684NC	294
A684P	294
A684Q	294
A684R	294
A684RS(Trans)	294
A684S	294
A685	290A
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A691M5	177
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A692T5	116
A692T5-0	116
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A692X16-0	116
A694X1	5022A
A694X1-0A	5022A
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A695C(BCE)	159
A695D2	298
A695D(BCE)	159
A695E(BCE)	159
A696(BCE)	290A
A696A(BCE)	290A
A696C(BCE)	290A
A696D(BCE)	290A
A696E(BCE)	290A
A697(BCE)	290A
A697C(BCE)	290A
A697D(BCE)	290A
A697E(BCE)	290A
A699	187A
A699-0	187A
A699-0R	187A
A699A	187A
A699AO	187A
A699AP	187A
A699A-Q	187A
A699AQ	187A
A699AR	187A
A699CF	187A
A699-O	187A
A699P	187A
A699Q	187A
A699R	187A
A700	153
A700B	153
A700Y	153
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A701E(ECB)	159
A701F(ECB)	159
A701FJ(ECB)	159
A701FO(ECB)	159
A701G(ECB)	159
A702(ECB)	159
A702(T03 NPN)	162
A702(T092 PNP)	234
A702E(ECB)	159
A702F(ECB)	159
A702G(ECB)	159
A703	307§
A703C	307§
A703D	307§
A703E	307§
A704	290A
A705	290A
A706	189
A706-2	189
A706-3	189
A706-4	189
A706H	189
A706J	211
A707	298
A707(Korea)	159
A707-O(Korea)	159
A707R(Korea)	159
A707V	298
A708	129
A708(Korea)	129P
A708A	129
A708B	129
A708C	129
A708-O(Korea)	129P
A708R(Korea)	129P
A708Y(Korea)	129P
A709	288
A709(CBE)	159
A712	397
A713AS	232
A713S	232
A714	219
A714C	281
A714D	281
A714E	281
A714L	281
A714LC	219
A714LD	219
A714LE	281
A715B(Trans)	185
A717	129
A718	159
A719	290A
A719-0	290A
A719A	290A
A719B	290A
A719E	290A
A719K	290A
A719P	290A
A719PQ	290A
A719PQR	290A
A719Q	290A
A719QR	290A
A719R	290A
A719RS	290A
A719S	290A
A719W	290A
A720	290A
A720A	290A
A720AP	290A
A720AQ	290A
A720AR	290A
A720AS	290A
A720NC	290A
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A720NCQ	290A
A720NCR	290A
A720NCS	290A
A720P	290A
A720Q	290A
A720QR(Trans)	290A
A720R	290A
A720S	290A
A721	234
A721S	234
A721T	234
A721U	234
A722	234
A722-S	234
A722S	234
A722T	234
A722U	234
A723	290A
A723A	290A
A723B	290A
A723C	290A
A723D	290A
A723E	290A
A723F	290A
A723R	290A
A725(BCE)	234
A725EH2AB1	125
A725F(BCE)	234
A725G(BCE)	234
A725H(BCE)	234
A725Y(BCE)	234
A725YF(BCE)	234
A725YG(BCE)	234
A725YH(BCE)	234
A726(BCE)	234
A726F(BCE)	234
A726G(BCE)	234
A726H(BCE)	234
A726S(BCE)	234
A726Y(BCE)	234
A726YF(BCE)	234
A726YG(BCE)	234
A726YH(BCE)	234
A728	290A
A728A	290A
A728AD	290A
A728AE	290A
A728AF	234
A728C	290A
A728D	290A
A728E	290A
A728F	234
A728G	234
A730	193A
A730P	193A
A730Q	193A
A730R	193A
A730S	193A
A731	193A
A731P	193A
A731Q	193A
A731R	193A
A731S	193A
A732	129
A733	290A
A733(Korea)	159
A733(P)	290A
A733A	290A
A733AK	290A
A733AP	290A
A733AQ	290A
A733AR(Trans)	290A
A733B	290A
A733C	290A
A733D	290A
A733E	290A
A733F	290A
A733G(Korea)	159
A733GR	294
A733H	290A
A733I	290A
A733IQ	290A
A733K	290A
A733-O(Korea)	159
A733P	290A
A733P1	290A
A733P2	290A
A733PQ	290A
A733Q	290A
A733QP	290A
A733R	290A
A733R(Korea)	159
A733TP(Trans)	290A
A733Y(Korea)	159
A736	129
A738B	185
A738C	185
A740	398
A740A	292
A740AB	292
A741H	106◆
A742	129
A742H	129
A743	374
A743A	374
A743AA	374
A743AB	374
A743AC	374
A743AD	374#
A743B	374
A743C	374
A743D	374#
A744	219
A745	281
A745A	281
A746	281
A747	285
A747A	285
A747B	199
A748	153
A748B	123A
A748C	199
A748O	153
A748P	153
A748Q	153
A749(ECB)	288
A749A(ECB)	288
A749B	123A
A749C	199
A750	234
A750E	234
A750F	234
A750U	234
A751	383
A751P	383
A751Q	383
A751QR	383
A751R	193A
A751RS	383
A751S	193A
A752	383
A752P	383
A752Q	383
A752R	383
A752S	383
A753	281
A753-4004-248	159
A753A	281
A753B	281
A753C	281
A754	153
A754A	153
A754B	153
A754C	153
A754D	153
A755	153
A755A	153
A755B	153
A755C	153
A755D	153
A756	88
A756A	88
A756B	88
A756C	88
A757	88
A757A	88
A757B	88
A757C	88
A758	281
A758A	281
A758B	281
A758C	281
A759A	159
A759B	159
A761-1	323◆
A761S	323◆
A762	398◆
A762-1	398◆
A762-2	398◆
A763WL	234
A764	197
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A765(Rect.)	5809
A765(Transistor)	218
A766	398
A766S	398
A768	197
A768-0	197
A768F	197
A768G(Trans)	197
A768-O	197
A768Y	153
A769	292
A770	197
A771	332
A772B1	107
A772D1	108
A772EH	107
A772FE	107
A772.01	107
A773	383
A773-1	383
A773-2	383
A774	234
A774A	234
A775	292
A775A	292
A775AA	292
A775AB	292
A775AC	292
A775B	292
A775C	292
A777	298
A777NC	298
A777R	298
A778	288
A778A	288◆
A778AF-02	288
A778AK	288
A778AK-02	288
A778K	288
A778K-02	288
A779	187◆
A779K	187◆
A779KB	187◆
A779KC	187◆
A779KD	187◆
A780AK	211◆
A780AKA	211◆
A780AKB	211◆
A780AKC	211◆
A780AKD	211◆
A781	106
A781AK	106
A785(Trans)	290A
A785P	290A
A785Q	290A
A786	290A
A786(BCE)	290A
A786Q	290A
A786R(BCE)	290A
A790(ECB)	232◆
A793	129
A794	374#
A794A	374#
A794AP	374#
A794AQ	374#
A794AR	374#
A794P	374#
A794Q	374#
A794R	374#
A795	374
A795P	374
A795Q	374
A795R	374
A798(TRANS)	43
A798F(TRANS)	43
A798G(TRANS)	43
A798H(TRANS)	43
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A800-516-00	129
A800-523-01	159
A800-523-02	159
A800-527-00	159
A800(TRANSISTOR)	395
A807	88
A808	88
A808A	88
A811(Trans)	2409
A811A(Trans)	2411
A811C5(Trans)	2409
A811C6(Trans)	2409
A811C15(Trans)	2411
A812(Trans)	2409
A812M4(Trans)	2409
A812M5(Trans)	2409
A812M6(Trans)	2409
A812M7(Trans)	2409
A814	292
A814-O	292
A814-Y	292
A815	292
A815-O	292
A815-Y	292
A816	398
A816-O	398
A816-Y	398
A817(Trans)	290A
A817A(Trans)	290A
A817AO(Trans)	290A
A817AY(Trans)	290A
A817O(Trans)	290A
A817Y(Trans)	290A
A818(Trans)	240
A820(ECB)	288
A820N(ECB)	288
A820P(ECB)	288
A821(Trans)	288
A825	290A
A825(Trans)	14
A825P	14
A825P(Trans)	290A
A825Q	14
A825R	290A
A826	290A
A826P	290A
A826Q	290A
A826R	290A
A826RY	290A
A826S	290A
A829	159
A829A	159
A829B	159
A829C	159
A829D	159
A829E	159
A829F	159
A830(Trans)	2342
A830-S(Trans)	2342
A833	159
A836	234
A836C	234
A836D	234
A836E	234
A836F	290A
A837	88
A838(ECB)	159
A838A(Korea)	123AP
A838AO(Korea)	123AP
A838AR(Korea)	123AP
A838AY(Korea)	123AP
A838B(ECB)	159
A838C(ECB)	159
A839	398◆
A839-O	398◆
A839R	398◆
A839Y	398◆
A840	288◆
A840K	383◆
A840LC	288
A840LL	288
A841	234
A841-BL	234
A841BL	234
A841-GR	234
A842	234
A842-BL	234
A842GR	234
A842-GR	234
A843	398
A843P	398
A843Q	398
A844	234
A844B	234
A844C	234
A844D	234
A844E	234
A844F	234
A845A	288
A845AH	288
A845H	288
A845Q	288◆
A847(BCE)	91
A847A(BCE)	91
A850	298
A850(BCE)	290A
A850C(BCE)	290A
A850D(BCE)	290A
A854	290A
A854A	290A
A854Q	290A
A854QE	290A
A854QV	290A
A854QZ(Trans)	290A
A854R	290A
A854RY	290A
A858	288
A869	159
A872(Trans)	91
A874(Trans)	19◆
A874M	19
A874MP	19
A874MQ	19
A874MR	19
A874P	19◆
A874P(Trans)	290A◆
A874Q	19◆
A874R	19◆
A876	159
A876A	159
A876B	159
A876C	159
A876H	159
A876HA	159
A876HB	159
A876HC	159
A877	88
A878	88
A879(ECB)	288
A879P(ECB)	288
A879Q(ECB)	288
A880	234
A880-250-107	129
A880S	234
A880T	234
A880U	234
A881(Trans)	21◆
A881P	21◆
A881Q	21◆
A881R(Trans)	21◆
A882	281
A883(ECB)	159◆
A885	374#
A885P	374#
A885Q	374#
A885R	374#
A886	374#
A886NQ	374#
A886NR	374#
A886O	374#
A886P	374#
A886Q	374#
A886QBF	185
A886QR	185
A886R	374#
A886V	374#
A886VQ	374#
A886VR	374#
A887(ECB)	187
A887O(ECB)	187
A887P(ECB)	187
A887Q(ECB)	187

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A887R(ECB)	187
A888	159
A888O	159
A888P	159
A888Q	159
A888R	159
A888S	159
A889	159
A889O	159
A889P	159
A889Q	159
A889R	159
A889S	159
A890	159
A890P	159
A890Q	159
A890R	159
A890S	159
A891	294
A891P	159
A891Q	159
A891R	159
A891S	159
A892	262
A893	91
A893A	91
A893AD	91
A893AE	91
A893AF	91
A893D	91
A893F	91
A896(ECB)	288
A898	374
A900	374#
A900Q	374#
A900R	374#
A900S	374#
A901(BCE)	234
A901F(BCE)	234
A901G(BCE)	234
A904(BCE)	234
A904A(BCE)	234
A905(BCE)	234
A906(BCE)	234
A906F(BCE)	234
A906G(BCE)	234
A907	180
A908	285
A909	285◆
A909-1008	160
A909-1009	126A
A909-1010	126A
A909-1011	102A
A909-1012	102A
A909-1013	102A
A909-1015	109
A909-1016	110MP
A909-1017	109
A909-1018	116
A909-1019	116
A909-27125-160	108
A912Q	288
A912R	288
A912S	288
A913	398
A913AP(Trans)	398◆
A913AQ(Trans)	398◆
A913AR(Trans)	398◆
A913AS(Trans)	398◆
A913P	398
A913Q	398
A913R	398
A914	374#
A914P	374#
A914Q	374#
A914R	374#
A915	288
A915(ECB)	288
A915K(ECB)	288
A915L(ECB)	288
A915M(ECB)	288
A916	288
A916-31025-5B	108
A916-31025-58	108
A916(ECB)	288
A916K(ECB)	288
A916L(ECB)	288
A916M(ECB)	288
A917	383
A920(Trans)	240
A921-59B	108
A921-62B	108
A921-63B	108
A921-64B	108
A921-70B	159
A921A	234
A921AQ	234
A921AR	234
A924	289A
A924B	289A
A924C	289A
A925-1	106
A925-2	106
A927	290A
A928	25
A928-O	25
A928Y	25
A928YT	25
A930(Trans)	234
A930G(Trans)	234
A931	129P
A931-O	129P
A931R	129P
A933	290A
A933A(TRANS)	290A
A933AQ	290A
A933AR	290A
A933LN(TRANS)	234
A933LNR(TRANS)	234
A933LNS(TRANS)	234
A933P(TRANS)	290A
A933Q(TRANS)	290A
A933QL(Trans)	290A
A933QV(Trans)	290A
A933RA(Trans)	290A
A933RC(Trans)	290A
A933RK(Trans)	290A
A933RZ(Trans)	290A
A933S(Q)	290A
A933S(Q)-Y	290A
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A6509240	290A
A6531140	290A
A6531540	234
A6532300	398
A6532320	398
A6532841	162
A6532921	129
A6532941	290A
A6533240	294
A6533730	378
A6533750	32
A6534020	290A
A6534021	290A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
A6534040	290A
A6534045	290A
A6534060	290A
A6534063	290A
A6534120	25
A6534125	25
A6534430	290A◆
A6534440	290A
A6546025	37
A6610140	153
A6610160	153
A6623870	373
A6633620	153
A6639320	378
A6707244	123AP
A6708760	316
A6708850	233
A6708861	85
A6708871	85
A6716560	295
A6733280	199
A6733340	199
A6733540	289A
A6733560	289A
A6734590	85
A6734592	85
A6737940	229
A6738040	229
A6738701	162
A6754170	199
A6770960	297
A6771373	238
A6773802	94
A6773812	94
A6789710	376
A6823540	152
A6823560	152
A6841063	3098
A6841440	196
A6841460	152
A6842185	377
A6843401	175
A6844100	261◆
A6846005	86
A6846006	86
A6846701	389
A6846801	165
A6846806	165
A6846860	165
A6847905	89
A6848004	89
A6848103	89
A6848520	152
A6848908	56
A6852901	2330
A6865553	238
A6867051	2335
A6867970	56#
A6868654	2302
A6868702	2302
A6868706	2302
A6868757	2302
A7000900	109
A7001800	109
A7001957	109
A7102001	552
A7109304	5005A
A7109395	5007A
A7109432	5008A
A7109433	5008A
A7109473	5009A
A7109890	5013T1
A7110015	5014A
A7110016	5011T1
A7110017	5011T1
A7110018	5011T1
A7110021	5010A
A7110023	5010A
A7110040	5010A
A7110041	5010T1
A7110052	5013A
A7110055	5013A
A7110076	5013T1
A7110077	5013T1
A7110102	5014A
A7110114	5014A
A7110115	5014A
A7110116	5014A
A7110151	5015A
A7110159	5015A
A7110160	5015A
A7110207	5016A
A7110209	5016A
A7110263	5018A
A7110359	5010T1
A7110360	141A
A7110410	5021A
A7110411	5021T1
A7110412	5021A
A7110461	5022A
A7110462	5022A
A7110503	5024A
A7110508	145A
A7110509	5024A
A7110563	5025A
A7110633	5029A
A7110634	5029A
A7110645	5030A
A7110743	5036A
A7115615	5003A
A7116105	5008A
A7116115	5008A
A7116205	5009A
A7116215	5009A
A7116305	5010T1
A7116315	5010T1
A7116405	5011T1
A7116415	5011T1
A7116515	5013T1
A7116615	5014A
A7116625	5014A
A7116705	5014A
A7116725	5015A
A7116805	5016A
A7116825	5016A
A7116915	5018A
A7116925	5018A
A7117005	5019T1
A7117205	5021T1
A7117215	5021T1
A7117425	5024A
A7117715	5028A
A7150041	177
A7150258	519
A7150351	519
A7151450	591
A7151500	590
A7160570	519
A7160590	519
A7246602	177
A7246653	177
A7246703	177
A7246711	177
A7246727	177
A7246771	177
A7246950	5007A
A7249601	519
A7252802	614
A7252805	614
A7252824	614
A7270300	138A
A7272130	5093A
A7272143	5093A
A7279039	121
A7279049	121
A7283550	519
A7285774	121
A7285778	121
A7285900	5011A
A7286100	137A
A7286107	5013A
A7286120	5013A
A7286201	5071A
A7286300	5071A
A7287100	5019A
A7287500	142A
A7287513	142A
A7288504	5081A
A7289000	611
A7289047	121
A7289800	506
A7290594	121
A7291252	121
A7297043	121
A7297092	121
A7297093	121
A7509201	116
A7568160	552
A7568250	552
A7568300	552
A7568460	552
A7568475	552
A7568476	552
A7568487	552
A7568500	116
A7568521	116
A7568600	116
A7568615	116
A7568700	125
A7568719	116
A7568752	116
A7568754	116
A7568800	116
A7570013-01	159
A7572100	116
A7572200	116
A7576004-01	159
A7579500	558
A7580110	125
A7580111	125
A7580310	156
A7580656	580
A7580660	580
A7580910	506
A7582000	506
A7671002	5312
A7682012	113A
A7682052	116(2)
A7801021(GAK)	5402
A7801166(GAK)	5405
A7803610	5465
A7978850	552
A7978855	552
A7986480	116
A8015613	129
A8052035	3033
A8641063	3098
A8643100	3098
A8652035	3033
A-11095924	123A
A11159761	519
A-11166527	130
A11200482	159
A-11237336	123A
A11414257	123A
A-11790169	519
A13040347	103A + 102A(CP)
A-18530053-1	218
A20030703-0702	159
A23114050	159
A23114051	159
A23114550	159
A23119548	1684
A25114130	154
A43021415	123A
A43023843	130
A43023845	159
A65447300	39◆
A67531140	290A
A80052402	130
A80414120	130
A80414130	130
A2013500281	85
AA015	112
AA1	100
AA1A4M	2355
AA1F4M	2357
AA1L3M	2367
AA1L4M	2359
AA1M	225
AA2	101
AA2A	225
AA2K	225
AA2SB240A	121
AA2Z	225
AA3	160
AA3M	225
AA4	121
AA5	105
AA8-1-70	160
AA8-1-705	160
AA8-1A9G	160
AA10	147A
AA10-1	147A
AA50	116
AA100	116
AA101	5402
AA102	5404
AA107	5401
AA108	5402
AA109	5402
AA111	109
AA112	109
AA112P	109
AA113	109
AA114	109
AA115	5402
AA116	109
AA116(SCR)	5404
AA117	109
AA118	109
AA119	109
AA120	109
AA121	109
AA123	109
AA130	109
AA131	109
AA132	109
AA133	225
AA133(Diode)	109
AA134	109
AA135	109
AA136	109
AA137	109
AA138	109
AA139	109
AA140	109
AA142	109
AA143	109
AA143S	109
AA144	109
AA200	116
AA218	109
AA300	116
AA310	225
AA400	116
AA500	116
AA600	116
AA779	109
AA800	125
AA1000	125
AA1024-A1	1574
AA1025-A1	840
AA1025-A2	840
AA113852-2	909
AAIA4M	2355
AAIF4M	2357
AAIL4M	2359
AAY10-120	5874
AAY11	519
AAY15	109
AAY18	109
AAY-22	116
AAY22	109
AAY27	109
AAY30	109
AAY33	109
AAY46	109
AAY139	109
AAZ10	109
AAZ15	109
AAZ18	109
AAZ18D	116
AB35H	189
AB50	156
AB100	156
AB200	156
AB300	156
AB400	156
AB500	156
AB600	156
AB700	156
AB800	156
AB1000	156
AB2027	146A
AB4164ANP-15	2164
AC03BGM	5629
AC03BGML	5629
AC03BGMR	5629
AC03DGML	5629
AC03DGMR	5629
AC03DSM	5620
AC05DGM	5608
AC05DSM	5620
AC05EGM	5609
AC05ESM	5620
AC05FGM	5609
AC05FSM	5620
AC06BGR	5673
AC06BT	56004
AC06DSR	5675
AC06DT	56006
AC08BGM	5633
AC08BGML	5633
AC08BGR	5633
AC08DGM	5635
AC08DGML	5635
AC08DGMR	5635
AC08DSM	5620
AC08EGM	5637
AC08EGML	5637
AC08EGMR	5637
AC08ESM	5620
AC08FGM	5637
AC08FGML	5637
AC08FGMR	5637
AC08FSM	5620
AC10BGM	5633
AC10BGML	5633
AC10BGMR	5633
AC10BSR	5673
AC10BT	56004
AC10DGM	5635
AC10DGMR	5635
AC10DSM	5671
AC10DSR	5675
AC10DT	56006
AC10EGM	5637
AC10EGML	5637
AC10EGMR	5637
AC10ESM	5671
AC10FGM	5637
AC10FGML	5637
AC10FGMR	5637
AC10FSM	5671
AC12BGM	56004
AC12BGML	56004
AC12BGMR	56004
AC12DGM	56006
AC12DGML	56006
AC12DGMR	56006
AC12DSM	5671
AC12EGM	56008
AC12EGML	56008
AC12EGMR	56008
AC12ESM	5671
AC12FGM	56008
AC12FGML	56008
AC12FGMR	56008
AC12FSM	5671
AC16BGDS	5673
AC16D1FM	5679
AC16DGDS	5675
AC16DGM	56006
AC16DSM	5671
AC16EGDS	5677
AC16EGM	56008
AC16FGDS	5677
AC16FGM	56008
AC16FSM	5671
AC30	156
AC50	156
AC50(DIODE)	177
AC50(Rectifier)	5800
AC100	156
AC100(Philco)	283
AC105	102A
AC106	102A
AC107	160
AC-107	102A
AC107M	160
AC108	102A
AC109	102A
AC110	102A
AC-113	102A
AC113	102A
AC-113A	102A
AC-114	102A
AC114	102A
AC115	102A
AC116	102A
AC-116	102A
AC-117	102A
AC117	102A
AC117A	102A
AC-117A	102A
AC117B	102A
AC117P	102A
AC-117P	102A
AC118	102A
AC119	102A
AC120(Surge Arrester)	15049AC
AC121	102A
AC121-IV	102A
AC-121IV	102A
AC121V	102A
AC121-V	102A
AC121VI	102A
AC121-VI	102A
AC121VII	102A
AC121-VII	102A
AC-122	102A
AC122	102A
AC122-30	102A
AC122GRN	102A
AC122RED	102A
AC122YEL	102A
AC123	102A
AC-123	102A
AC124	102A
AC-125	102A
AC125	102A
AC-126	102A
AC126	158
AC-127	103A
AC127	103A
AC127-01	103A
AC127/01	103A
AC127-132	103A
AC127/AC132	103A + 102A(CP)
AC127/K	103A
AC128	158
AC-128	102A
AC128/01	158
AC128-01	158
AC128K	158
AC129	160
AC130	101
AC131	102A
AC131-30	158
AC-132	102A
AC132	102A
AC132-01	102A
AC133A	102A
AC134	102A
AC135	102A
AC136	102A
AC137	102A
AC138	158
AC139	158
AC141	103A
AC141B	103A
AC-141B	103A + 158(CP)
AC-141K	103A + 158(CP)
AC141K	103A
AC142	158
AC142K	158
AC148	121
AC-150	102A
AC150	102A
AC150GRN	102A
AC150YEL	102A
AC151	102A
AC-151	102A
AC151-IV	102A
AC151IV	102A
AC151R	102A
AC151-RIV	102A
AC151RIV	102A
AC151-RV	102A
AC151RV	102A
AC151RVI	102A
AC151-RVI	102A
AC151V	102A
AC151-V	102A
AC151VI	102A
AC151-VI	102A
AC151-VII	102A
AC151VII	102A
AC-152	102A
AC152	102A
AC152IV	158
AC152-IV	102A
AC152-V	102A
AC152V	102A
AC152-VI	102A
AC152VI	102A
AC153	158
AC153K	158
AC154	158
AC-154	102A
AC155	102A
AC-155	102A
AC-156	102A
AC156	102A
AC157	103
AC-157	103A
AC160	102A
AC160A	102A
AC160B	102A
AC160GRN	102A
AC160RED	102A
AC160YEL	102A
AC-161	102A
AC161	102A
AC162	102A
AC-162	102A
AC163	102A
AC164	126A
AC-165	102A
AC165	102A
AC166	158
AC-166	102A
AC-167	102A
AC167	158
AC168	102A
AC-168	102A
AC169	126A
AC-169	102A
AC170	102A
AC171	102A
AC172	103A
AC-172	103A
AC173	102A
AC175	103A
AC-175A	103A
AC-175B	103A
AC-175P	103A
AC176	103A
AC176K	158
AC178	158
AC179	103A
AC180	158
AC180K	158
AC181	103A
AC181K	103A
AC182	102A
AC-183	158 + 103(CP)
AC183	103A
AC184	102A
AC185	103A
AC186	103A
AC-186	158 + 103(CP)
AC187	103A
AC187/01	103A
AC187D	103A
AC187K	410/103AS
AC187R	103A
AC188	158
AC188/01	158
AC188D	158
AC188K	410/158S
AC191	102A
AC192	102A
AC193	158
AC193K	158
AC194	103A
AC194K	103A
AC200	156
AC240(Surge Arrester)	15050AC
AC300	5804
AC400	5804
AC500	5806
AC600	5806
AC800	5808
AC1000	5809
AC9082	159
AC9083	159
AC9084	159
AC9085	159
AC12801	158
AC18701	103A
AC18801	158
ACDC9000-1	159
AC-N7B	102A
ACO3DSM	5620
ACO5DGM	5608
ACO5DSM	5620
ACO5EGM	5609
ACO5ESM	5620
ACO5FGM	5609
ACO5FSM	5620
ACO6BSR	5673
ACO6BT	56004
ACO6DSR	5675
ACO6DT	56006
ACO8BGM	5633
ACO8BGML	5633
ACO8BGR	5633
ACO8DGM	5635
ACO8DGML	5635
ACO8DGMR	5635
ACO8DSM	5620
ACO8EGM	5637
ACO8EGML	5637
ACO8EGMR	5637
ACO8ESM	5620
ACO8FGM	5637
ACO8FGML	5637
ACO8FGMR	5637
ACO8FSM	5620
ACR83-1001	126A
ACR83-1002	126A
ACR83-1003	126A
ACR83-1004	100
ACR83-1005	100
ACR83-1006	100
ACR83-1007	109
ACR83-1008	116
ACR810-101	126A
ACR810-102	126A
ACR810-103	126A
ACR810-104	100
ACR810-105	100
ACR810-106	100
ACR810-107	109
ACR810-108	116
ACY16	102A
ACY17	102A◆
ACY-17	102A◆
ACY17-1	102A◆
ACY-18	102A◆
ACY18	102A◆
ACY18-1	102A◆
ACY19	102A◆
ACY-19	102A◆
ACY19-1	102A◆
ACY-20	102A◆
ACY20	102A◆
ACY20-1	102A◆
ACY21	102A◆
ACY-21	102A◆
ACY21-1	102A◆
ACY22	102A◆
ACY-22	102A◆
ACY22-1	102A◆
ACY-23	102A◆
ACY23	102A◆
ACY23V	102A◆
ACY23-V	102A◆
ACY23VI	102A
ACY23-VI	102A◆
ACY24	160
ACY-32	102A
ACY32	102A
ACY32V	102A
ACY32-V	102A
ACY32VI	102A
ACY32-VI	102A
ACY33	158
ACY33-VI	158
ACY33VI	158
ACY33VII	158
ACY33-VII	158
ACY33-VIII	158
ACY34	102A
ACY35	102A
ACY36	102A
ACY38	102A
ACY40	102
ACY41	102
ACY41-1	102A
ACY44-1	102A
ACZ	160
AD-1UF	116
AD8	506
AD10	116
AD29	156
AD29A-4	159
AD29A-5	159
AD29A-6	159
AD29A-9	159
AD-29B	506
AD29E-1	159
AD29E-2	159
AD29E4	159
AD29E5	159
AD29E6	159
AD29E7	159
AD29E8	159
AD29E9	159
AD29E10	159
AD29S	506
AD-29S	506
AD30	177
AD30A1	159
AD30A2	159
AD30A3	159
AD30A4	159
AD30A5	159
AD50	116
AD100	116
AD100(Diode)	177
AD103	179
AD104	179
AD105	179
AD130	121
AD130/3	121
AD130/4	121
AD130/5	121
AD130-III	121
AD130-IV	121
AD130-V	121
AD131	121
AD131/3	121
AD131/4	121
AD131/5	121
AD131-III	121
AD131-IV	121
AD131-V	121
AD132	121
AD132-1V	121
AD132/2	121
AD132/3	121
AD132/4	121
AD132/5	121
AD132-11	121
AD132-111	121
AD132-V	121
AD133	179
AD138	121
AD138/50	121
AD140	121
AD-140	121
AD142	179
AD143	121
AD143B	121
AD143R	121
AD145	121
AD145-4	121
AD145-5	121
AD145-6	121
AD-149	121
AD149	104
AD149-01	121
AD149-02	121
AD149-4	121
AD149-5	121
AD149B	121
AD149C	121
AD149-IV	121
AD149V	121
AD149-V	121
AD-150	121
AD150	121
AD150-4	121
AD150-5	121
AD150(Diode)	177
AD150-IV	121
AD150-V	121
AD150V	121
AD-152	131
AD152	131
AD152P	131
AD153	121
AD153X	121
AD153Y	121
AD155	131
AD-156	131
AD156V	131
AD156V1	131
AD157	155
AD-157	155
AD157V	155
AD157V1	155
AD161	155
AD162	131
AD164	131
AD165	155
AD166	127
AD167	127
AD169	131
AD200	116
AD200(Diode)	177
AD301AN	975
AD308H	938
AD558(Timer)	926
AD710CH	910
AD710CN	910D
AD741C	941
AD741CH	941
AD741CN	941D
AD741KH	941
AD741KN	941M
AD1408-7	2056
AD1408-7D	2056
AD1491V	121
AD1501V	121
AD4001	116
AD4002	125
AD4003	125
AD4004	125
AD4005	125
AD4006	125
AD4007	125
AD7516	4016B
AD7516JN	4016B
ADC0802LCD	2053◆
ADC0802LCN	2053◆
ADC0803LCD	2053
ADC0803LCN	2053
ADC0804CPL	2053
ADC0804LCD	2053
ADC0804LCN	2053
ADC0805CN	2053
ADC0805LCN	2053
ADD3501	2052
ADD3501CCN	2052
ADD3501ELC	2052
ADX0214	137A
ADX1103	5046A
ADX1148	116
ADX1152	519
ADX1364	519
ADX1473	5007A
ADX1474	5801
ADX1518	5002A
ADY22	121
ADY23	121
ADY24	121
ADY-26	105
ADY26	213
ADY27	121
ADY-27	121
ADY27/4	121
ADY27/5	121
ADY27V	121
ADY28	121
ADY271V	121
ADZ11	105
ADZ12	105
AE1A	156
AE1B	156
AE1C	156
AE1D	156
AE1E	156
AE1F	156
AE1G	156
AE3A	5800
AE3B	5801
AE3C	5802
AE3D	5804
AE3E	5806
AE3F	5808
AE3G	5809
AE10	177

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
AE30	177
AE-50	102A
AE50	177
AE100	177
AE150	177
AE200	177
AE301	548
AE320	1232
AE900	786§
AE902	786§
AE-904	743
AE904	743
AE-904-01	743
AE904-01	743
AE904-02	743
AE-904-03	743
AE904-03	743
AE-904-3	743
AE904-3	743
AE904-53	743
AE-906	726
AE906	726
AE906-51	726
AE907	737§
AE-907	737§
AE907-51	737§
AE908	789
AE908-51	789
AE920	1232
AE920-1	1232
AE-920-1	1288
AE-920-2	1288
AE-920-3	1288
AE920-4	1232
AE-920-4	1288
AE-920-5	1288
AE920-5	1232
AE920-6	1232
AE-920-6	1288
AE-920-7	1288
AE920-7B	1288
AE-920-8	1288
AE920-8	1288
AE-920-9	1288
AE920-10	1288
AE-920-10	1288
AE-920-11	1288
AE920-11	1288
AE-920-12	1288
AE920-12	1288
AE-920-13	1288
AE920-13	1288
AE920-14	1288
AE-920-14	1288
AE-920-15	1288
AE920-15	1288
AE920-16	1288
AE-920-16	1288
AE-920-17	1288
AE920-17	1288
AE920-18	1288
AE-920-18	1288
AEX9846	130
AEX79846	130
AEX-85715	129
AF1(Diode)	506
AF-101	100
AF101	160
AF102	160
AF105	126A
AF105A	160
AF-105A	160
AF106	160
AF106A	160
AF107	160
AF108	126A
AF-109	160
AF109	160
AF109R	160
AF110	160
AF111	160
AF112	160
AF113	160
AF114	126A
AF114N	160
AF115	126A
AF115N	160
AF116	126A
AF116N	160
AF117	126A
AF117C	160
AF117N	160
AF119	160
AF120	126A
AF-121	160
AF121	160
AF121/01	160
AF121S	160
AF122	160
AF124	160
AF125	126A
AF126	126A
AF127	126A
AF127/01	160
AF128	160
AF129	126A
AF130	126A
AF131	126A
AF132	126A
AF133	126A
AF134	126A
AF135	126A
AF136	126A
AF137	126A
AF137A	160
AF138	126A
AF138/290	100
AF139	160
AF142	160
AF143	160
AF144	126A
AF146	160
AF147	160
AF148	160
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AF185	160
AF186	160
AF186G	160
AF186W	160
AF187	102A
AF188	102A
AF192	101
AF193	160
AF200	160
AF200U	160
AF201	160
AF201C	160
AF201U	160
AF202	160
AF202L	160
AF202S	160
AF239	160
AF239S	160
AF240	160
AF243HJ	465
AF251	160
AF252	160
AF253	160
AF256	160
AF306	160
AF699	159
AF3570	159
AF3590	159
AF21490	159
AFCS1170F	159
AFS-160-1017	109
AFS-160-1020	110MP
AFS-160-1021	116(4)
AFS24226	159
AFT0019M	159
AFT052	159
AFT1341	159
AFT1746	159
AFY10	126A
AFY11	126A
AFY12	160
AFY14	160
AFY15	160
AFY16	160
AFY18	126A
AFY18C	160
AFY18D	160
AFY18E	160
AFY19	126A
AFY34	160
AFY37	160
AFY39	160
AFY40	160
AFY40K	160
AFY40R	160
AFY41	160
AFY42	160
AFZ11	160
AFZ12	160
AFZ23	100
AG01	552
AG01A	552
AG01Y	587
AG01Z	587
AG6	188
AG30	177
AG100D	116
AG100G	116
AG100J	116
AG134	126A
AGH-001	1212§
AGH001	1212§
AGH002	1212§
AGH-002	1212§
AGH-003	1341§
AH01	552
AH01A	552
AH01Z	552
AH14	125
AH394-40-0951	125
AH805	125
AH810	125
AH815	125
AH961/052N612	378 + 377(CP)
AH961/15T/MJE9	185
AH961/15T/MPS9	229
AH1005	125
AH1010	125
AH1015	125
AHT800031C0	229
AIE	161
AJ5	116
AJ10	116
AJ15	116
AJ20	116
AJ25	116
AJ-30	116
AJ30	116
AJ35	116
AJ40	116
AJ50	116
AJ60	116
AJ103	179
AK03	585
AK04	585
AK06	578
AK09	578
AK74156	74156
AKR320/16UNF	6106
AL01Y	587
AL01Z	587
AL100	127
AL101	121
AL102	127
AL103	127
AL113	179
AL210	160
AL80130	1112
ALB6494612	196
ALC1	113A
ALC-1A	178MP
ALC1A	113A
ALCI	113A
ALD-35	123A
ALD-3141	123A
ALS-8922	123A
ALZ10	100
AM005	116
AM01	116
AM01A	116
AM01M	116
AM01Z	116
AM-010	116
AM010	116
AM020	116
AM-020	116
AM025	116
AM-025	116
AM-030	116
AM030	116
AM-035	116
AM035	116
AM040	116
AM050	116
AM060	116
AM-060	116
AM06200012	5014A
AM06200013	519
AM06200014	552
AM06200017	109
AM06200065	5801
AM06200076	503
AM1	5830
AM2	5830
AM3	116
AM4	5830
AM5	5830
AM-6-5	116
AM9LS298PC	74LS298
AM11	5834
AM12	5834
AM13	116
AM21	5834
AM-22	116
AM22	5834
AM23	116
AM24	5834
AM26L02PC	96L02
AM26LS31CN	2631
AM26LS31DC	2631◆
AM26LS31PC	2631
AM26LS32CN	2632
AM26LS32DC	2632◆
AM26LS32PC	2632
AM27S12	74S570
AM27S12D	74S570
AM27S12DC	74S570
AM27S13	74S571
AM27S13D	74S571
AM27S13DC	74S571
AM27S18	74S188
AM27S18DC	74S188
AM27S18DD	74S188
AM27S19	74S288
AM27S19D	74S288
AM27S19DC	74S288
AM27S20	74S387
AM27S20D	74S387
AM27S20DC	74S387
AM27S21	74S287
AM27S21D	74S287
AM27S21DC	74S287
AM27S28	74S473
AM27S28D	74S473
AM27S28DC	74S473
AM27S29	74S472
AM27S29D	74S472
AM27S29DC	74S472
AM27S30	74S475
AM27S30D	74S475
AM27S30DC	74S475
AM27S31	74S474
AM27S31D	74S474
AM27S31DC	74S474
AM27S32	74S572
AM27S32D	74S572
AM27S32DC	74S572
AM27S33	74S573
AM27S33D	74S573
AM27S33DC	74S573
AM27S180	74S479
AM27S180D	74S479
AM27S180DC	74S479
AM27S181	74S478
AM27S181D	74S478
AM27S181DC	74S478
AM27S185	74S454
AM27S185D	74S454
AM27S185DC	74S454
AM31	5838
AM32	5838
AM-33	116
AM33	116
AM34	5838
AM41	5838
AM42	5838
AM43	116
AM44	5838
AM51	5842
AM52	5842
AM53	116
AM54	5842
AM63	116
AM64	5842
AM65	116
AM66	116
AM74LS138	74LS138
AM74LS138N	74LS138
AM74LS148N	74LS148
AM74LS151	74LS151
AM74LS153	74LS153
AM74LS157	74LS157
AM74LS158PC	74LS158
AM74LS160	74LS160A
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AM74LS160P	74LS160A
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AM74LS162	74LS162A
AM74LS162D	74LS162A
AM74LS162P	74LS162A
AM74LS163	74LS163A
AM74LS170	74LS170
AM74LS170D	74LS170
AM74LS170P	74LS170
AM74LS174	74LS174
AM74LS175	74LS175
AM74LS175N	74LS175
AM74LS190	74LS190
AM74LS190D	74LS190
AM74LS190P	74LS190
AM74LS191	74LS191
AM74LS192	74LS192
AM74LS192D	74LS192
AM74LS192P	74LS192
AM74LS193	74LS193
AM74LS195A	74LS195A
AM74LS240	74LS240
AM74LS241	74LS241
AM74LS253	74LS253
AM74LS257	74LS257
AM74LS258	74LS258
AM74LS258D	74LS258
AM74LS258P	74LS258
AM74LS273	74LS273
AM74LS299N	74LS299
AM74LS374PC	74LS374
AM74LS377	74LS377
AM74LS670	74LS670
AM74LS670C	74LS670
AM74LS670D	74LS670
Am93L08DC	93L08
AM93L08DC	93L08
Am93L08DM	93L08◆
AM93L08DM	93L08◆
AM93L16DC	93L16
Am93L16DC	93L16
Am93L16DM	93L16◆
AM93L16DM	93L16◆
Am93L16PC	93L16
AM93L16PC	93L16
AM224D	987
AM300	177
AM300A	177
AM301	177
AM301A	177
AM302	177
AM302A	177
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AM303A	177
AM304	177
AM304A	177
AM305	177
AM305A	177
AM306	177
AM306A	177
AM307	177
AM307A	177
AM308	177
AM308A	177
AM324D	987
AM324N	987
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AM410	116
AM415	116
AM420	116
AM425	116
AM430	116
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AM440	116
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AM460	116
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AM620A	177
AM626	177
AM626A	177
AM632	177
AM632A	177
AM733DC	927D
AM733HC	927
AM741CT	941
AM748CT	1171
AM2708C	2708
AM2708DC	2708
AM2708PC	2708
AM2716C	2716
AM2716DC	2716
AM2716PC	2716
AM2764ADC	2764
AM3212	8212
AM3212D	8212
AM3212P	8212
AM3216	8216
AM3216D	8216
AM3216P	8216
AM3235	130
AM8080A	8080A
AM8080AC	8080A
AM8080ACP	8080A
AM8080AP	8080A
AM8212	8212
AM8212C	8212
AM8212CP	8212
AM8216	8216
AM8216P	8216
AM8216PC	8216
AM8224D	8224
AM8224DC	8224
AM8224P	8224
AM8224PC	8224
AM8228	8228
AM8228D	8228
AM8228DC	8228
AM8228P	8228
AM8228PC	8228
AM8255	8255
AM8255A-5PC	8255
AM8255D	8255
AM8255DC	8255
AM8255P	8255
AM8255PC	8255
AM9016C	2117
AM9016CDC	2117
AM9016CPC	2117
AM9016D	2117
AM9016DDC	2117
AM9016DPC	2117
AM9016E	2117
AM9016ECP	2117
AM9016EDC	2117
AM9016EPC	2117
AM9060	2107
AM9060C	2107
AM9060CDC	2107
AM9060CPC	2107
AM9060D	2107
AM9060DDC	2107
AM9060DPC	2107
AM9060E	2107
AM9060EDC	2107
AM9060EPC	2107
AM9080A	8080A◆
AM9080ACP	8080A◆
AM9102	2102
AM9102A	2102
AM9102ADC	2102
AM9102APC	2102
AM9102B	2102
AM9102BDC	2102
AM9102BPC	2102
AM9102C	2102
AM9102CDC	2102
AM9102CPC	2102
AM9102DC	2102
AM9102PC	2102
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AM9114C	2114
AM9114CDC	2114
AM9114CPC	2114
AM9114DC	2114
AM9114PC	2114
AM9128-15DC	2128
AM9128-15DCB	2128
AM9128-15DM	2128
AM9128-15PC	2128
AM9128-15PCB	2128
AM9128-20DC	2128
AM9128-20DCB	2128
AM9128-20DM	2128
AM9128-20DMB	2128
AM9128-20PC	2128
AM9128-20PCB	2128
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AM9147-70	2147
AM9147D-55	2147
AM9147D-70	2147
AM9147P-55	2147
AM9147P-70	2147
AM9308DC	8308
Am9308DC	8308
Am9308DM	8308
Am9308DM	8308◆
Am9308PC	8308
Am9308PC	8308
AM9314DC	8314
Am9314DC	8314
Am9314DM	8314◆
Am9314DM	8314
AM9314PC	8314
Am9314PC	8314
Am9316DC	8316
Am9316DM	8316◆
Am9316DM	8316◆
Am9316PC	8316
AM9316PC	8316
AM9318DC	8318
Am9318DC	8318
AM9318DM	8318◆
AM9318DM	8318◆
Am9318PC	8318
AM9318PC	8318
AM9321DC	8321
Am9321DC	8321
AM9321DM	8321◆
Am9321DM	8321◆
Am9321PC	8321
Am9615DC	9615
AM9615DC	9615
AM9615DM	9615◆
AM9615DM	9615◆
Am9615PC	9615
AM9615PC	9615
AM161011H	123AP
AM161011J	123AP
AM161015H	290A
AM161016H	123AP
AM161038H	123AP
AM161039H	123AP
AM161041H	289A
AM161043H	153
AM161044E	375
AM161050H	290A
AM162005A	116
AM167001A	712
AM167013A	749
AM167014A	747
AMD-746	790
AMD746	790
AMD780	714
AMD781	715
AMF104	130
AMF105	130
AMF106	163A
AMF115	130
AMF116	130
AMF117	130
AMF117A	130
AMF118	130
AMF118A	130
AMF119	130
AMF119A	130
AMF120	130
AMF120A	130
AMF-121	130
AMF201	130
AMF201B	181
AMF201C	181
AMF210	130
AMF210A	130
AMF210B	181
AM-G-5	116
AM-G-5A	125
AM-G-5C	125
AM-G-10	116
AM-G-11	170
AM-G22	116
AM-G-22	116
AMLM201	1171
AMLM201A	1171
AMLM301	1171
AMLM301A	1171
AMLM308A	938
AMLM310	924
AMLM319N	919D
AMLM348N	948
AMP2919-2	130
AMP2970-2	129
AMP-2971-4	128
AMU5B7741393	941
AMU5B7747393	947
AMU5R7723393	923
AMU6A7723393	923D
AMU6A7741393	941D
AMX3548	923D
AMX3550	74LS00
AMX3551	74LS02
AMX3552	74LS04
AMX3553	74LS05
AMX3554	74LS11
AMX3555	74LS20
AMX3556	74LS30
AMX3557	74LS32
AMX3558	74LS74A
AMX3560	74LS93
AMX3561	74LS132
AMX3562	74LS153
AMX3563	74LS157
AMX3564	74LS166
AMX3565	74LS174
AMX3566	74LS175
AMX3567	74LS367
AMX3568	74LS368
AMX3573	75452B
AMX3582	291
AMX3583	123AP
AMX3584	159
AMX3586	3880
AMX3655	7404
AMX3675	7406
AMX3683	7438
AMX3684	7407
AMX3688	927D
AMX3698	74LS08
AMX3701	74LS86
AMX3706	74LS393
AMX3716	74LS14
AMX3799	219
AMX3800	74LS139
AMX3803	74LS123
AMX3804	74LS90
AMX3810	74LS221
AMX3864	74LS244
AMX3867	75188
AMX3868	75189
AMX3898	74LS10
AMX3955	74123
AMX4178	123AP
AMX4181	995
AMX4188	967
AMX4200	834
AMX4225	74LS240
AMX4227	74LS273
AMX4258	941M
AMX4260	1917
AMX4261	6880
AMX4263	123A
AMX4321	75452B
AMX4326	927D
AMX4327	922M
AMX4328	74LS38
AMX4330	159
AMX4331	261
AMX4359	75453B
AMX4467	3470
AMX4470	74LS245
AMX4574	855
AMX4577	966
AMX4578	6821
AMX4582	5332
AMX4583	74LS138
AMX4584	4050B
AMX4585	4529B
AMX-4591	7406
AMX4658	74LS27
AMX4659	74LS145
AMX4660	74LS266
AMX4661	778A
AMX4663	74LS629
AMX4666	4040B
AMX-4945	74S04
AN	123A
AN0153	288
AN-1	116
AN1A4M	2356
AN1F4M	2358
AN1L3M	2368
AN1L4M	2360
AN78L05	977
AN78L06	988
AN78L08	981
AN78L09	1902
AN78L12	950
AN78L15	951
AN78L18	1906
AN78L24	1908
AN78M05	960
AN78M05F	1960
AN78M05LB	960
AN78M06	962
AN78M06F	1962
AN78M08	964
AN78M08F	1964
AN78M09	1910
AN78M09-(LC)	1910
AN78M09F	1966
AN78M10	1932
AN78M10F	1968
AN78M12	966
AN78M12F	1970
AN78M12LB	966
AN78M15	968
AN78M15F	1972
AN78M15LB	968
AN78M18	958
AN78M18F	1974
AN78M24	972
AN78M24F	1976
AN78N05	960◆
AN79L05	1917
AN79L12	1903
AN79L15	1905
AN79L18	1907
AN79L24	1909
AN79M05	961
AN79M05F	1961
AN79M06	963
AN79M06F	1963
AN79M08	965
AN79M08F	1965
AN79M09F	1967
AN79M12	967
AN79M12F	1971
AN79M15	969
AN79M15F	1973
AN79M18	959
AN79M18F	1975
AN79M24	971
AN79M24F	1977
AN90C21	1828
AN90C22	1829
AN103	1192
AN103-0	1192
AN103G	1192
AN115	1226
AN136	1053
AN155	147A
AN156	615A
AN158	749
AN203	1054
AN203AA	1054
AN203BA	1054
AN203BB	1054
AN203C	1054
AN206	1057
AN-206	1057
AN206AB	1057
AN206B	1057
AN206S	1057
AN208	1136
AN208LL	1136
AN210	1055
AN210A	1055
AN210B	1055
AN210C	1055
AN210D	1055
AN211	1056
AN211A	1056
AN211-A	1056
AN211-AB	1056
AN211AB	1056
AN211-B	1056
AN211B	1056
AN213	1059
AN213AB	1059
AN214	1058
AN-214P	1058
AN214P	1058
AN214PQR	1058
AN214-PQR	1058
AN214PR	1058
AN-214Q	1058
AN214-Q	1058
AN214Q	1058
AN214QR	1058
AN214R	1058
AN214-R	1058
AN216	1125
AN217	1060
AN217AA	1060
AN217AB	1060
AN217B	1060
AN217BA	1060
AN217BB	1060
AN217CA	1060
AN217CB	1060
AN217P	1060
AN217PBB	1060
AN220	1061
AN221	712
AN222	1004
AN225	1062
AN227	1063§
AN228	1065
AN228W	1065
AN229	1064
AN230	1065
AN231	1066
AN234	1067
AN236	1123
AN238	749
AN238S	749
AN239	1161
AN239B	1161
AN239Q	1161
AN239QA	1161
AN239QB	1161
AN-240	712
AN240	712
AN240D	712
AN240P	712
AN240PD	712
AN240PN	712
AN240S	712
AN241	1162
AN241D	1162
AN241P	1162
AN241PD	1162
AN242	1068

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
AN245	1164
AN246	1164
AN247	1173§
AN247P	1173§
AN253	1072
AN253AB	1072
AN253B	1072
AN253BB	1072
AN259	1487
AN259SA	1487
AN260	1074
AN262	1263
AN271	1181
AN271A	1181
AN271B	1181
AN272	1450
AN272S	1450
AN274	1137
AN277	1073
AN277-A	1073
AN277A	1073
AN277AB	1073
AN277-AB	1073
AN277B	1073
AN277-B	1073
AN277BA	1073
AN278	1448
AN278/S	1448
AN287	1569
AN288	1069
AN289	1182
AN295	1587§
AN301	1446
AN301/T	1446
AN302	1264
AN303	1265
AN304	1400
AN304A	1400
AN305	1266
AN313	1444§
AN313/N	1444§
AN313U	1444§
AN315	1240
AN316	1267
AN318	1268
AN326	1250
AN328	1070
AN331	1168
AN337	1269
AN340	1454
AN340P	1454
AN340Q	1454
AN342	1071
AN343	1163
AN360	1223
AN362	1248
AN362L	1248
AN363	1217
AN363N	1217
AN366	1242
AN366P	1242
AN374	1224
AN374/A	1452
AN374P	1452
AN377	788
AN380	1191§
AN610	1442
AN610C	1442
AN610P	1442
AN612	1249
AN640	1270
AN640G	1270
AN829	1439
AN829P	1439
AN829S	1439
AN1324	987
AN1324NS	987SM
AN1339	834
AN1358	928M
AN1358S	928SM
AN1393	943M
AN1431	999M
AN1431T	999
AN1458	778A
AN1458S	1529◆
AN1741	941M
AN1741S	941SM
AN2390A	1161
AN3210K	1805
AN3211K	1805
AN3310K	1806
AN3312	1807
AN3320K	1808
AN3821K	1809
AN3822K	1809
AN4558	778A
AN5010	1402
AN5010-O	1402
AN5020	1682
AN5020-R	1682
AN5070	1688
AN5111	1440§
AN5111-OA	1440§
AN5125	1779
AN5125M	1779
AN5125MR	1779
AN5132	1551
AN5132-R	1551
AN5135K	1810
AN5135NK	1810
AN5136K	1861
AN5136KR	1861
AN5160K	7060
AN5160NK	7060
AN5160NK-N	7060
AN5215	1234
AN5250	1404
AN5250-O	1404
AN5255	1663§
AN5255-R	1663§
AN5256	1663§
AN5262	1783
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AN5265	1789
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AZ957	5014A
AZ957A	5014A
AZ957B	5071A
AZ958	5015A
AZ958A	5015A
AZ958B	138A
AZ959	5016A
AZ959A	5016A
AZ959B	5072A
AZ960	5018A
AZ960A	5018A
AZ960B	139A
AZ961	5019A
AZ961A	5019A
AZ961B	140A
AZ962	5020A
AZ962A	5020A
AZ962B	5074A
AZ963	5021A
AZ963A	5021A
AZ963B	142A
AZ964	5022A
AZ964A	5022A
AZ964B	143A
AZ965	5024A
AZ965A	5024A
AZ965B	145A
AZ966	5025A
AZ966A	5025A
AZ966B	5075A
AZ967	5027A
AZ967A	5027A
AZ967B	5077A
AZ968	5029A
AZ968A	5029A
AZ968B	5079A
AZ969	5030A
AZ969A	5030A
AZ969B	5080A
AZ970	5031A
AZ970A	5031A
AZ970B	5081A
AZ971	5033A
AZ971A	5033A
AZ971B	146A
AZ972	5035A
AZ972A	5035A
AZ972B	5084A
AZ973	5036A
AZ973A	5036A
AZ973B	147A
AZ974	5037A
AZ974A	5037A
AZ974B	5085A
AZ975	5038A
AZ975A	5038A
AZ975B	5086A
AZ976	5039A
AZ976A	5039A
AZ976B	5087A
AZQQ001GEA	1165
AZQQ-001GEA	1165
AZY	107
B00	7442
B0075660	7473
B01	7475
B01-01	116
B01-02	116
B01-02(DIODE)	116
B02	7476§
B03	74H76
B06C	116
B071	138A
B090	139A
B094	140A
B0102	116
B0102V	116
B0301-049	181
B02022	5455
B02023	5455
B02025	5457
B02026	5457
B02610	5452
B02611	5453
B02612	5454
B02644	5452
B02645	5453
B02646	5454
B03002	5455
B03003	5457
B03005	5457
B03006	5457
B03604	5452
B03605	5453
B03606	5454
B03641	5452
B03642	5453
B03643	5454
B040130	4013B
B048010	1208
B0272120	1677
B0272490	1677
B0305401	1235
B0306000	1004
B0306004	1004
B0311000	1087
B0311006	1087
B0311007	1087
B0311008	1087
B0311400	1128
B0311402	1128
B0311405	1128
B0313300	1134§
B0313400	1133
B0313600	1131§
B0313700	1132§
B0313800	1130
B0315500	1200
B0316403	1236
B0316415	1236
B0316451	712
B0318920	1196
B0319200	1155
B0320440	7064
B0325350	1657
B0325355	1657
B0325536	1787
B0347230	834
B0347500	928M
B0350500	778A
B0351500	987
B0354710	1545
B0354805	1532
B0354806	1532
B0354832	1532
B0354833	1532
B0354901	1532
B0355431	1654
B0356446	1547
B0356448	1547
B0356602	1775
B0356640	1573
B0356641	1573
B0356690	1651
B0356711	1236
B0358265	1790
B0358268	1790
B0358272	1790
B0376795	7068
B0379400	1790
B0383100	7010
B0470116	4011B
B0470130	4013B
B0470494	4049
B0470522	4052B
B0470532	4053B
B0470662	4066B
B0470932	4093B
B0474370	40174B
B0475142	4514B
B0480800	1207§
B0480810	1208
B0480820	1197
B1-8.2	5072A
B1-600-03	109
B1-600-04	109
B1-600-08	109
B1-600-11	109
B1-600-12	109
B1A	182§
B1A1	116
B1A5	116
B1A9	116
B1-A230	15044
B1-A350	15046
B1B	116
B1B1	116
B1B5	116
B1B9	116
B1C	184
B1C1	116
B1C-1	184
B1C-2	184
B1C5	116
B1C9	116
B1-C75	15040
B1-C90/20	15041
B1-C156	15043
B1D	152
B1D-1	184
B1D1	116
B1D5	116
B1D9	116
B1E	191
B1E1	116
B1E-1	191
B1E1(Quasar)	191
B1E5	116
B1E9	116
B1E(Quasar)	191
B1F	184
B1F1	116
B1F5	116
B1F9	116
B1G	191
B1G1	116
B1G5	116
B1G9	116
B1H	161
B1H1	125
B1H5	125
B1H9	125
B1J	159
B1K	123A
B1K1	125
B1K5	125
B1K9	125
B1M	188
B1M1	125
B1M5	125
B1M9	125
B1N	123A
B1N-1	159
B1N-2	159
B1P	163A
B1P-1	163A
B1P7201	123A
B1R	247
B1T	283
B1U	241
B1U148	184
B1V	286
B1VB40	168
B1W	123A
B1Y	286
B1Z	175
B2A	159
B2A1	116
B2A5	116
B2A9	116
B2B	175
B2B1	116
B2B5	116
B2B9	116
B2-B270	15045◆
B2-B470	15047
B2-B600	15048
B2C1	116
B2C5	116
B2C9	116
B2-C145	15043
B2D	123A
B2D1	116
B2D5	116
B2D9	116
B2E	159
B2E1	116
B2E5	116
B2E9	116
B2F1	116
B2F5	116
B2F9	116
B2G	159
B2G1	116
B2G5	116
B2G9	116
B2H	162
B2H1	125
B2H5	125
B2H9	125
B2J	184
B2K	186
B2K1	125
B2K5	125
B2K9	125
B2L	283
B2M	188
B2M1	125
B2M-1	159
B2M-2	159
B2M-3	159
B2M5	125
B2M9	125
B2P	286
B2S	159
B2SB241	104
B2SB244	104
B2W	121
B2Y	159
B2Z	107
B-3-12	348
B3-28	346
B3A1	116
B3A5	116
B3A9	116
B3B1	116
B3B5	116
B3B9	116
B3C1	116
B3C5	116
B3C9	116
B3D1	116
B3D5	116
B3D9	116
B3E1	116
B3E5	116
B3E9	116
B3F1	116
B3F5	116
B3F9	116
B3G1	116
B3G5	116
B3G9	116
B3H1	125
B3H5	125
B3H9	125
B3K5	125
B3K9	125
B3M1	125
B3M5	125
B3M9	125
B3N1	506
B3N5	506
B3N9	506
B-3P	109
B4A1	116
B4A-1-A-21	121
B4A5	116
B4A9	116
B4B1	116
B4B5	116
B4B9	116
B4C1	116
B4C5	116
B4C9	116
B4D1	116
B4D5	116
B4D9	116
B4E1	116
B4E5	116
B4E9	116
B4F1	116
B4F5	116
B4F9	116
B4G1	116
B4G5	116
B4G9	116
B4H1	125
B4H5	125
B4H9	125
B4K1	125
B4K5	125
B4K9	125
B4M1	125
B4M5	125
B4M9	125
B5	102A
B-5	176
B5-31S	5400
B5A	102A
B5A1	116
B5A5	116
B5A9	116
B5A(Horizontal)	165
B5A(Motorola)	165
B5A(Quasar)	165
B5B1	116
B5B5	116
B5B9	116
B5C	175
B5C1	116
B5C5	116
B5C9	116
B5D	154
B5D1	116
B5D5	116
B5D9	116
B5E	196
B5E1	116
B5E5	116
B5E9	116
B5F	291
B5F1	116
B5F5	116
B5F9	116
B5G	124
B5G1	116
B5G5	116
B5G9	116
B5H1	125
B5H5	125
B5H9	125
B5J	123A
B5K1	125
B5K5	125
B5K9	125
B5M1	125
B5M5	125
B5M9	125
B5P	191
B6A1	156
B6A5	156
B6A9	156
B6B1	156
B6B-3-A-21	121MP
B6B-3A21	121MP
B6B5	156
B6B9	156
B6C1	156
B6C5	156
B6C9	156
B6D1	156
B6D5	156
B6D9	156
B6E1	156
B6E5	156
B6E9	156
B6F1	156
B6F5	156
B6F9	156
B6G1	156
B6G5	156
B6G9	156
B6H1	156
B6H5	156
B6H9	156
B6K1	156
B6K5	156
B6K9	156
B6M1	156
B6M5	156
B6M9	156
B6N1	506
B6N5	506
B6N9	506
B6P	123AP
B7A1	156
B7A5	156
B7A9	156
B7B1	156
B7B5	156
B7B9	156
B7C1	156
B7C5	156
B7C9	156
B7D1	156
B7D5	156
B7D9	156
B7E1	156
B7E5	156
B7E9	156
B7F1	156
B7F5	156
B7F9	156
B7G1	156
B7G5	156
B7G9	156
B7H1	156
B7H5	156
B7H9	156
B7K1	156
B7K5	156
B7K9	156
B7M1	156
B7M5	156
B7M9	156
B7N1	506
B7N5	506
B7N9	506
B8P-2-A-21	102A
B8P-2A21	102A
B9L-4-A-21	102A
B9L-4A21	102A
B10A	5322
B10B	5322
B10D	5324
B10F	5326
B10H	5327
B10K	5328
B10Z	5322
B12-01	116
B12-02	116
B12-02R	116
B12-02RK	121
B12-04	116
B12-06	116
B12-1-A-21	123A
B12-1A21	123A
B12-10	125
B12-12	350
B12-28	357
B12(Diode)	125
B13-1029	76
B13-1030	77
B14A-1-21	121
B15-12	350
B18	125
B20/15-25	5322
B20/15-35	5340
B22	102A
B22-3	102A
B-22-3	102A
B22-4	102A
B-22-4	102A
B22A	102A
B22B	102A
B22H	102A
B22I	102A
B22R	102A
B22S	102A
B22Y	102A
B-23	102A
B23	102A
B-23-1	102A
B23-1	102A
B23-2	102A
B-23-2	102A
B23-79	197
B23-82	196
B24	102A
B24-06B	125
B24-06C	506
B24-06D	506
B-24-1	102A
B24-1	102A
B25	121
B25-12	351
B25-28	359
B25B	121
B-26	102A
B26	104
B-26-1	102A
B26(Japan)	104
B26A	104
B27	104
B-28	109
B28	109
B28(Japan)	104
B29	104
B-30	109
B30	109
B30-12	351
B30-13	506
B30(Japan)	104
B30C50KP	167
B30C250	116
B30C250-1	116
B30C250KP	167
B30C350-1	116
B30C500	116
B30C500/250	166
B30C600	116
B30C600CB	116
B30C1000	166
B-30P	109
B31	116
B-31	116
B31(rectifier)	116
B31(transistor)	104
B32	102A
B32-0	102A
B32-1	102A
B32-2	102A
B32-4	102A
B32N	102A
B33	102A
B33-4	102A
B33C	102A
B33D	102A
B33E	102A
B33F	102A
B34	102
B34N	102
B35-02	587
B35C600	116
B37	102A
B37A	102A
B37B	102A
B37C	102A
B37E	102A
B37F	102A
B38	102
B39	102A
B40	102A
B40-12	320
B40-28	360
B40/35-10	5322
B40/35-25	5322
B40/35-35	5340
B40C800	5304
B40C800DM	5332
B40C800G	5304
B40C800W	5304
B40C1000	5304
B40C1000A	5304
B40C1000G	5304
B40C1000M	5304
B40C1000W	5304
B40C1200S	5312
B40C1200W	5304
B40C1500	166
B40C1500G	5304
B40C1500M	5304
B40C1500R	5304
B40C1500W	5304
B40C2000/1500	166
B40C3200-2200N	5309◆
B40C3700/2200	5318◆
B40C5000/3300	5329◆
B41	104
B41-04	552
B42	121
B43	102A
B43-04	552
B43-08(Diode)	558
B43A	102A
B44	102A
B44-02(Diode)	552
B44-04	552
B44-06	552
B44-08(Diode)	558
B44-10(Diode)	558
B46	102A
B-46-110	178MP
B46-110	113A
B47	102A
B48	102
B49	102A
B50	116
B51	116
B51(Japan)	102
B52	102
B53	102
B54	102A
B54B	102A
B54E	102A
B54F	102A
B54Y	102A
B55	116
B55(Transistor)	102A
B56	102A
B56-15	5802
B56-33	5801
B56A	102A
B56B	102A
B56C	102A
B57	102A
B58	158
B59	116
B60	102A
B60A	102A
B60C300	116(4)
B60C800W	5304
B60C1000W	5304

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
B60C1200S	5313
B60C1200W	5304
B60C1500W	5304
B61	102A
B62	226
B63	131
B64	127
B65	102A
B65-1-A21	160
B65-1A21	160
B65-2A21	103A
B65-2-A-21	103A
B65-4A21	101
B65-4-A-21	101
B65A-1-21	160
B65B-1-21	160
B65C-1-21	121
B66	102A
B66-1-A-21	102A
B66-1A21	102A
B66-2A21	102A
B66-2-A-21	102A
B66-3A21	102A
B66-3-A-21	102A
B66H	102A
B66X0035-001	118
B66X0036-001	119
B66X0040-001	142A
B66X0040-002	5079A
B66X0040-003	139A
B66X0040-004	5141A
B66X0040-005	140A
B66X0040-006	130
B66X0040-007	5081A
B66X0040-008	5100A
B66X0041-001	120
B69	121
B71	102A
B72	102
B73	102A
B73A	102A
B73B	102A
B73C	102A
B73GR	102A
B74	158
B74-3A21	100
B74-3-A-21	100
B75	102A
B75A	100
B75AH	102A
B75B	102A
B75C	102A
B75F	102A
B75H	102A
B75LB	102A
B76	102A
B77	102A
B77(B)	102A
B77(Organ)	519
B77A	102A
B77A-1-21	105
B77AA	102A
B77AB	102A
B77AC	102A
B77AD	102A
B77AH	102A
B77AP	102A
B77B	102A
B77B-1-21	121
B77B-11	102A
B77C	102A
B77C-1-21	121MP
B77D	102A
B77D0016-1	5675
B77H	102A
B77T0049	9914
B77V	102A
B77VRED	102A
B78	102A
B79	102A
B80	131
B80/70-10	5322
B80/70-25	5322
B80/70-35	5340
B80C800	5304
B80C800DM	5332
B80C800G	5304
B80C800W	5304
B80C1000	5304
B80C1000A	5304
B80C1000G	5304
B80C1000M	5304
B80C1000W	5304
B80C1200S	5313
B80C1200W	5304
B80C1500	166
B80C1500G	5304
B80C1500M	5304
B80C1500R	5304
B80C1500W	5304
B80C2000/1500	167
B80C3200-2200N	5309◆
B80C3700/2200	5318◆
B80C5000/3300	5329◆
B81-004	586
B82-004	6085
B83	104
B83-7	5697
B84	121
B84A-1-21	121
B85	127
B87	127
B87J0007	128
B88B-1-21	160
B88C-1-21	100
B89	102A
B89A	102A
B89AH	102A
B89H	102A
B90	102A
B91	116
B92	102A
B92-1-A-21	101
B92-1A21	105
B94	102A
B95	102A
B97	102A
B98	102
B100	77
B100	102
B100(Zener)	140A
B101	102
B103	102
B105	158
B107	121
B107A	121
B108	158
B110	177
B110(Transistor)	102A
B111	177
B111(FARFISA)	177
B111K	102A
B112	102A
B113	102A
B114	102A
B115	102A
B116	102A
B117	102A
B117K	102A
B119	121
B119A	121
B120	102A
B122	121
B123	104
B123A	104
B125/110-10	5324
B125/110-25	5324
B125/110-35	5342
B125C800	5304
B125C800DM	5332
B125C800G	5304
B125C800W	5304
B125C1000	5304
B125C1000A	5304
B125C1000M	5304
B125C1000W	5304
B125C1200S	5314
B125C1200W	5304
B125C1500	167
B125C1500/1000	168
B125C1500G	5304
B125C1500M	5304
B125C1500R	5304
B125C1500W	5304
B125C2000/1500	168
B125C3200-2200N	5310◆
B125C3700/2200	5318◆
B125C5000/3300	5329◆
B125G1000G	5304
B126	121
B126A	121
B126AA	121
B126AB	121
B126AC	121
B126AD	121
B126AE	121
B126AF	121
B126AG	121
B126AH	121
B126B	121
B126C	121
B126D	121
B126E	121
B126F	121
B126G	121
B126H	121
B126V	121
B127	121
B127A	121
B127AM	121
B127AN	121
B127AO	121
B127AP	121
B127AQ	121
B127AS	121
B127M	121
B127N	121
B127O	121
B127P	121
B127Q	121
B127S	121
B128	127
B128A	127
B128AA	127
B128AB	127
B128AC	127
B128AD	127
B128AE	127
B128AF	127
B128AG	127
B128AH	127
B128B	127
B128C	127
B128D	127
B128E	127
B128F	127
B128G	127
B128H	127
B128V	121
B129	127
B130	131
B130A	131
B131	152
B131(Japan)	121
B131A	121
B132	153
B132(Japan)	121
B132A	121
B134	121
B134(Japan)	102A
B134A	121
B134B	102A
B134C	121
B134-D	102A
B134-E	102A
B135	102A
B135A	102A
B135B	102A
B135C	102A
B135D	102A
B135E	102A
B135F	102A
B136	102A
B136-2	102A
B136-3	102A
B136A	102A
B136B	102A
B136C	102A
B136D	102A
B136U	102A
B137	121
B138	121
B140	144A
B141	104
B142	104
B142B	104
B142C	104
B143	104
B143P	104
B144	104
B144P	104
B145	104
B146	104
B147	104
B149	104
B150(Zener)	145A
B151(Transistor)	104
B152	127
B152(Transistor)	104
B152A	127
B153	102A
B154	102A
B155	102A
B155A	102A
B155B	102A
B156	102A
B156A	102A
B156AA	102A
B156AB	102A
B156AC	102A
B156B	102A
B156BC	102A
B156C	102A
B156D	102A
B156P	102A
B157	126A
B158	126A
B159	126A
B160	126A
B161	102
B163	102
B165	102
B167	158
B168	102A
B169	123A
B-169	123A
B169(Japan)	123A
B170	102A
B171	102A
B171(Japan)	102A
B171A	102A
B171B	102A
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B172-90	156
B172-100	156
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B176-PR	102A
B176PRC	102A
B176R	102A
B177(Japan)	102A
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B177D	102A
B177E	102A
B177M	102A
B177N	102A
B177O	102A
B177P	102A
B177R	102A
B178	102A
B178(Japan)	102A
B178A	102A
B178AA	102A
B178AB	102A
B178AC	102A
B178AD	102A
B178AE	102A
B178AM	102A
B178AN	102A
B178AO	102A
B178AP	102A
B178AQ	102A
B178AR	102A
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B178AU	102A
B178AV	102A
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B178AZ	102A
B178C	102A
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B178M	102A
B178N	102A
B178-O	102A
B178-S	102A
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B178U	102A
B178V	102A
B178X	102A
B178Y	102A
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B185(0)	102A
B185(O)	102A
B185AA	102A
B185F	102A
B185P	102A
B186	102A
B186-1	102A
B186(Sanyo)	102A
B186(0)	102A
B186A	102A
B186AG	102A
B186B	102A
B186BY	102A
B186C	102A
B186G	102A
B186H	102A
B186-K	102A
B186L	102A
B186Y	102A
B187	102A
B187(Sanyo)	102A
B187(1)	102A
B187AA	102A
B187B	102A
B187C	102A
B187D	102A
B187G	102A
B187K	102A
B187R	102A
B187RED	102A
B187S	102A
B187Y	102A
B187YEL	102A
B188	102A
B191-5	5940
B196	5635
B199	102
B200	102A
B200A	102A
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B201	102A
B202	102
B203AA	179
B204	179
B205	179
B206	179
B215	121
B216	121
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B217	121
B217A	121
B217G	121
B217U	121
B219	102
B220	102
B220A	102
B221	102
B221A	102
B222	102
B223	102
B223-10	156
B223-20	525
B223-30	156
B223-40	156
B223-50	156
B223-60	156
B224	102A
B224(Japan)	102
B226	102A
B227	102A
B228	127
B229	127
B230	127
B231	127
B232	127
B233	127
B234	127
B234N	127
B235	213
B235A	213
B236	105
B237	105
B237-12A	105
B237-12B	105
B238	158
B238-12A	158
B238-12B	158
B238-12C	158
B240(Zener)	5081A
B243A(Diode)	177
B246	104
B247	104
B248	104
B248A	104
B249	179
B249A	179
B250	104
B250/220-10	5326
B250/220-25	5326
B250/220-35	5342
B250A	104
B250C7K4S	116
B250C75	116
B250C75K4	116
B250C75K5	116
B250C75K41	116
B250C75K45	116
B250C100	116
B250C100TD	116
B250C125	116
B250C125K4	116
B250C125N2	116
B250C125X4	116
B250C150	116
B250C150K4	116
B250C250	5305
B-250-C-250	5305
B250C800	5305
B250C800A	5305
B250C800DM	5334
B250C800G	5305
B250C800W	5305
B250C1000	5305
B250C1000A	5305
B250C1000G	5305
B250C1000M	5305
B250C1000W	5304
B250C1200S	5315
B250C1200W	5305
B250C1500	168
B250C1500/1000	169
B250/C1500/1000	169
B250C1500G	5305
B250C1500M	5305
B250C1500R	5305
B250C1500W	5305
B250C3200-2200N	5311◆
B250C3700/2200	5319◆
B250C5000/3300	5330◆
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B251A	127
B252	127
B252A	127
B253	127
B253A	127
B254	226
B255	226
B256	226
B257	102A
B258	213◆
B259	213
B260	213
B261	102A
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B263	102A
B264	102A
B265	102A
B266	102A
B266A-1	159
B266B-1	159
B266P	102A
B266Q	102A
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B269	102A
B269-3345	519
B270	102A
B270A	102A
B270B	102A
B270C	102A
B270D	102A
B270E	102A
B-271	548◆
B271	102A
B272	102A
B273	102A
B274(Japan)	127
B274(Sylvania)	128
B275	127
B276	127
B277-14(Dumont)	398
B278-14(Dumont)	375
B282	127
B283	121
B284	121
B285	127
B285-5	166
B285-10	166
B285-20	167
B285-30	168
B285-40	168
B285-50	169
B285-60	169
B285-70	170
B285-80	170
B285-90	170
B285-100	170
B-288	548
B290	100
B291	100
B292	100
B292A	100
B293	102A
B294(rectifier)	116
B294(transistor)	102A
B295	121◆
B296	127
B-298	548◆
B299	102A
B300	127
B301	127
B302	102A
B303-0	102A
B303(Transistor)	102A
B303A	102A
B303B	102A
B303C	102A
B303H	102A
B303K	102A
B304	158
B304A	158
B309	127
B310	127
B310(Zener)	5085A
B311	127
B312	127
B312(RF)	348
B313	127
B315	102A
B-315-1	158
B316	102A
B317	102A
B318	127
B319	127
B320	127
B321	102A
B322	102A
B323	102A
B324	158
B-324	158
B324A	158
B324B	158
B324D	158
B324E	158
B324E-1	158
B324F	158
B324G	158
B324GHI	158
B324H	158
B324I	158
B324J	158
B324K	158
B324L	158
B324N	158
B324P	158
B324R	158
B324S	158
B324V	158
B326	102A
B327	102A
B328	102
B329	102A
B329K	102A
B331	213
B331H	213
B331HA	213
B331HB	213
B331HC	213
B332	213
B332H	213
B332HA	213
B332HB	213
B332HC	213
B333	213
B335	102
B336	102A
B337	121
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B337B	121
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B337H	121
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B337HB	121
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B338H	121
B338HA	121
B338HB	121
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B339H	179
B340	179
B340H	179
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B341H	127
B341V	127
B342	127
B343	127
B345	102A
B345S	5400
B346	102A
B346K	102A
B346Q	102A
B347	102A
B348	102A
B348Q	102A
B348R	102A
B349	102A
B350	102
B351	105
B352	213
B352D	213
B353	213
B355	104
B356	104
B357	127
B358	127
B359	127
B360	127
B361	127
B362	127
B364	158
B365	158
B365B	158
B366	127
B367	131
B367(A)	131
B367A	131
B367B	131
B367C	131
B367H	131
B368	131◆
B368A	131◆
B368B	131◆
B368H	131◆
B370	102A
B370A	102A
B370AA	102A
B370AB	102A
B370AC	102A
B370AHA	102A
B370AHB	102A
B370B	102A
B370C	102A
B370D	102A
B370P	102A
B370PB	102A
B370V	102A
B371	102A
B371D	102A
B372	176
B373	176
B375	127
B375-2B	127
B375-5B	127
B375A	127
B375A-2B	127
B375A-5B	127
B375A-NB	127
B375TV	127
B376	102A
B376-5	5304
B376-10	5304
B376-20	5304
B376-30	5304
B376-40	5304
B376-50	5305
B376-60	5305
B376-70	5306
B376-80	5306
B376-90	5307
B376-100	5307
B376G	102A
B377	102A
B377B	102
B378	102A
B378A	102A
B379	102
B379-2	102
B379A	102
B379B	102
B380	102
B380/340-10	5328
B380/340-25	5328
B380/340-35	5344
B380A	102
B380C800	5307
B380C800A	5307
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B380C800G	5307
B380C800W	5307
B380C1000	5307
B380C1000A	5307
B380C1000G	5307
B380C1000M	5306
B380C1000W	5307
B380C1200S	5317
B380C1200W	5307
B380C1500/1000	170
B380C1500G	5307
B380C1500M	5306
B380C1500R	5307
B380C1500W	5307
B380C2000/1500	170
B380C3700/2200	5319◆
B380C5000/3300	5330◆
B381	102A
B382	102A
B383	102A
B383-1	102A
B383-2	102A
B384	102A
B385	102A
B386	102A
B387	102A
B389	102A
B390	127
B391	121
B392	100
B393	100
B393-5	5309◆
B393-10	5309◆
B393-20	5309◆
B393-30	5310◆
B393-40	5310◆
B393-50	5310◆
B393-60	5310◆
B393-70	5311◆
B393-80	5311◆
B393-90	5311◆
B393-100	5311◆
B394	100
B395	100
B396	102
B400	102A
B400A	102A
B400B	102A
B400K	102A
B401	100
B402	100
B403	100
B405	158
B405-2C	158
B405-3C	158
B405-4C	158
B405(PROM)	74S475
B405A	158
B405B	158
B405C	158
B405C(PROM)	74S475
B405C-E(PROM)	74S475
B405D	158
B405D(PROM)	74S475
B405D-E(PROM)	74S475
B405E	158
B405-E(PROM)	74S475
B405G	158
B405H	158
B405K	158
B405R	158
B405RE	158
B405S	158
B406(PROM)	74S572
B406C(PROM)	74S572
B406C-E(PROM)	74S572
B406D(PROM)	74S572
B406D-E(PROM)	74S572
B406-E(PROM)	74S572
B407	121
B407-O	121
B407TV	121
B408	102A
B408(PROM)	74S479
B408C(PROM)	74S479
B408D(PROM)	74S479
B410	127
B411	153
B411(MOD)	5700
B411F	5700
B412	5700
B412F	5700
B413	131
B413(MOD)	5700
B413F	5700
B414	226
B415	158
B415A	158
B415B	158
B416	100
B417	100
B421	5701
B421F	5701
B422	102
B422(MOD)	5701
B422F	5701
B423	102
B423(MOD)	5701
B423F	5701
B424	121

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

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B425	121
B425(PROM)	74S474
B425C(PROM)	74S474
B425C-E(PROM)	74S474
B425D(PROM)	74S474
B425D-E(PROM)	74S474
B425-E(PROM)	74S474
B425Y	127
B426	121
B426(PROM)	74S573
B426BL	121
B426C(PROM)	74S573
B426C-E(PROM)	74S573
B426D(PROM)	74S573
B426D-E(PROM)	74S573
B426-E(PROM)	74S573
B426R	121
B426Y	121
B427	102A
B428	102A
B428(PROM)	74S478
B428C(PROM)	74S478
B428D(PROM)	74S478
B430	213
B431	158
B432	127
B433	213
B434	153
B434-O	153
B434-R	153
B434-Y	153
B435	153
B435-O	153
B435-R	153
B435-Y	153
B435Y	153
B439	102A
B439A	102A
B440	102A
B441	5702
B442	5702
B442-5	166
B442-10	166
B442-20	167
B442-30	168
B442-40	168
B442-50	169
B442-60	169
B442-70	170
B442-80	170
B442-90	170
B442-100	170
B443	102A
B443(MOD)	5702
B443A	102A
B443B	102A
B444	126A
B444A	126A
B444B	126A
B445	226◆
B446	226◆
B447	127
B448	131
B449	121
B449A	121
B449B	121
B449C	121
B449D	121
B449E	121
B449F	121
B449L	121
B449M	121
B449O	121
B449P	121
B449Q	121
B449R	121
B449S	121
B449T	121
B450	158
B450A	158
B451	158
B452	158
B452A	158
B453	158
B457	158
B457A	158
B457AA	158
B457AB	158
B457AC	158
B457AD	158
B457-C	158
B458	131
B458A	131
B459	102A
B459A	102A
B459B	102A
B459C	102A
B459D	102A
B459-O	102A
B460	102A
B460A	102A
B460B	102A
B462	131◆
B463	131
B463BL	131
B463E	131
B463R	131
B463Y	131
B464	127
B465	127
B466	226◆
B467	226◆
B468	127
B468A	127
B468B	127
B468C	127
B468D	127
B470	102A
B471	121
B471(MOD)	5704
B471-2	121
B471A	121
B471B	121
B472	121◆
B472(MOD)	5704
B472A	121◆
B472B	121◆
B473	131
B473(MOD)	5704
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B473B	131
B473C	131
B473D	131
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B473F	131
B473G	131
B473H	131
B473I	131
B473J	131
B473N	131
B473Q	131
B473R	131
B474	226
B474-2	226
B474-3	226
B474-4	226
B474-6D	226
B474MP	226
B474S	226
B474V4	226
B474V10	226
B474Y	226
B475	102A
B475A	102A
B475B	102A
B475C	102A
B475D	102A
B475E	102A
B475F	102A
B475G	102A
B475P	102A
B475Q	102A
B476	176
B476S	176
B476W	176
B481	226
B481A	131
B481B	131
B481C	131
B481D	131
B481E	131
B481F	131
B481G	131
B481H	131
B481I	131
B481J	131
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B481T	131
B481U	131
B481V	131
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B481X	131
B481Y	131
B482	102A
B483	179
B484	179
B485	179◆
B486	102
B492	176
B492B	176
B494	158
B495	158
B495A	158
B495B	158
B495C	158
B495D	158
B495T	158
B496	102A
B497	102A
B498	102A
B500/440-10	5328
B500/440-25	5328
B500/440-35	5344
B500C800	5307
B500C1000	5307
B500C1500	169
B500C3200-2200N	5311◆
B502	197
B502A	197
B502O	197
B502R	197
B502Y	197
B503	197
B503A	197
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B503R	197
B503Y	197
B506	88
B506(Korea)	332
B506A	88
B506B	265
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B506D	265
B506-O(Korea)	332
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B507C(Trans)	153
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B508D(Trans)	153
B508E(Trans)	153
B509	153
B510	323
B510S	323
B511	153
B511(MOD)	5700
B511C	153
B511D	153
B511E	187A
B511F	5700
B512	153
B512(MOD)	5700
B512-0	153
B512A	197
B512AP	197
B512AQ	197
B512F	5700
B512-O	153
B512O	197
B512P	153
B512Q	153
B513	153
B513(MOD)	5700
B513A	197
B513AO	197
B513AP	197
B513AQ	197
B513F	5700
B513O	197
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B514C	153
B514D	153
B514E	153
B515	153
B515C	153
B515D	153
B515E	153
B516C	102A
B516CD	102A
B516D	102A
B516P	102A
B520	281
B521	5701
B521F	5701
B522	5701
B522-1	197
B522-893	113A
B522F	5701
B523	153
B523(MOD)	5701
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B524	153
B524C	153
B524D	153
B525(BCE)	294
B525C(BCE)	294
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B525E(BCE)	294
B526D	292
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B527-062	113A
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B528	292
B528C	292
B528D	292
B528E	292
B529	153
B529C	153
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B531-O	281
B531-R	281
B531-Y	281
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B532P	281
B532Q	281
B532R	281
B532S	281
B533	176
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B537K	292
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B539BS	285
B539CQ	285
B539CR	285
B539CS	285
B539Q	285
B539R	285
B539S	285
B541	88
B541(MOD)	5702
B542	159
B542(MOD)	5702
B542(BCE)	290A
B542C(BCE)	290A
B542D(BCE)	290A
B542E(BCE)	290A
B543	5702
B544	294
B544D	294
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B544P1D	193A
B544P1E	193A
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B546(Korea)	398
B546A	398
B546AK	398
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B546EX	398
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B546K	398
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B546M	398
B546-O	398
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B547	398◆
B547A	398◆
B547K	398◆
B547L	398◆
B547M	398◆
B548	374
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B548R	374
B548S	374
B549	374
B549Q	374
B549R	374
B549S	374
B550	88
B550C1500R	5307
B551H	218
B551HA	218
B551HB	218
B551HC	218
B552	68
B553(Trans)	55
B553-O(Trans)	55
B553-Y(Trans)	55
B554	285
B554-0	285
B554-R	285
B555	281
B555-O	281
B556	281
B556O	281
B556R	281
B557	281
B557-O	281
B557-R	281
B558	281
B558-O	281
B558-R	281
B559	185
B559D	185
B559E	185
B560	298
B560D	383
B560E	383
B560F	383
B560G	383
B561(ECB)	159
B561A(ECB)	159
B561A(Trans)	290A
B561B(ECB)	159
B561B(Trans)	290A
B561C(ECB)	159
B561C(Trans)	290A
B561D(ECB)	159
B561K	298
B562	294
B562A	294
B562B	294
B562C	294
B562D	294
B563	88
B564	294
B564A(Korea)	129P
B564A-O(Korea)	129P
B564AY(Korea)	129P
B564K	294
B564KA(Trans)	294
B564L	294
B564LA(Trans)	294
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B566-04	292
B566A	292
B566AB	292
B566AC	292
B566AK	292
B566AKB	292
B566AKC	292
B566B	292
B566C	292
B566D	292
B566K	292
B566KB	292
B566KC	292
B568	398
B568B(Trans)	398
B568C	292
B568D	292
B568WT	292
B569	242
B571	5704
B572	5704
B573	5704
B588	281
B588-20	525
B588-O	281
B588-R	281
B595	55
B595-O	55
B595R	55
B595-Y	55
B596	242
B596-0	242
B596-R	242
B596-Y	242
B596Y	242
B598(ECB)	159
B598D(ECB)	159
B598E(ECB)	159
B598F(ECB)	159
B600	88
B601-1006	160
B601-1007	160
B601-1008	160
B601-1009	102A
B601-1010	158
B601-1011	109
B601-1012	116
B601(Trans)	262
B601L(Trans)	264
B601M(Trans)	262
B604	242
B604Q	242
B604R	242
B605(TRANS)	294
B605K(Trans)	294
B605L(TRANS)	294
B605M(TRANS)	294
B608	398
B608A	398
B608AB	398
B608AC	398
B608AD	398
B608B	398
B608C	398
B608D	398
B609	292
B609B	292
B609C	292
B609D	292
B611AB	281
B611AC	281
B611B	281
B611C	281
B612	285
B612A	285
B612AA	285
B612AB	285
B612AC	285
B612BC	285
B614 007 0	177
B616	381
B616A	381
B616Q	381
B616R	381
B616S	381
B617	381
B617A	381◆
B617Q	381◆
B617R	381◆
B617S	381◆
B618	381
B621	294
B621A(Trans)	294
B621ANC	294
B621AQ(Trans)	294
B621AR(Trans)	294
B621AS(Trans)	294
B621NC	294
B621Q(Trans)	294
B621R	294
B621S(Trans)	294
B624(Trans)	2407
B624BV1(Trans)	2407
B624BV2(Trans)	2407
B624BV3(Trans)	2407
B624BV4(Trans)	2407
B624BV5(Trans)	2407
B628	398◆
B628Q	398◆
B628R	398◆
B628S	398◆
B630	398◆
B631	374
B631D	374
B631E	374
B631F	374
B631K	374
B631KD	374
B631KE	374
B631KF	374
B632	185
B632D	185
B632E(Trans)	185
B632F(Trans)	185
B632K	185
B632KD	185
B632KE(Trans)	185
B633(Trans)	378
B633C(Trans)	378
B633D(Trans)	378
B633E(Trans)	378
B633P	381
B633PC	381
B633PD	381
B633PE	381
B634	88
B637	2362
B637K	2362
B637KC	2362
B637KD	2362
B638	248
B638H	248
B639	248
B639H	248
B641(Trans)	19
B641-C(Trans)	19
B641P	19
B641-Q(Trans)	19
B641-QR(Trans)	17
B641-QRS(Trans)	17
B641-R(Trans)	17
B641RS(Trans)	17
B641-S(Trans)	17
B642(Trans)	19
B642-A(Trans)	19
B642-P(Trans)	19
B642PQR(Trans)	19
B642-Q(Trans)	19
B642QRS(Trans)	19
B643(Trans)	19
B643-O(Trans)	19
B643P(Trans)	19
B643PQR(Trans)	19
B643-Q(Trans)	19
B643-R(Trans)	19
B643RS(Trans)	19
B643-S(Trans)	19
B644	19
B644Q	19
B644QR(Trans)	19
B644R	19
B644S	19
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B646AB	383
B646AC	383
B646B	383
B646C	383
B646D	383
B647	383
B647A	383
B647AB	383
B647AC	383
B647B	383
B647C	383
B647D	383
B648	374
B648A	374
B648AB	374
B648AC	374
B648B	374
B648C	374
B649	374
B649A	374
B649AB	374
B649AC	374
B649B	374
B649C	374
B650	250
B650H	250
B653	88
B653A	88
B653AB	88
B653AC	88
B653B	88
B653C	88
B654	88
B654-10	5304
B654-20	5304
B654-30	5304
B654-40	5304
B654-50	5305
B654-60	5305
B654-70	5306
B654-80	5306
B654-90	5307
B654-100	5307
B654A	88
B654AB	88
B654AC	88
B654B	88
B654C	88
B655	285
B655A	285
B655AB	285
B655AC	285
B655B	285
B655C	285
B656	285
B656A	285
B656AB	285
B656AC	285
B656B	285
B656C	285
B668	262
B668A	262
B669	262
B669A	262
B673	262
B674	262
B675	262
B676	262
B677	262
B681	285
B681-O	285
B681-R	285
B682	292
B682B	292
B682C	292
B683	197
B683C	197
B683D	197
B684	294
B685	271
B685K	271
B685L	271
B686	391
B686-O	37
B686-R	37
B688	37
B688-O	37
B688Q(Trans)	37
B688-R	37
B689	292
B690	292
B690B	292
B690C	292
B691	37
B691P	37
B691Q	37
B691R	37
B692	37
B692H	37
B692P	37
B692Q	37
B692R	37
B692R13	109
B693	252
B693H	252
B696(Trans)	88
B696K	88
B697	281
B697C	281
B697D	281
B697E	281
B697F	281
B697K(Trans)	285
B697KC(Trans)	285
B697KD(Trans)	285
B697KE(Trans)	285
B697KF(Trans)	285
B698	159
B698D	159
B698E	159
B698F	159
B698G	159
B699	93
B699B	93
B699C	93
B700	93
B700A	93
B700AB	93
B700AC	93
B700B	93
B700C	93
B702	93
B702A	93
B702AB	93
B702AC	93
B702B	93
B702C	93
B703(Trans)	292
B703A(Trans)	292
B703Q(Trans)	292
B705	93
B705A	93
B705AQ	93
B705AR	93
B705AS	93
B705B	93
B705BQ	93
B705BR	93
B705BS	93
B705Q	93
B705R	93
B705S	93
B707	197◆
B707K	197
B707L	197◆
B707M	197◆
B708	197
B708K	197
B708L	197
B708M	197
B709(Trans)	2409
B709A(Trans)	2409
B709AQ(Trans)	2409
B709AQRW(Trans)	2409
B709AQW(Trans)	2409
B709AR(Trans)	2409
B709AS(Trans)	2409
B709ATW(Trans)	2409
B709AW(Trans)	2409
B709Q(Trans)	2409
B709R(Trans)	2409
B709S(Trans)	2409
B710(Trans)	2407
B710A(Trans)	2407
B710AQ(Trans)	2407
B710AR(Trans)	2407
B710AS(Trans)	2407
B710AW(Trans)	2407
B710Q(Trans)	2407
B710R(Trans)	2407
B710S(Trans)	2407
B711	262
B712(Trans)	262
B713(Trans)	37
B713-P(Trans)	37
B713-Q(Trans)	37
B713-R(Trans)	37
B714	176
B715D	91
B715E	91
B716	91
B716A	91
B716A0	91
B716D	91
B716E	91
B716G	91
B719	398
B719A	398
B719B	398
B719C	398
B719D	398
B720(TRANS)	398
B721	159
B724	153
B725(Trans)	290A
B726(Trans)	290A
B726-Q(Trans)	290A
B726-R(Trans)	290A
B726S(Trans)	199
B726T(Trans)	199
B727(Trans)	2344
B727K(Trans)	2344
B729(Trans)	159
B729Q(Trans)	159
B729R(Trans)	159
B731(Trans)	374
B731L(Trans)	374
B733(TRANS)	294
B733K(TRANS)	294
B733L(TRANS)	294
B734-34(Trans)	383
B734(Trans)	383
B734K(Trans)	383
B734L(Trans)	383
B736(Trans)	2407
B736A(Trans)	2411
B736AB51(Trans)	2411
B736AB52(Trans)	2411
B736AB53(Trans)	2411
B736BW1(Trans)	2407
B736BW2(Trans)	2407
B736BW3(Trans)	2407
B736BW4(Trans)	2407
B736BW5(Trans)	2407
B737(TRANS)	290A
B737Q(TRANS)	290A
B738B(Trans)	12
B738C(Trans)	12
B739B(Trans)	12
B739C(Trans)	12
B740	383
B740-3(Trans)	383
B740B	383
B740C	383
B741	383
B741B	383
B741C	383
B741Q	383
B742Q	234
B743	185
B743Q	185
B743R	185
B744	185
B744A	185
B744AQ	185
B744AR	185
B744Q	185
B744R	185
B745(Trans)	17
B745-A(Trans)	17
B745-AR(Trans)	17
B745-AS(Trans)	17
B745-AT(Trans)	17
B745-R(Trans)	17
B745-S(Trans)	17
B745-T(Trans)	17
B747(Trans)	55
B747-P(Trans)	55
B747Q(Trans)	55
B747R(Trans)	55
B748A	93
B748AB	93
B748AC	93
B749A	93
B749AB	93
B749AC	93

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
B750	262
B750A	262
B750-AQ(Darl)	262
B750-AR(Darl)	262
B750-R(Darl)	262
B751	262
B751A	262
B751AQ(Trans)	262
B751AR(Trans)	262
B751Q(Trans)	262
B751R(Trans)	262
B753	378
B753-O	378
B754	37
B754-O	37
B757(Trans)	2314
B757A(Trans)	2314
B757B(Trans)	2314
B757C(Trans)	2314
B758A(Trans)	381
B759(BCE)	234
B759Q(BCE)	234
B759R(BCE)	234
B759S(BCE)	234
B760(Trans)	55
B760A(Trans)	55
B760AP(Trans)	55
B760AQ(Trans)	55
B760AR(Trans)	55
B760P(Trans)	55
B760Q(Trans)	55
B760R(Trans)	55
B761(Trans)	55
B761A(Trans)	55
B761AP(Trans)	55
B761AQ(Trans)	55
B761AR(Trans)	55
B761B(Trans)	55
B761L(Trans)	55
B761LBP(Trans)	55
B761LBQ(Trans)	55
B761P(Trans)	55
B761Q(Trans)	55
B761R(Trans)	55
B762(Trans)	55
B762A(Trans)	55
B762AP(Trans)	55
B762AQ(Trans)	55
B762AR(Trans)	55
B762P(Trans)	55
B762Q(Trans)	55
B762R(Trans)	55
B763	391
B763A	391
B763AQ(Trans)	391
B763AR(Trans)	391
B763Q(Trans)	391
B763R(Trans)	391
B764	383
B764D	383
B764E	383
B764F	383
B765K	2344
B766(Trans)	2429
B766AQ(Trans)	2429
B766AR(Trans)	2429
B766AS(Trans)	2429
B766Q(Trans)	2429
B766R(Trans)	2429
B766S(Trans)	2429
B767(Trans)	2429
B767P(Trans)	2429
B767Q(Trans)	2429
B767R(Trans)	2429
B767S(Trans)	2429
B772(Trans)	185
B772P(Trans)	185
B772Q(Trans)	185
B772R(Trans)	185
B774	290A
B774-P(Trans)	290A
B774-Q(Trans)	290A
B774-R(Trans)	290A
B775(TRANS)	37
B775D(TRANS)	37
B775E(TRANS)	37
B776	37
B776(TRANS)	37
B776D	37
B776D(TRANS)	37
B776E(TRANS)	37
B777(Trans)	37
B779(Trans)	2407
B779Q(Trans)	2407
B779R(Trans)	2407
B779S(Trans)	2407
B780	290A
B780Q(Trans)	290A
B780R(Trans)	290A
B781(TRANS)	292
B782(TRANS)	292
B783(TRANS)	292
B786	254#
B788Q	91
B788R	91
B788S	91
B788T	91
B788U	91
B789(Trans)	2431
B789A(Trans)	2431
B789AP(Trans)	2431
B789AQ(Trans)	2431
B789AR(Trans)	2431
B789AS(Trans)	2431
B789P(Trans)	2431
B789Q(Trans)	2431
B789R(Trans)	2431
B789S(Trans)	2431
B790(Trans)	19
B790P(Trans)	19
B790Q(Trans)	19
B790R(Trans)	19
B790S(Trans)	19
B791(Trans)	2344
B791K(Trans)	2344
B792(Trans)	2411
B792Q(Trans)	2411
B792R(Trans)	2411
B792S(Trans)	2411
B793(Trans)	21
B793Q(Trans)	21
B793R(Trans)	21
B794(Trans)	254
B794AL(Trans)	254
B794L(Trans)	254
B794M(Trans)	254
B795(Trans)	254
B795L(Trans)	254
B795M(Trans)	254
B798(Trans)	2429
B798DK(Trans)	2429
B798DL(Trans)	2429
B798DM(Trans)	2429
B798K(Trans)	2429
B798L(Trans)	2429
B798M(Trans)	2429
B799(Trans)	2429
B799K(Trans)	2429
B799L(Trans)	2429
B799M(Trans)	2429
B799MK(Trans)	2429
B799ML(Trans)	2429
B799MM(Trans)	2429
B800(Trans)	2429
B800FK(Trans)	2429
B800FL(Trans)	2429
B800FM(Trans)	2429
B800K(Trans)	2429
B800L(Trans)	2429
B800M(Trans)	2429
B808(Trans)	290A◆
B808F(Trans)	383◆
B808G(Trans)	290A◆
B810(TRANS)	294
B810F(Trans)	294
B810H(TRANS)	294
B810J(TRANS)	294
B810M(TRANS)	294
B811(TRANS)	294
B811E(Trans)	294◆
B811F(Trans)	294◆
B811H(TRANS)	294
B811J(TRANS)	294
B811M(TRANS)	294
B812(TRANS)	391
B812A(Trans)	391
B812AQ(Trans)	391
B812AR(Trans)	391
B812Q(Trans)	391
B812R(Trans)	391
B813(TRANS)	292
B814(Trans)	2411
B814R(Trans)	2411
B815(Trans)	2407
B815B6(Trans)	2407
B816(TRANS)	37
B816D(TRANS)	37
B816E(TRANS)	37
B817(TRANS)	37
B817D(TRANS)	37
B817-E(Trans)	37
B819(Trans)	21
B819AUG(Trans)	21
B819AUR(Trans)	21
B819-P(Trans)	21
B819-Q(Trans)	21
B819-R(Trans)	21
B822(Trans)	21◆
B822Q	21◆
B823(TRANS)	55
B824(TRANS)	378
B824Q(TRANS)	378
B824R(TRANS)	378
B825(TRANS)	378
B825Q(Trans)	378
B825R(Trans)	378
B826(TRANS)	378
B826Q(TRANS)	378
B826R(TRANS)	278
B827(TRANS)	2314
B827Q(TRANS)	2314
B827R(Trans)	2314
B827S(Trans)	2314
B828(TRANS)	2314
B828Q(TRANS)	2314
B828R(Trans)	2314
B828S(Trans)	2314
B829(Trans)	2314
B829Q(Trans)	2314
B829R(Trans)	2314
B829S(Trans)	2314
B831(Trans)	2407
B831B(Trans)	2407
B831C(Trans)	2407
B834	153◆
B834-O(Trans)	153
B834-Y(Trans)	153
B835(Trans)	21
B835-Q(Trans)	21
B835-R(Trans)	21
B835-S(Trans)	21
B835-T(Trans)	21
B837	5697
B848(TRANS)	391
B849(TRANS)	37
B849AR(Trans)	37
B849AS(Trans)	37
B849R(Trans)	37
B849S(Trans)	37
B850(TRANS)	378
B850-Q(Darl)	262
B851(Trans)	19
B851P	19
B851Q	19
B851QD	19
B851R	19
B852K(Trans)	2405
B855(TRANS)	55
B856(TRANS)	55
B857(TRANS)	55
B857C	55
B858(TRANS)	55
B859(TRANS)	292
B859B(Trans)	292
B859C(Trans)	292
B860(TRANS)	55
B861(Trans)	398
B861C(Trans)	398
B863	37
B863(TRANS)	37
B863O	37
B863R	37
B867(Trans)	55
B867-P(Trans)	55
B867Q(Trans)	55
B867R(Trans)	55
B868(Trans)	55
B868-P(Trans)	55
B868Q(Trans)	55
B868R(Trans)	55
B869(Trans)	55
B869-P(Trans)	55
B869Q(Trans)	55
B869R(Trans)	55
B870(Trans)	55
B870-P(Trans)	55
B870Q(Trans)	55
B870R(Trans)	55
B871(TRANS)	378
B871-A(Trans)	378
B871-AP(Trans)	378
B871-AQ(Trans)	378
B871-AR(Trans)	378
B871-P(Trans)	378
B871-Q(Trans)	378
B871-R(Trans)	378
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B872A(Trans)	262
B872AQ(Trans)	262
B872AR(Trans)	262
B872Q(Trans)	262
B872R(Trans)	262
B880(Trans)	264
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B885(Trans)	262
B886(Trans)	264
B889	185#
B889(Trans)	185#
B891(Trans)	185#
B891P	185#
B892(Trans)	2364
B892R(Trans)	2364
B892S(Trans)	2364
B892T(Trans)	2364
B893(Trans)	12
B893E(Trans)	12
B893F(Trans)	12
B893G(Trans)	12
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B894-P(Trans)	17
B894-Q(Trans)	17
B894-R(Trans)	17
B894-S(Trans)	17
B894-T(Trans)	17
B896(Trans)	378
B896-A(Trans)	378
B896-AQ(Trans)	378
B896-AR(Trans)	378
B896-Q(Trans)	378
B896-R(Trans)	378
B897	271◆
B902(Trans)	2409
B902Q(Trans)	2409
B902R(Trans)	2409
B902S(Trans)	2409
B904(Trans)	393#
B904-Q(Trans)	393#
B904-R(Trans)	393#
B907(Trans)	2352
B908(Trans)	2352
B909(Trans)	21
B909M	21
B909MP	21
B909MQ	21
B910M	19
B910MLQ	19
B910MP	19
B910MQ	19
B910MR	19
B911M	21
B911MLQ	21
B911MP	21
B911MQ	21
B911MR	21
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B915(Trans)	250
B916(Trans)	250
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B919R(Trans)	55
B919S(Trans)	55
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B921(Trans)	55
B921Q(Trans)	55
B921R(Trans)	55
B921S(Trans)	55
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B925-AQ(Trans)	378
B925-AR(Trans)	378
B925-Q(Trans)	378
B925-R(Trans)	378
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B926R(Trans)	12
B926S(Trans)	12
B926T(Trans)	12
B937(Trans)	254◆
B937A(Trans)	254◆
B937AR(Trans)	254◆
B937R(Trans)	254◆
B938(Trans)	254◆
B938A(Trans)	254◆
B938AR(Trans)	254◆
B938R(Trans)	254◆
B940(Trans)	398#
B940APLB(Trans)	398#
B940LBP(Trans)	398#
B940-P(Trans)	398#
B940PLB(Trans)	398#
B940-Q(Trans)	398#
B941(Trans)	55#
B941-A(Trans)	55#
B941-AP(Trans)	55#
B941-AQ(Trans)	55#
B941-AR(Trans)	55#
B941P	55#
B941Q	55#
B941-R(Trans)	55#
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B942-A(Trans)	55#
B942-AP(Trans)	55#
B942-AQ(Trans)	55#
B942-AR(Trans)	55#
B942-P(Trans)	55#
B942-Q(Trans)	55#
B942-R(Trans)	55#
B943(Trans)	55#
B943-P(Trans)	55#
B943-Q(Trans)	55#
B943-R(Trans)	55#
B944(Trans)	55#
B944-P(Trans)	55#
B944-Q(Trans)	55#
B944-R(Trans)	55#
B945(Trans)	55#
B945-P(Trans)	55#
B945-Q(Trans)	55#
B945-R(Trans)	55#
B946(Trans)	55#
B946-P(Trans)	55#
B946-Q(Trans)	55#
B946-R(Trans)	55#
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B1206(Diode)	116
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B1495(Trans)	262◆
B1496(Trans)	378◆
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B1503	143A
B-1511	121
B1512(Trans)	262◆
B1514(Trans)	262◆
B1515(IC)	1662
B1515(Trans)	254◆
B-1539	121
B-1599	177
B-1666	123A
B-1695	185
B-1702	177
B-1750	179
B-1790	184
B-1808	5072A
B-1823	152
B-1842	123A
B-1872	123A
B-1881U	116(2)

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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B-1910	199
B-1914	121
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B2107A-4(RAM)	2107
B2107A-5(RAM)	2107
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B2107C(RAM)	2107
B2128-15	2128
B2128-20	2128
B2128(RAM)	2128
B2164-15	2164
B2164-20	2164
B2164-25	2164
B2164(RAM)	2164
B2164A-15	2164
B2164A-20	2164
B2164A(RAM)	2164
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B2716	2716
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B2732A-3(EPROM)	2732
B2732A-4(EPROM)	2732
B2732A-20(EPROM)	2732
B2732A-25(EPROM)	2732
B2732A-30(EPROM)	2732
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B2764-45	2764
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B2804D	552
B3015M	558
B3106(IC)	1659
B3164AM(Trans)	2429
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B3468	195A
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B3542	186
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B3586	152
B3588	152
B3589	152
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B3602(PROM)	74S570
B3604(PROM)	74S475
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B3604A(PROM)	74S475
B3605(PROM)	74S572
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B3605A(PROM)	74S572
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B3608(PROM)	74S479
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B3613	186
B3614	186
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B3622(PROM)	74S571
B3624(PROM)	74S474
B3624A-2	74S474
B3624A(PROM)	74S474
B3625(PROM)	74S573
B3625A-1	74S573
B3625A(PROM)	74S573
B3628(PROM)	74S478
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B3628A-1	74S478
B3628A-3	74S478
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B4304	552
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B4306(Diode)	552
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B4402(Diode)	552
B4404(Diode)	552
B4406(Diode)	552
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B5001	186
B5002	152
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B5032	152
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B-6002	145A
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B10069	104
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B10143B	127
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B10475	121
B10912	121
B10913	121
B-12822-2	130
B-12822-4	181
B13517-2	912
B17307	130
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B36564	116
B54731-30	159
B56858-1	548
B56858-1RV	548
B56858-2	548
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B57678-1RV	517◆
B57678-2	517◆
B57678-2RV	517◆
B-75561-31	159
B-75568-2	107
B-75583-1	123A
B-75583-2	123A
B-75583-i02	123A
B-75589-3	123A
B-75589-13	123A
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B82004	6085
B83004(Diode)	586
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B103002	127
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B103004	127
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B143027	152
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BA6A	158
BA8-1A-21	160
BA10C	167
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BA74LS86	74LS86
BA74LS123	74LS123
BA74LS138	74LS138
BA74LS139	74LS139
BA74LS157	74LS157
BA74LS244	74LS244
BA74LS245	74LS245
BA74LS273	74LS273
BA74LS367	74LS367
BA74LS368	74LS368
BA74LS373	74LS373
BA74LS374	74LS374
BA74LS393	74LS393
BA-100	116
BA100	519
BA102A	613
BA102C	614
BA103	519
BA104	519
BA-104	116
BA105	519
BA108	519
BA114	177
BA119	116
BA120	611
BA121	611
BA127	116
BA128	116
BA129	116
BA130	116
BA133	506
BA136A	5800
BA-142-01	116
BA145	506
BA147	177
BA148	506
BA153	116
BA157	552
BA157GP	552
BA158	552
BA158GP	552
BA159	558
BA159GP	558
BA167	177
BA168	177
BA170	177
BA173	552
BA174	177
BA176	587
BA178	555A
BA178M05	960
BA178M05T	1960
BA178M06T	1962
BA178M08T	1964
BA178M09T	1966
BA178M10T	1968
BA178M12T	1970
BA178M15T	1972
BA178M18T	1974
BA178M24T	1976
BA182	555A
BA187	177
BA202	519
BA204	519
BA216	519
BA-217	177
BA217	519
BA218	519
BA218(Diode)	519
BA219	177
BA220	519
BA221	519
BA222	1609
BA222(Diode)	177
BA223	553
BA223-20	525
BA223(IC)	955S
BA243	177
BA243A	177
BA243S	177
BA244	177
BA301	1135
BA301B	1135
BA302	1431
BA302CN	1431
BA-308	1052
BA311	1085
BA312	1433
BA312CN	1433
BA313	1210
BA315	600
BA316	519
BA317	519
BA-317	519
BA318	1241
BA318(Diode)	519
BA328	1659
BA-328	1659
BA328LN	1659
BA-328MR	1659
BA328MR	1659
BA329	1170
BA340	1660
BA401	1104
BA402	1100
BA403	1541
BA423	553
BA430-5	5318
BA430-10	5318
BA430-20	5318
BA430-30	5319
BA430-40	5319
BA430-50	5319
BA430-60	5319
BA430-70	5320
BA430-80	5320
BA430-90	5320
BA430-100	5320
BA481	112
BA482	555A
BA483	555A
BA484	555A
BA-501	1244§
BA501	1244§
BA501(8 PINS)	1244§
BA501(10 PINS)	1165
BA501A	1244§
BA501A(8 PINS)	1244§
BA501A(10 PINS)	1165
BA511A	1165
BA521	1166
BA521A	1166
BA526	1612
BA532	1375
BA532CN	1375
BA532S	1375
BA536	1619§
BA546	1627
BA555	955M
BA715	1529
BA718	1529
BA728	928M
BA728F	928SM
BA847	1636
BA1003	172A
BA1310	1226
BA1310F	1226
BA-1320	1248
BA1320	1248
BA1350	1631
BA2443S	177
BA3704	1562
BA3704CN	1562
BA4220	1557
BA4558	778A
BA4558DX	778A
BA5102	1558
BA5102A	1558
BA5102AN	1558
BA5102S	1558
BA5402A	1619§
BA5406	1619§
BA5408	1619§
BA6122A	1717
BA6124	1561
BA6124C	1561
BA6124CN	1561
BA6144	1866
BA6209	1716
BA6209U	1716
BA6209U1	1716
BA6209U4	1716
BA6219	1766
BA6219B	1766
BA6219B-U2	1766
BA6238A	1834
BA6304	1679
BA6304A	1679
BA6304AL	1679
BA6304CN	1679
BA6304L	1679
BA6418N	7042
BA6993	943M
BA10324	987
BA10324F	987SM
BA10339	834
BA10339F	834SM
BA10358	928M
BA10358F	928SM
BA12001	2011
BA12002	2012
BA12003	2013
BA12004	2014
BA15218	778A
BA15218F	778SM
BA15218N	778S
BA15532	778A
BA17805	960
BA17805T	1960
BA17806T	1962
BA17808T	1964
BA17809T	1966
BA17810T	1968
BA17812T	1970
BA17815T	1972
BA17818T	1974
BA17824T	1976
BAC SHIMI	519
BACSH2M1	123A
BACSH2M2	123A
BACSH2M3	123A
BACSHIMI	519
BACSIM1	519
BACT2F	123A
BAIA4M	2355
BAIF4M	2357
BAIL4M	2359
BAS11	552
BAS15	519
BAS16	593
BAS18	552
BAS19	592
BAS20	592
BAS21	592
BAS29	592
BAS35	596
BAT18	594
BAT81	585◆
BAT82	585◆
BAT83	585◆
BAT85	585◆
BAT86	578
BAV18	519
BAV19	519
BAV20	587
BAV21	177
BAV70	595
BAV74	595
BAV205	5838
BAV206	5842
BAV207	5842
BAV208	5846
BAV209	5846
BAV215	5838
BAV216	5842
BAV217	5842
BAV218	5846
BAV219	5846
BAV225	5838
BAV226	5842
BAV227	5842
BAV228	5846
BAV229	5846
BAV305	5838
BAV306	5842
BAV307	5842
BAV308	5846
BAV309	5846
BAV315	5838
BAV316	5842
BAV317	5842
BAV318	5846
BAV319	5846
BAV325	5838
BAV326	5842
BAV327	5842
BAV328	5846
BAV329	5846
BAV405	5858
BAV406	5862
BAV407	5862
BAV408	5866
BAV409	5866
BAV415	5858
BAV416	5862
BAV417	5862
BAV418	5866
BAV419	5866
BAV425	5858
BAV426	5862
BAV427	5862
BAV428	5866
BAV429	5866
BAV505	5878
BAV506	5882
BAV507	5882
BAV508	5886
BAV509	5886
BAV515	5878
BAV516	5882
BAV517	5882
BAV518	5886
BAV519	5886
BAV525	5878
BAV526	5882
BAV527	5882
BAV528	5886
BAV529	5886
BAV705	5858
BAV706	5862
BAV707	5862
BAV708	5866
BAV709	5866
BAV715	5858
BAV716	5862
BAV717	5862
BAV718	5866
BAV719	5866
BAV725	5858
BAV726	5862
BAV727	5862
BAV728	5866
BAV729	5866
BAV805	5878
BAV806	5882
BAV807	5882
BAV808	5886
BAV809	5886
BAV815	5878
BAV816	5882
BAV817	5882
BAV818	5886
BAV819	5886
BAV825	5878
BAV826	5882
BAV827	5882
BAV828	5886
BAV829	5886
BAW10TF20	177
BAW11TF21	177
BAW12TF22	177
BAW13TF23	177
BAW16	177
BAW17	177
BAW18	177
BAW24	177
BAW24A	177
BAW24B	177
BAW25	177
BAW25A	177
BAW25B	177
BAW41	519
BAW42	519
BAW43	519
BAW45	177
BAW53	177
BAW56	596
BAW59	177
BAW59A	177
BAW59B	177
BAW62	519
BAW63A	177
BAW63B	177
BAW75	519
BAW76	519
BAW99	177
BAX13	519
BAX-13	519
BAX14	587
BAX16	177
BAX-16	177
BAX18	116
BAX18A	116
BAX28	177
BAX30	177
BAX74	177
BAX87	177
BAX87A	177
BAX88TF11	177
BAX89A	177
BAX91C/TF102	519
BAX95TF600	519
BAY15	125
BAY16	125
BAY17	519
BAY18	519
BAY19	587
BAY20	587
BAY23	125
BAY31	177
BAY36	177
BAY38	519
BAY41	177
BAY41A	177
BAY41B	177
BAY44	116
BAY45	116
BAY46	5804
BAY52	177
BAY60	519
BAY64	116
BAY68	177
BAY71	519
BAY73	177
BAY80	587
BAY82	519
BAY86	116
BAY87	116
BAY88	116
BAY89	116
BAY90	125
BAY92	552
BAY93	519
BAZ202	136A
BB1A	552
BB2	552
BB2A	552
BB2A184	116
BB2L	552
BB2T	552
BB3K	552
BB3L	552
BB4	552
BB-4	552
BB4C	552
BB4-FC	552
BB4T	552
BB-6	552
BB6	552
BB6S	506
BB-8	558
BB10	506
BB-10S	506
BB10T	506
BB-42-1B	1112
BB71	123A
BB100	614
BB-103	614
BB-103BL	614
BB104	614
BB105	611
BB105A	611
BB105B	616
BB105G	616
BB106	613
BB107	116
BB109	616
BB109G	614
BB112	618
BB117	611
BB121	612
BB121A	612
BB121B	616
BB122	612
BB127	116
BB142	612
BB204B	617
BB204G	617
BB205G	611
BB221	616
BB-1033L	614
BBCC106-200	5437
BBCC106-300	5437
BBCC106-400	5437
BBCC106-500	5438
BBCC106-600	5438
BBGS	506
BBY17	610
BC-05	166
BC-075	138A
BC-1	166
BC-2	167
BC-4	168
BC-6	169
BC-8	170
BC-10	170
BC20C	199
BC25BB	159
BC-71	123A
BC71	123A
BC100	154
BC103	128
BC103C	128
BC107	123A
BC-107	123A
BC107A	123A
BC107a	123A
BC-107A	123A
BC107AP	123AP
BC107B	123A
BC107BP	123AP
BC107/C	123A
BC-108	123A
BC108	123A
BC108A	123A
BC108AP	123AP
BC108B	123A
BC-108B	123A
BC108BP	123AP
BC108C	199
BC108CP	123AP
BC109	123A
BC109/A	123A
BC-109B	123A
BC109B	123A
BC109BP	123AP
BC109C	199
BC109CP	123AP
BC110	123A
BC111	108
BC112	108
BC112/02	108
BC113	123A
BC114	123A
BC-114	123A
BC114TR	123A
BC115	123A
BC116	159
BC116A	159
BC117	128
BC118	123A
BC-119	128
BC119	128
BC120	128
BC-121	123A
BC-122	123A
BC-123	123A
BC125	123A
BC125A	123A
BC125B	123A
BC126	159
BC126-1	159
BC127	199
BC128	199
BC129	123A
BC130	123A
BC131	123A
BC132	123A
BC134	123A
BC135	123A
BC136	123A
BC137	159
BC137-1	159
BC-138	128
BC138	128
BC139	129
BC-140	128
BC140	128
BC140-6	128
BC140-10	128
BC140-16	128
BC140-25	128
BC-140A	128
BC-140B	128
BC-140C	128
BC140C	128
BC-140D	128
BC140D	128
BC-141	128
BC141	128
BC141-6	128
BC141-10	128
BC141-16	128
BC141-25	128
BC142	128
BC-142	128
BC142-10	128
BC142-16	128
BC143	129
BC144	128
BC145	324
BC146	199
BC146/03	199
BC146(Gold)	85◆
BC146(Red)	85◆
BC147	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BC147A	123A
BC147B	123AP
BC148	123A
BC-148A	123A
BC148A	123A
BC-148B	123A
BC148B	123A
BC148C	123A
BC-148C	123A
BC149	123A
BC149A	123A
BC149B	123A
BC149C	123AP
BC149G	123A
BC150	123A
BC151	123A
BC152	123A
BC153	234
BC153-1	159
BC154	234
BC154-1	159
BC155	107
BC155A	108
BC155B	123A
BC155C	199
BC156	107
BC156A	108
BC156B	123A
BC156C	199
BC157	159
BC157-1	159
BC157A	159
BC157B	159
BC158	159
BC158-1	159
BC158A	159
BC158A-1	159
BC158B	159
BC158B-1	159
BC158C(CBE)	234
BC159	159
BC159-1	159
BC159A	159
BC159A-1	159
BC159B	159
BC159B-1	159
BC160	129
BC160-6	129
BC160-10	129
BC160-16	129
BC160-25	129
BC161	129
BC161-6	129
BC161-10	129
BC161-16	129
BC161-25	129
BC167	85
BC167A	85
BC167B	85
BC168	85
BC168A	85
BC168B	85
BC168C	199
BC169	85
BC169A	85
BC169B	85
BC169C	199
BC169CL	199
BC170	123A
BC170A	123A
BC170B	123A
BC170C	123A
BC171	123A
BC171A	123A
BC171B	123A
BC172	123A
BC172A	123A
BC172B	123A
BC172C	123A
BC173	123AP
BC173A	123AP
BC173B	123AP
BC173C	123AP
BC174	123AP◆
BC174A	123AP◆
BC174B	123AP◆
BC175	123A
BC177	159
BC177-1	159
BC177A	159
BC177A-1	159
BC177AP	159
BC177B	159
BC177B-1	159
BC177BP	159
BC177V	159
BC177V1	159
BC177V-1	159
BC177V1-1	159
BC178	159
BC178-1	159
BC178A	159
BC178A-1	159
BC178AP	159
BC178B	159
BC178B-1	159
BC178BP	159
BC178C	234
BC178D	159
BC178D-1	159
BC178V	159
BC178V1	159
BC178V-1	159
BC178V1-1	159
BC179	234
BC179-1	159
BC179A	234
BC179A-1	159
BC179B	234
BC179B-1	159
BC179BP	159
BC179C	234◆
BC179CB	234◆
BC180	123A
BC180b	123A
BC181	159
BC181A	159
BC181A-1	159
BC182(CBE)	123AP
BC182A(CBE)	123AP
BC182AP(CBE)	123AP
BC182B(CBE)	123AP
BC182BP(CBE)	123AP
BC182K(CBE)	123AP
BC182KA(CBE)	123AP
BC182KB(CBE)	123AP
BC182L(CBE)	123AP
BC182LA(CBE)	123AP
BC182P(CBE)	123AP
BC183(CBE)	123AP
BC183A(CBE)	123AP
BC183AP(CBE)	123AP
BC183B(CBE)	123AP
BC183BP(CBE)	123AP
BC183C(CBE)	47
BC183KB(CBE)	123AP
BC183L(CBE)	123AP
BC183LA(CBE)	123AP
BC183LB(CBE)	123AP
BC183P(CBE)	123AP
BC184	123A
BC184B	123A
BC184BP	123AP
BC184C	123A
BC184CP	123AP
BC184K	123A
BC184KB	123A
BC184L	199
BC184P	123AP
BC185	123A
BC186	159
BC187	159
BC187-1	159
BC188	107
BC189	107
BC190	123AP
BC190B	123A
BC192	159
BC192-1	159
BC194	108
BC194B	108
BC195	108
BC195CD	108
BC196	159
BC196-1	159
BC196A	159
BC196A-1	159
BC196B	159
BC196B-1	159
BC196V1	159
BC196V1-1	159
BC197	123A
BC197A	123A
BC197B	123A
BC198	123A
BC199	123A
BC200/02	290A
BC200(Green)	290A◆
BC200(Red)	290A◆
BC200(Yellow)	290A◆
BC204	234
BC204-1	159
BC204-6	159
BC204A	234
BC204A-1	159
BC204B	234
BC204B-1	159
BC204V	159
BC204V1	159
BC204V-1	159
BC204V1-1	159
BC205	159
BC205-1	159
BC205A	159
BC205A-1	159
BC205B	234
BC205B-1	159
BC205C	234
BC205L	106
BC205V	159
BC205V-1	159
BC205V1	159
BC205V1-1	159
BC206	234
BC206-1	159
BC206A	159
BC206B	234
BC206B-1	159
BC206C	234
BC207	123A
BC-207	116
BC207A	123A
BC207B	123A
BC207BL	123A
BC208	123A
BC208A	123A
BC208AL	123A
BC208B	123A
BC208BL	123A
BC208C	123A
BC208CL	123A
BC209	123A
BC209/7825B	199
BC209A	123A
BC209B	123A
BC209BL	123A
BC209C	123A
BC209CL	123A
BC210	123A
BC211	128
BC211A	128
BC212-1(CBE)	159
BC212(CBE)	159
BC212A(CBE)	159
BC212AP(CBE)	159
BC212B(CBE)	159
BC212BP(CBE)	159
BC212K-1(CBE)	159
BC212K(CBE)	159
BC212KA-1(CBE)	159
BC212KA(CBE)	159
BC212KB-1(CBE)	159
BC212KB(CBE)	159
BC212L-1(CBE)	159
BC212L(CBE)	159
BC212LA-1(CBE)	159
BC212LA(CBE)	159
BC212LB-1(CBE)	159
BC212LB(CBE)	159
BC212P(CBE)	159
BC212VI(CBE)	159
BC213-1(CBE)	159
BC213(CBE)	159
BC213A(CBE)	159
BC213AP(CBE)	159
BC213B(CBE)	159
BC213BP(CBE)	159
BC213K-1(CBE)	159
BC213K(CBE)	159
BC213KA-1(CBE)	159
BC213KA(CBE)	159
BC213KB-1(CBE)	159
BC213KB(CBE)	159
BC213L-1(CBE)	159
BC213L(CBE)	159
BC213LA-1(CBE)	159
BC213LA(CBE)	159
BC213LB-1(CBE)	159
BC213LB(CBE)	159
BC213P(CBE)	159
BC214	159
BC214-1	159
BC214A	159
BC214B	159
BC214BP	193A
BC214CP	159
BC214K	159
BC214K-1	159
BC214KA	159
BC214KA-1	159
BC214KB	159
BC214KB-1	159
BC214KC	159
BC214KC-1	159
BC214L	159
BC214L-1	159
BC214LA	159
BC214LA-1	159
BC214LB	159
BC214LB-1	159
BC214LC	159
BC214LC-1	159
BC214P	159
BC216	128
BC216A	128
BC216B	128
BC220	123A
BC221	159
BC221-1	159
BC222	123A
BC223A	123A
BC223B	123A
BC224	234
BC225	234
BC225-1	159
BC226	192§
BC231A	290A
BC231B	290A
BC231M	129
BC232A	289A
BC232B	289A
BC232M	128
BC233A	123A
BC237-18(CBE)	123AP
BC237(CBE)	123AP
BC237A5(CBE)	123AP
BC237A18(CBE)	123AP
BC237A(CBE)	123AP
BC237AP(CBE)	123AP
BC237B5(CBE)	123AP
BC237B18(CBE)	123AP
BC237B(CBE)	123AP
BC237BP(CBE)	123AP
BC237C5(CBE)	47
BC237C18(CBE)	47
BC237C(CBE)	47
BC238-5(CBE)	123AP
BC238-18(CBE)	123AP
BC238(CBE)	123AP
BC238A5(CBE)	123AP
BC238A18(CBE)	123AP
BC238A(CBE)	123AP
BC238AP(CBE)	123AP
BC238B5(CBE)	123AP
BC238B18(CBE)	123AP
BC238B(CBE)	123AP
BC238BP(CBE)	123AP
BC238C5(CBE)	47
BC238C18(CBE)	47
BC238C(CBE)	47
BC238CP(CBE)	47
BC239-5(CBE)	123AP
BC239-18(CBE)	123AP
BC239(CBE)	123AP
BC239A(CBE)	123AP
BC239B5(CBE)	123AP
BC239B18(CBE)	123AP
BC239B(CBE)	123AP
BC239BP(CBE)	123AP
BC239C5(CBE)	47
BC239C18(CBE)	47
BC239C(CBE)	47
BC239CP(CBE)	47
BC240A	288
BC250	159
BC250-1	159
BC250A	159
BC250A-1	159
BC250B	159
BC250B-1	159
BC250C	159
BC250C-1	159
BC251	108
BC251A	159
BC251A-1	159
BC251B	159
BC251B-1	159
BC251C	159
BC251C-1	159
BC252	159
BC252-1	159
BC252A	159
BC252A-1	159
BC252B	159
BC252B-1	159
BC252C	159
BC252C-1	159
BC253	159
BC253-1	159
BC253A	159
BC253A-1	159
BC253B	159
BC253B-1	159
BC253C	159
BC253C-1	159
BC254	289A
BC255	289A
BC256	159
BC256-1	159
BC256A	159
BC256A-1	159
BC256B	159
BC256B-1	159
BC256C-1	159
BC257	159
BC257-1	159
BC257A	159
BC257B	193A
BC257VI	159
BC258	159
BC258-1	159
BC258A	159
BC258B	193A
BC258VI	159
BC259	159
BC259-1	159
BC259A	159
BC259B	193A
BC260	159
BC260-1	159
BC260A	159
BC260A-1	159
BC260B	159
BC260B-1	159
BC260C	159
BC260C-1	159
BC-261	159
BC261	159
BC261A	159
BC261A-1	159
BC261B	159
BC261B-1	159
BC261C	159
BC261C-1	159
BC262	159
BC262-1	159
BC262A	159
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BC479B	159
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BC560PAL	159
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BC560PB	159
BC560PBK	159

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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BC560PC(CBE)	234◆
BC560PCK(CBE)	234◆
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BC560PCM(CBE)	234◆
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BC583A	123AP
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BC-584	123AP
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BC635-10	382
BC635-16	382
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BC636	383
BC636-6	383
BC636-10	383
BC636-16	383
BC637	382
BC637-6	382
BC637-10	382
BC637-16	382
BC637/BC638	383 + 382(CP)
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BC638-6	383
BC638-10	383
BC638-16	383
BC639	382
BC639-6	382
BC639-10	382
BC639-16	382
BC640	383
BC640-6	383
BC640-10	383
BC640-16	383
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BC728	129
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BC737-10	192§
BC738	199
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BC808-16	2407
BC808-25	2407
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BC-1029-CR	7454
BC-1029-CS	7474
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BC-1029-CU	7476§
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BCW63B	2407
BCW64	2407
BCW64A	2407
BCW64B	2407
BCW65	2406
BCW65A	2406
BCW65B	2406
BCW66	2406
BCW66F	2406
BCW66G	2406
BCW66H	2406
BCW67	2406
BCW67A	2406
BCW67B	2406
BCW67C	2406
BCW68	2406
BCW68F	2406
BCW68G	2406
BCW69	2409
BCW70	2409
BCW71	2408
BCW72	2408
BCW73	123A
BCW73-16	123A
BCW73-25	123A
BCW74	123A
BCW74-16	123A
BCW74-25	123A
BCW75-10	159
BCW75-16	159
BCW75-25	159
BCW76-10	159
BCW76-16	159
BCW77-16	128
BCW77-25	128
BCW78	128
BCW78-16	128
BCW78-25	128
BCW79-10	129
BCW79-16	129
BCW79-25	129
BCW80	129
BCW80-10	129
BCW80-16	129
BCW80-25	129
BCW81	2406
BCW82	85◆
BCW82A	85◆
BCW82B	85◆
BCW83	85
BCW83A	85
BCW83B	85
BCW84	85◆
BCW84B	85◆
BCW85(CBE)	159
BCW86(CBE)	159
BCW89	2410
BCW90	123A
BCW90A	123A
BCW90B	123A
BCW90C	123A
BCW90K	192§
BCW90KA	192§
BCW90KB	192§
BCW90KC	192§
BCW91(EBC)	289A
BCW91A(EBC)	289A
BCW91B	289A
BCW91K	192§
BCW91KA	192§
BCW91KB	192§
BCW92	129
BCW92A	129
BCW92K	129
BCW92KA	129
BCW92KB	129
BCW93	129
BCW93A	129
BCW93B	159
BCW93K	193
BCW93KA	129
BCW93KB	129
BCW94	123AP
BCW94A	123AP
BCW94B	123AP
BCW94C	123AP
BCW94K	123AP
BCW94KA	123AP
BCW94KB	123AP
BCW94KC	123AP
BCW95	128
BCW95(EBC)	289A
BCW95A	289A
BCW95B	289A
BCW95K	192A§
BCW95KA	192A§
BCW95KB	192A§
BCW96	159
BCW96A	159
BCW96B	159
BCW96K	193
BCW96KA	159
BCW96KB	159
BCW97	159
BCW97A	159
BCW97B	159
BCW97K	159
BCW97KA	159
BCW97KB	159
BCX10	129
BCX17	2407
BCX18	2407
BCX19	2406
BCX20	2406
BCX22	154
BCX23	383
BCX24	154
BCX26	159
BCX30	383
BCX31	128
BCX31(EBC)	382
BCX32	128
BCX33	128
BCX34	128
BCX35	159
BCX36	159
BCX38A(EBC)	2341◆
BCX45	159
BCX46	159
BCX46(EBC)	382
BCX47	382
BCX49	382
BCX50	159
BCX51	2429
BCX52	2429
BCX53	2429◆
BCX54	2428
BCX55	2428
BCX56	2428◆
BCX58	123AP
BCX58-7	123AP
BCX58-8	123AP
BCX59	123AP
BCX59-7	123AP
BCX59-8	123AP
BCX68	2428
BCX69	2429
BCX70	2408
BCX70G	2408
BCX70H	2408
BCX70J	2408
BCX71	2409
BCX71G	2409
BCX71H	2409
BCX71J	2409
BCX78	159
BCX78-7	159
BCX78-8	159
BCX78(CBE)	159
BCY79	159
BCY79-7	159
BCY79-8	159
BCY79(CBE)	159
BCY10	159
BCY10A	159
BCY11	159
BCY11A	159
BCY12	159
BCY12A	159
BCY13	123A
BCY15	123A
BCY16	123A
BCY17	129
BCY18	129
BCY19	129
BCY21	129
BCY22	129
BCY23	129
BCY24	129
BCY25	129
BCY26	129
BCY27	129
BCY28	129
BCY29	129
BCY30	129
BCY31	129
BCY32	129
BCY33	129
BCY34	129
BCY34A	129
BCY35	159
BCY35A	159
BCY36	123A
BCY37	159
BCY37A	159
BCY38	159
BCY38A	159
BCY39	159
BCY39A	159
BCY40	159
BCY40A	159
BCY42	123A
BCY43	123A
BCY46	128
BCY47	128
BCY48	128
BCY49	128
BCY50	123A
BCY-50	123A
BCY50I	123A
BCY51	123A
BCY51I	123A
BCY54	159
BCY54A	159
BCY56	123A
BCY57	123A
BCY-58	123A
BCY58	123A
BCY58A	123A
BCY58AP	123AP
BCY58B	123A
BCY58BP	123AP
BCY58C	123A
BCY58CP	123AP
BCY58D	123A
BCY58DP	123AP
BCY58IX	123A
BCY58VII	123A
BCY58VIII	123A
BCY59	123A
BCY59-7	123A
BCY59-8	123A
BCY59-9	123A
BCY59A	123A
BCY59AP	123AP
BCY59B	123A
BCY59BP	123AP
BCY59C	123A
BCY59CP	123AP
BCY59D	123A
BCY59DP	123AP
BCY59IX	123A
BCY59VII	123A
BCY59VIII	123A
BCY65	128
BCY65E	123A
BCY65EAP	123AP
BCY65EBP	123AP
BCY65ECP	123AP
BCY65IX	123A
BCY65VII	123A
BCY65VIII	123A
BCY66	128
BCY67	129
BCY69	123A
BCY70	159
BCY70A	159
BCY71	159
BCY71A	159
BCY72	159
BCY72A	159
BCY76	123A
BCY77A	159
BCY77AP	159
BCY77B	159
BCY77BP	159
BCY77C	159
BCY77VII	159
BCY77VIII	159
BCY78	159
BCY78A	129
BCY78AP	159
BCY78B	129
BCY78BC	159
BCY78CP	159
BCY78V11	159
BCY78V111	159
BCY78VII	159
BCY78VIII	159
BCY79	159
BCY79AP	159
BCY79BP	159
BCY79CP	159
BCY79VII	159
BCY79VIII	193
BCY84A	123A
BCY85	128
BCY85(EBC)	289A
BCY86	128
BCY86(EBC)	289A
BCY90	159
BCY90A	159
BCY90B	159
BCY90B-1	159
BCY91	159
BCY91A	159
BCY91B	159
BCY91B-1	159
BCY92	159
BCY92A	159
BCY92B	159
BCY92B-1	159
BCY93	159
BCY93A	159
BCY93B	159
BCY93B-1	159
BCY94	159
BCY94A	159
BCY94B	159
BCY94B-1	159
BCY95	159
BCY95A	159
BCY95B	159
BCY95B-1	159
BCY96	129
BCY96B	129
BCY97	129
BCY97B	129
BCY98	159
BCY98A	159
BCY98B	159
BCY98B-1	159
BCY327AP	159
BCY443	128
BCY501	123A
BCY511	123A
BCY771X	159
BCZ10	159
BCZ10A	159
BCZ10B	159
BCZ10C	159
BCZ11	159
BCZ11A	159
BCZ12	159
BCZ12A	159
BCZ12B	159
BCZ12C	159
BCZ13	159
BCZ13A	159
BCZ13B	159
BCZ13C	159
BCZ13D	159
BCZ13E	159
BCZ13F	159
BCZ13G	159
BCZ13H	159
BCZ14	159
BCZ14A	159
BCZ14B	159
BCZ14C	159
BCZ14D	159
BCZ14E	159
BCZ14F	159
BD-00072	103A
BD-1A	116(2)
BD3A-1B4	166
BD-3A184	166
BD3A-184	5809
BD28	6407
BD71	108
BD106	152
BD106A	152
BD106B	152
BD-107	116
BD-107(Rect.)	116
BD107A	152
BD107B	152
BD109	152
BD111	130
BD111A	328
BD112	328
BD113	229
BD115	154
BD116	328
BD117	284
BD118	328
BD119	286
BD120	286
BD121	328
BD123	328
BD124	152
BD127	157
BD128	2327
BD129	2327
BD130	130
BD131	184◆
BD132	185◆
BD135	373
BD135-6	373
BD135-10	373
BD135/16	373
BD135/BD136	374 + 373(CP)
BD136	374
BD136-6	374
BD136-10	374
BD136-16	374
BD137	373
BD137/BD138	374 + 373(CP)
BD138	374
BD139	373
BD139/BD140	374 + 373(CP)
BD140	374
BD141	280
BD142	130
BD144	162
BD145	328
BD149	184
BD151	185
BD152	185
BD153	184
BD154	184
BD155	184
BD156	185
BD157	157
BD158	157
BD160	389
BD162	152
BD163	152
BD165	184
BD166	185
BD167	184
BD168	185
BD169	184
BD170	374
BD175	184
BD176	185
BD177	184
BD178	185
BD179	184
BD180	185
BD181	130
BD182	130
BD183	284
BD183ELK	130
BD184	284
BD185	184
BD186	185
BD187	184
BD188	185
BD189	184
BD190	185
BD195	182§
BD196	183§
BD197	182§
BD198	183§
BD199	182§
BD200	183§
BD201	331
BD201/BD202	332MCP
BD201F	331#
BD202	332
BD202F	332#
BD203	331
BD203/BD204	332 + 331(CP)
BD203F	331#
BD204	332
BD204F	332#
BD205	182§
BD206	183§
BD207	182§
BD208	183§
BD220	152
BD221	152
BD222	152
BD223	153
BD224	153
BD225	153
BD226	184
BD227	185
BD228	184
BD229	185
BD231A	152
BD232	157
BD233	184
BD233/BD234	185 + 184(CP)
BD234	185
BD235	184
BD235/01	184
BD236	185
BD239	291
BD239A	291
BD239B	291
BD239C	291
BD240	292
BD240A	292
BD240B	292
BD240C	292
BD241	291
BD241A	291
BD241B	291
BD241C	291
BD242	292
BD242A	292

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BD242B	292
BD242C	292
BD243	377
BD243A	377
BD243B	377
BD244	378
BD244A	378
BD244B	378
BD245	390
BD245A	390
BD245B	390
BD245C	390
BD246	393
BD246A	393
BD246B	393
BD246C	393
BD249	392
BD249A	392
BD249B	392
BD249C	392
BD250	393
BD250A	393
BD250B	393
BD250C	393
BD257	392
BD258	393
BD262	254
BD262A	254
BD263	253
BD264	264
BD264A	264
BD265	263
BD266	264
BD266A	264
BD266A/BD267A	263 + 264(CP)
BD266B	264
BD266B/BD267B	263 + 264(CP)
BD266/BD267	185MCP
BD267	263
BD267A	263
BD267B	263
BD271	152
BD272	153
BD273	196
BD274	292
BD275	196
BD276	197
BD276B	263
BD277	331
BD278	196
BD304/B	378
BD311	284
BD312	285
BD313	284
BD314	285
BD315	388
BD316	68
BD317	388
BD318	68
BD331	2345
BD332	2346
BD333	2345
BD334	2346
BD335	2345
BD336	2346
BD337	2345
BD338	2346
BD344	185
BD348	185
BD349	184
BD373D	31◆
BD375	184
BD375/BD376	185MCP
BD376	185
BD377	184
BD378	185
BD415	49
BD416	50
BD417	49
BD418	50
BD419	49
BD420	50
BD433	184
BD434	185
BD435	184
BD435/BD436	153MCP
BD436	185
BD437	184
BD438	185
BD439	184
BD440	185
BD441	184
BD442	185
BD446A	254
BD462	185
BD464	183§
BD517	188
BD533	152
BD534	153
BD534L	153
BD535	152
BD535/A	152
BD536	153
BD537	196
BD538	197
BD543	331
BD543A	331
BD543B	331
BD543C	331
BD543D	54
BD544	332
BD544A	332
BD544B	332
BD544C	332
BD544D	55
BD550	87
BD550B	87
BD561	184
BD562	185
BD575	241
BD576	242
BD577	241
BD578	242
BD580	242
BD585	241
BD586	242
BD587	241
BD588	242
BD589	241
BD590	242
BD596	153
BD605	332◆
BD606	332◆
BD607	332◆
BD608	332◆
BD643	263
BD643F	263#
BD644	264
BD644F	264#
BD645	263
BD645F	263#
BD646	264
BD646F	264#
BD647	263
BD647/BD648	263 + 264(CP)
BD647F	263#
BD648	264
BD648F	264#
BD649	263
BD649F	263#
BD650	264
BD650F	264#
BD651	2345
BD651F	2345#
BD652	2344
BD652F	2344#
BD675	253
BD675A	253
BD676	254
BD676A	254
BD677	253
BD677A	253
BD678	254
BD678A	254
BD679	253
BD679A	253
BD679/BD680	253 + 254(CP)
BD680	254
BD680A	254
BD681	253
BD682	254
BD697	270
BD698	271
BD705	331
BD706	332
BD707	331
BD708	332
BD709	331
BD710	332
BD711	331
BD712	332
BD719	184
BD720	185
BD721	184
BD722	185
BD776	254◆
BD777	253◆
BD778	254◆
BD779	253◆
BD780	254◆
BD785	184
BD786	185
BD787	184
BD788	185
BD789	184
BD790	189
BD795	331
BD796	332
BD797	331
BD798	332
BD799	331
BD800	332
BD801	331
BD802	332
BD805	331
BD806	332
BD807	331
BD808	332
BD809	331
BD810	332
BD825(ECB)	186A
BD826(ECB)	187A
BD827(ECB)	186A
BD828(ECB)	187A
BD839(ECB)	186A
BD840(ECB)	187A
BD841(ECB)	49
BD842(ECB)	50
BD843(ECB)	49
BD844(ECB)	50
BD875	253
BD876	254
BD877	253
BD878	254
BD895	2343
BD895A	2343
BD896	2344
BD896A	2344
BD897	2343
BD897A	2343
BD898	2344
BD898A	2344
BD899	2343
BD899A	2343
BD900	2344
BD900A	2344
BD901	2343
BD902	2344
BD905	331
BD906	332
BD907	331
BD907B	331
BD908	332
BD909	331
BD910	332
BD911	331
BD912	332
BD933	54
BD933F	54#
BD934	55
BD934F	55#
BD935	54
BD935F	54#
BD936	55
BD936F	55#
BD937	54
BD937F	54#
BD938	55
BD938F	55#
BD939	54
BD939F	54#
BD940	55
BD940F	55#
BD941	54
BD941F	54#
BD942	55
BD942F	55#
BD943	152
BD943F	152#
BD944	153
BD944F	153#
BD945	152
BD945F	152#
BD946	153
BD946F	153#
BD947	152
BD947F	152#
BD948	153
BD948F	153#
BD949	152
BD949F	152#
BD950	153
BD950F	153#
BD951	377
BD951F	331#
BD952	378
BD952F	332#
BD953	54
BD953F	331#
BD954	55
BD954F	332#
BD955	54
BD955F	54#
BD956	55
BD956F	55#
BD8214CN	8214§
BD70932	4093B
BDOA	166
BDP42C	332
BDT21	2315
BDT29	291
BDT29A	291
BDT29AF	291#
BDT29B	291
BDT29BF	291#
BDT29C	54
BDT29CF	54#
BDT29F	291#
BDT30	292
BDT30A	292
BDT30AF	292#
BDT30B	292
BDT30BF	292#
BDT30C	55
BDT30CF	55#
BDT30F	292#
BDT31	291
BDT31A	291
BDT31AF	291#
BDT31B	291
BDT31BF	291#
BDT31C	291
BDT31CF	291#
BDT31F	291#
BDT32	292
BDT32A	292
BDT32AF	292#
BDT32B	292
BDT32BF	292#
BDT32C	292
BDT32CF	292#
BDT32F	292#
BDT41	331
BDT41A	331
BDT41AF	331#
BDT41F	331#
BDT42	332
BDT42A	332
BDT42AF	332#
BDT42F	332#
BDT60	262
BDT60A	262
BDT60AF	262#
BDT60B	262
BDT60BF	262#
BDT60C	2344
BDT60CF	2344#
BDT60F	262#
BDT61	261
BDT61A	261
BDT61AF	261#
BDT61B	261
BDT61BF	261#
BDT61C	2343
BDT61CF	2343#
BDT61F	261#
BDT62	264
BDT62A	264
BDT62AF	264#
BDT62B	264
BDT62BF	263#
BDT62C	2344
BDT62CF	2344#
BDT62F	264#
BDT63	263
BDT63A	263
BDT63AF	263#
BDT63B	263
BDT63BF	263#
BDT63C	2343
BDT63CF	2343#
BDT63F	263#
BDT64	2344◆
BDT64A	2344◆
BDT64AF	2344#
BDT64B	2344◆
BDT64BF	2344#
BDT64C	2344◆
BDT64CF	2344#
BDT64F	2344#
BDT65	2343◆
BDT65A	2343◆
BDT65AF	2343#
BDT65B	2343◆
BDT65BF	2343#
BDT65C	2343◆
BDT65CF	2343#
BDT65F	2343#
BDT81F	331#
BDT82F	332#
BDT83F	331#
BDT84F	332#
BDT85F	331#
BDT86F	332#
BDT91	331
BDT91F	331#
BDT92	332
BDT92F	332#
BDT93	331
BDT93F	331#
BDT94	332
BDT94F	332#
BDT95	331
BDT95F	331#
BDT96	332
BDT96F	332#
BDV64	271
BDV64A	271
BDV64B	271
BDV65	270
BDV65A	270
BDV65B	270
BDV81	2305
BDV82	2306
BDV83	2305
BDV84	2306
BDV85	2305
BDV86	2306
BDV91	390
BDV92	391
BDV93	390
BDV94	391
BDV95	390
BDV96	391
BDW23	261
BDW23A	261
BDW23B	261
BDW23C	2343
BDW24	262
BDW24A	262
BDW24B	262
BDW24C	2344
BDW51	60
BDW51A	60
BDW51B	60
BDW51C	60
BDW52	61
BDW52A	61
BDW52B	61
BDW52C	61
BDW54A	262
BDW54B	262
BDW54C	262
BDW93	2343
BDW93A	2343
BDW93B	2343
BDW93C	2343
BDW94	2344
BDW94A	2344
BDW94B	2344
BDW94C	2344
BDX10	130
BDX13	181
BDX18	219
BDX18N	219
BDX20	285
BDX23	284
BDX24	280
BDX32	389
BDX33	263
BDX33A	263
BDX33B	263
BDX33C	2343
BDX33D	2343
BDX34	264
BDX34A	264
BDX34B	264
BDX34C	2344
BDX40	284
BDX41	284
BDX42	253
BDX43	253
BDX45	254
BDX46	254
BDX50	284
BDX51	284
BDX53	263
BDX53A	263
BDX53B	263
BDX53C	2343
BDX54	264
BDX54A	264
BDX54B	264
BDX54C	264
BDX60	284
BDX61	181
BDX62	244
BDX62A	244
BDX62B	2350
BDX62C	2350
BDX63	243
BDX63A	243
BDX63B	2349
BDX63C	2349
BDX64	248
BDX64A	248
BDX64B	248
BDX64/BD65	248 + 247(CP)
BDX64C	2350
BDX65	247
BDX65A	247
BDX65B	247
BDX65C	2349
BDX66	250
BDX66A	250
BDX66B	250
BDX66C	2350
BDX67	249
BDX67A	249
BDX67B	249
BDX67C	2349
BDX68	2350
BDX68A	2350
BDX68B	2350
BDX68C	2350
BDX69	2349
BDX69A	2349
BDX69B	2349
BDX69C	2349
BDX70	196
BDX71	196
BDX72	196
BDX73	196
BDX74	152
BDX75	152
BDX77	331
BDX77F	331#
BDX78	332
BDX78F	332#
BDX83	247
BDX83A	247
BDX83B	247
BDX83C	247
BDX85	247
BDX85A	247
BDX85B	247
BDX85C	247
BDX86	248
BDX86A	248
BDX86B	248
BDX86C	248
BDX87	247
BDX87A	247
BDX87B	247
BDX87C	247
BDX88	248
BDX88A	248
BDX88B	248
BDX88C	248
BDX91	280
BDX92	281
BDX93	280
BDX94	281
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BDY77	284
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BE6A	100
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BE-66	123A
BE71	128
BE107	116
BE117	116
BE127	116
BE173	107
BF1	102A
BF1A	102A
B-F1A	102A
BF2	102A
BF5	121
BF40B8H	5309◆
BF44	102A
BF60B8L	5329◆
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BF-66	123A
BF71	123A
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BF110	154
BF111	154
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BF121	107
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BF140R	154
BF140S	154
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BF154	311
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BF155R	154
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BF189	123A
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BF194A	108
BF194B	107
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BF208	161
BF209	161
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BF233-2	229
BF233-3	229
BF233-4	108
BF233-5	161
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BF235	108
BF236	108
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BF240B	229
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BF290	161
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BF293	123A
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BF299	288
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BF305	154
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BF369	123AP
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BF470	39◆
BF470S	39
BF471	157◆
BF471S	157
BF472	39◆
BF472S	39
BF483	399
BF491	288
BF492	288
BF493	288
BF494	229
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BF495	229
BF496	108
BF505	229
BF507	229
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BF536	2401
BF540	159
BF541	159
BF542	159
BF550	2408
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BF594	229
BF595	229
BF599	2406
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BR84D	168
BR-84D	168
BR84DL	168
BR86D	169
BR-86D	169
BR86DL	169
BR88D	170
BR-88D	170
BR88DL	170
BR90A	5340
BR91A	5340
BR92A	5313
BR94A	5342
BR96A	5342
BR98A	5344
BR100	6408
BR100/03	6408
BR101B	152
BR103	5400
BR136F-800G	5620
BR151	5322
BR152	5322
BR154	5324
BR156	5326
BR158	5327
BR251	5322
BR252	5322
BR254	5324
BR256	5326
BR258	5327
BR351	5340
BR352	5340
BR354	5342
BR356	5342
BR358	5344
BR-805D	166
BR805D	166
BR805DL	166
BR-810D	170
BR810D	170
BR810DL	170
BR-832	159
BR1505	5322
BR1510	5328
BR2505	5322
BR2510	5328
BR3505	5340
BR3510	5344
BR51400-1	116
BR51401-2	116
BR(Okidata)	2429
BRA40	5314
BRC-116	130
BRC5296	152
BRC-5496	196
BRC6109	197
BRN-SPEC-24-12	519
BRRS401L	5318
BRX44	5400
BRX45	5401
BRX46	5402
BRX47	5404
BRX48	5405
BRX49	5405
BRX60	5412
BRX61	5413
BRX62	5414
BRX64	5415
BRX65	5416
BRX66	5416
BRY41-50	5640
BRY41-100	5640
BRY41-200	5641
BRY41-300	5642
BRY41-400	5642
BRY41-500	5643
BRY41-600	5643
BRY45-50	5640
BRY45-100	5640
BRY45-200	5641
BRY45-300	5642
BRY45-400	5642
BRY45-500	5643
BRY45-600	5643
BRY54-100	5408
BRY54-100T	5408
BRY54-300	5409
BRY54-400	5409
BRY54-500	5410
BRY54-600	5410
BRY55-30	5400
BRY55-60	5401
BRY55-100	5402
BRY55-200	5404
BRY55-300	5405
BRY4150	5640
BRY4550	5640
BRY41100	5640
BRY41200	5641
BRY41300	5642
BRY41400	5642
BRY41500	5643
BRY41600	5643
BRY45100	5640
BRY45200	5641
BRY45300	5642
BRY45400	5642
BRY45500	5643
BRY45600	5643
BS08H	5651
BS1	116
BS-1	167
BS2	116
BS6-01A	5673
BS6-02A	5673
BS6-03A	5675
BS6-04A	5675
BS6-05A	5677
BS6-06A	5677
BS7-02A	56004
BS7-04A	56006
BS7-05A	56008
BS7-06A	56008
BS7-07A	56010
BS7-08A	56010
BS8-01A	5673
BS8-02A	5673
BS8-03A	5675
BS8-04A	5675
BS8-05A	5677
BS8-06A	5677
BS9-02A	56004
BS9-04A	56006
BS9-05A	56008
BS9-06A	56008
BS9-07A	56010
BS9-08A	56010
BS10-01A	5673
BS10-02A	5673
BS10-03A	5675
BS10-04A	5675
BS10-05A	5677
BS10-06A	5677
BS-60	172A
BS-66	123A
BS67	123A
BS-94	123A
BS170	490

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BS242C	292
BS475	123A
BS9011G	123AP
BSA01	177
BSA02	177
BSA11	177
BSF91A	129
BSF91B	129
BSJ111	468
BSJ113	469
BSR13	2406
BSR14	2406
BSR15	2407
BSR16	2407
BSR17	2406
BSR17A	2406
BSR18	2407
BSR18A	2407
BSR19	2410
BSR19A	2410
BSR20	2411
BSR20A	2411
BSR30	2429
BSR31	2429
BSR32	2429
BSR33	2429
BSR40	2428
BSR41	2428
BSR42	2428
BSR43	2428
BSR50	2341
BSR51	2341
BSR52	2341
BSR60	2342
BSR61	2342
BSR62	2342
BSS10	123A
BSS13	278
BSS14	282§
BSS15	282§
BSS16	282§
BSS17	129
BSS18	129
BSS19	171
BSS20	171
BSS21	123A
BSS23	192§
BSS26	123A
BSS28	128
BSS29	128
BSS33	154
BSS38(CBE)	287
BSS40	128
BSS41	128
BSS42	2347
BSS43	2347
BSS44	129
BSS45	2347
BSS63	2411
BSS64	2410
BSS68(CBE)	288
BSS79B	2406
BSS79-B	2406
BSS79-C	2406
BSS79C	2406
BSS80-B	2407
BSS80-C	2407
BSS82B	2407
BSS82C	2407
BSS98	490◆
BST15	2431
BST16	2431
BST39	2430
BST40	2430
BST50	2426
BST51	2426
BST52	2426
BST60	2427
BST61	2427
BST62	2427
BST70A	490◆
BST72A	490◆
BStC0106	5482§
BStC0113	5483§
BStC0126	5485§
BStC0133	5487§
BStC0140	5487§
BSTC0313	5524
BSTC0326	5527
BSTC0340	5529
BSTC0353	5531
BSTC0540	231
BStC0626S6t	231
BStC0626S9t	231
BStC0626t	230
BStC0633S6t	231
BStC0633S9t	231
BStC0633t	230
BStC0640t	230
BSTC0643H	230
BStCC0126S6t	310
BStCC0126t	310
BStCC0133S6t	310
BStCC0133t	310
BStCC0140S6t	310
BStCC0140t	310
BStCC0143H	310
BStCC0143R	308
BStCC0146S6t	310
BStCC0146t	310
BStCC0153	308
BStCC0153H	310
BStCC0153R	308
BSTD0313	5524
BSTD0326	5527
BSTD0340	5529
BSTD0353	5531
BStL-3760F	5375◆
BSV15	129
BSV15-6	129
BSV15-10	129
BSV16	129
BSV16-6	129
BSV16-10	129
BSV17	129
BSV17-6	129
BSV17-10	129
BSV21	159
BSV21A	159
BSV35A	123A
BSV35B	108
BSV35C	108
BSV35D	108
BSV40	123A
BSV41	123A
BSV43A	159
BSV43B	193
BSV44A	159
BSV44B	193
BSV45A	159
BSV45B	193
BSV47A	159
BSV47B	193
BSV48A	159
BSV48B	193
BSV49A	159
BSV49B	193
BSV51	128
BSV53	123A
BSV53P	107
BSV54	123A
BSV54P	107
BSV55A	159
BSV55AP	159
BSV55P	159
BSV57	6401
BSV57B	6409§
BSV59	123A
BSV60	2347
BSV64	2347
BSV68	288
BSV69	128
BSV78	466
BSV79	466
BSV82	129
BSV83	129
BSV84	128
BSV86	123AP
BSV87	123AP
BSV88	123A
BSV89	123A
BSV90	123A
BSV91	123A
BSV95	278
BSV96	159
BSV97	159
BSV98	159
BSW10	128
BSW11	123A
BSW12	123A
BSW19	123A
BSW21	159
BSW21A	159
BSW-21A	159
BSW22	159
BSW-22	159
BSW22A	159
BSW-22A	159
BSW23	129
BSW-24	159
BSW24	159
BSW25	395
BSW26	128
BSW27	128
BSW28	128
BSW29	128
BSW32	289A
BSW33	123A
BSW34	123A
BSW35	128
BSW39	123A
BSW39-6	128
BSW39-10	128
BSW39-16	128
BSW40	129
BSW40-6	129
BSW40-10	129
BSW40-16	129
BSW40-25	129
BSW41	123A
BSW41A	123A
BSW42	123A
BSW42A	123A
BSW43	123A
BSW43A	123A
BSW-44	159
BSW44	159
BSW-44A	159
BSW44A	159
BSW45	159
BSW-45	159
BSW-45A	159
BSW45A	159
BSW49	128
BSW51	123A
BSW52	123A
BSW53	123A
BSW58	123AP
BSW59	123AP
BSW65	128
BSW66	128
BSW66A	396
BSW67	2347◆
BSW67A	396
BSW68	2347◆
BSW-68	396
BSW68A	396
BSW69	396
BSW70	154
BSW-72	159
BSW72	159
BSW73	159
BSW-73	159
BSW74	159
BSW-74	159
BSW75	159
BSW-75	159
BSW82	123A
BSW83	123A
BSW84	123A
BSW85	123A
BSW88	123A
BSW89	123A
BSW92	123A
BSX12	108
BSX12A	128
BSX19	123A
BSX20	123A
BSX21	194
BSX22	195A
BSX23	128
BSX24	123A
BSX25	123A
BSX26	108
BSX27	108
BSX28	311
BSX29	106
BSX30	123A
BSX32	311
BSX33	128
BSX35	108
BSX36	159
BSX38	123A
BSX38A	123A
BSX38B	123A
BSX39	311
BSX40	123
BSX41	129
BSX44	123A
BSX45	128
BSX45-6	128
BSX45-10	128
BSX45-16	128
BSX46	128
BSX46-6	128
BSX46-10	128
BSX46-16	128
BSX47	128
BSX47-6	128
BSX47-10	128
BSX47-16	128
BSX48	123A
BSX49	123A
BSX51	123A
BSX51A	123A
BSX52	123A
BSX52A	123A
BSX53	123A
BSX54	123A
BSX59	128
BSX60	128
BSX61	128
BSX61-10	2347
BSX62	2347
BSX62-10	282§
BSX62-16	282§
BSX62B	2347
BSX62C	2347
BSX62D	2347
BSX63	2347
BSX63-10	2347
BSX63-16	282§
BSX63B	2347
BSX63C	2347
BSX64-10	2347
BSX66	123A
BSX67	123A
BSX68	123A
BSX69	123A
BSX70	123A
BSX71	123A
BSX72	128
BSX75	123A
BSX76	123A
BSX77	123A
BSX78	123A
BSX79	123A
BSX80	123A
BSX81	123A
BSX87	123A
BSX87A	311
BSX88	123A
BSX88A	311
BSX89	123A
BSX90	123A
BSX91	123A
BSX92	108
BSX93	108
BSX94A	123A
BSX95	128
BSX96	128
BSX97	123A
BSY10	123A
BSY11	123A
BSY17	123A
BSY18	123A
BSY19	123A
BSY20	123A
BSY21	123A
BSY22	108
BSY23	108
BSY24	123A
BSY25	123A
BSY26	123A
BSY27	123A
BSY28	123A
BSY29	123A
BSY34	123A
BSY38	123A
BSY39	123A
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BSY40	159
BSY-41	159
BSY41	159
BSY44	128
BSY45	128
BSY46	128
BSY48	123A
BSY49	123A
BSY51	128
BSY52	128
BSY53	128
BSY54	128
BSY55	128
BSY56	128
BSY58	123A
BSY59	123A
BSY61	123A
BSY-62	108
BSY62	123A
BSY62A	123A
BSY62B	192§
BSY63	123A
BSY70	123A
BSY71	128
BSY72	123A
BSY-72	108
BSY73	123A
BSY-73	108
BSY74	123A
BSY-74	108
BSY75	123A
BSY76	123A
BSY77	128
BSY78	128
BSY79	194
BSY-80	108
BSY80	123A
BSY81	128
BSY82	128
BSY83	128
BSY84	128
BSY85	128
BSY86	128
BSY87	128
BSY88	128
BSY89	123A
BSY90	128
BSY91	123A
BSY92	128
BSY93	123A
BSY95	123A
BSY-95	108
BSY95A	123A
BSY165	123A
BSY168	123A
BT32	6408
BT67	123A
BT71	123A
BT-82	159
BT-94	123A
BT100A-300R	5457
BT101-300R	5485§
BT101-500R	5487§
BT102-300R	5485§
BT102-500R	5487§
BT107	5487§
BT108	5487§
BT119	230
BT120	231
BT121	230
BT134-500D	5609◆
BT134-500E	5609◆
BT134-500F	5609◆
BT134-500G	5609◆
BT134-600D	5609◆
BT134-600E	5610◆
BT134-600F	5609◆
BT134-600G	5609◆
BT134-700E	5610◆
BT134-700F	5610◆
BT134-700G	5610◆
BT134-800	5610◆
BT134-800E	5610◆
BT134-800F	5610◆
BT134-800G	5610◆
BT136-500	5645
BT136-500D	5609
BT136-500E	5645◆
BT136-500F	5645
BT136-500G	5609
BT136-600	5645
BT136-600D	5609
BT136-600E	5645◆
BT136-600F	5645
BT136-600G	5609
BT136-700	5610
BT136-700E	5610
BT136-700G	5610
BT136-800	5610
BT136-800E	5610
BT136-800G	5610
BT136F-500	5620
BT136F-500F	5620
BT136F-500G	5620
BT136F-800	5620
BT136F-800F	5620
BT137-500	5645
BT137-500D	5609
BT137-500E	5645◆
BT137-500F	5645
BT137-500G	5609
BT137-600	5645
BT137-600D	5609
BT137-600E	5645◆
BT137-600F	5645
BT137-600G	5609
BT137-700	5610
BT137-700G	5610
BT137-800	5610
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BT137F-500	5620
BT137F-500F	5620
BT137F-500G	5620
BT137F-800	5620
BT137F-800F	5620
BT137F-800G	5620
BT138-500	56008
BT138-500F	56008◆
BT138-500G	56008
BT138-600	56008
BT138-600F	56008◆
BT138-600G	56008
BT138-800	56010
BT138-800F	56010◆
BT138-800G	56010
BT138F-500	5671
BT138F-500F	5671
BT138F-500G	5671
BT138F-800	5671
BT138F-800F	5671
BT138F-800G	5671
BT139-500	56017
BT139-500F	56017◆
BT139-500G	56017
BT139-600	56017
BT139-600F	56017◆
BT139-600G	56017
BT139-800	56018◆
BT139-800G	56018
BT139F-500	5671
BT139F-500F	5671
BT139F-500G	5671
BT139F-800	5671
BT139F-800F	5671
BT139F-800G	5671
BT145-500R	5556
BT145-600R	5556
BT145-700R	5558
BT145-800R	5558
BT150	5438
BT151-500R	5466◆
BT151-650R	5468◆
BT151-800R	5468
BT151F-500	5440
BT151F-800	5440
BT152-400R	5554
BT152-600R	5556
BT152-800R	5558
BT169B	5404
BT169D	5405
BT169E	5406
BT169G	5406
BT708T	123A
BT832	159
BT918T	311
BT929T	123A
BT930T	123A
B-T1000-139	107
BT2221AT	123A
BT2221T	123A
BT2222AT	123A
BT2222T	123A
BT2369A	311
BT2483T	128
BT2484T	128
BT2604T	159
BT2708T	311
BT2906	159
BT2906AT	159
BT2907	159
BT2907AT	159
BT2945T	159
BT3227T	123A
BT3250AT	159
BT3251AT	159
BT3700T	154
BT3701T	154
BT3724T	123A
BT3725T	123A
BT5109T	123A
BT151500R	5466◆
BTA04-200	5638
BTA04-200A	5638
BTA04-200D	5638
BTA04-200GP	5638
BTA04-200S	5638
BTA04-200T	5638◆
BTA04-400	5638
BTA04-400A	5638
BTA04-400D	5638
BTA04-400GP	5638
BTA04-400S	5638
BTA04-400T	5638
BTA06-200	5638
BTA06-200B	5645
BTA06-200C	5645◆
BTA06-200D	5638
BTA06-200GP	5638
BTA06-200S	5638
BTA06-200SW	5638
BTA06-200T	5638◆
BTA06-200TW	5638
BTA06-400	5638
BTA06-400B	5645
BTA06-400C	5645◆
BTA06-400D	5638
BTA06-400GP	5638
BTA06-400S	5638
BTA06-400SW	5638
BTA06-400T	5638◆
BTA06-400TW	5638
BTA08-200	5638
BTA08-200A	5638
BTA08-200B	5645
BTA08-200C	5645◆
BTA08-200S	5638
BTA08-200SW	5638
BTA08-200TW	5638
BTA08-400	5638
BTA08-400A	5638
BTA08-400B	5645
BTA08-400C	5645◆
BTA08-400S	5638
BTA08-400SW	5638
BTA08-400TW	5638
BTA10-200B	5645
BTA10-200C	5645◆
BTA10-400B	5645
BTA10-400C	5645◆
BTA10-600B	5645
BTA12-200B	56019
BTA12-200C	56019◆
BTA12-400B	56020
BTA12-400C	56020◆
BTA16-200B	5671
BTA16-400B	5671
BTA16-600B	5671
BTA16-700B	5671
BTA16-800B	5671
BTA20C	5635
BTA20D	5635
BTA20E	5637
BTA21C	5635
BTA21D	5635
BTA21E	5635
BTA22B	5633
BTA22C	5635
BTA22D	5635
BTA22E	5637
BTA22M	5637
BTA25-200	5679
BTA25-200A	5679
BTA25-200B	5679
BTA25-400	5679
BTA25-400A	5679
BTA25-400B	5679
BTA25-600A	5679
BTA25-600B	5679
BTA26-200B	56030
BTA26-400A	56030
BTA26-400B	56030
BTA26-600A	56031
BTA26-600B	56031
BTA40-200	5679
BTA40-200A	5679
BTA40-200B	5679
BTA40-400	5679
BTA40-400A	5679
BTA40-400B	5679
BTA40-600	5679
BTA40-600A	5679
BTA40-600B	5679
BTA41-200A	56030
BTA41-200B	56030
BTA41-400A	56030
BTA41-400B	56030
BTA41-600A	56031
BTA41-600B	56031
BTA134-500	5609◆
BTA134-600	5609◆
BTA134-700	5610◆
BTA140-500	56017
BTA140-600	56017
BTA140-700	56018
BTA140-800	56018
BTB04-200	5608
BTB04-200A	5608
BTB04-200D	5608
BTB04-200S	5608
BTB04-200T	5608◆
BTB04-400	5608
BTB04-400A	5608
BTB04-400D	5608
BTB04-400S	5608
BTB04-400T	5608◆
BTB04-600A	5609
BTB04-600D	5609
BTB04-700	5610
BTB04-700A	5610
BTB04-700D	5610
BTB04-700S	5610
BTB04-700T	5610◆
BTB04-800A	5610
BTB04-800D	5610
BTB04-800T	5610
BTB06-200	5608
BTB06-200B	5633
BTB06-200C	5633◆
BTB06-200D	5608
BTB06-200S	5608
BTB06-200SW	5608
BTB06-200T	5608◆
BTB06-200TW	5608
BTB06-400	5608
BTB06-400B	5635
BTB06-400C	5635◆
BTB06-400D	5608
BTB06-400S	5608
BTB06-400SW	5608
BTB06-400T	5608◆
BTB06-400TW	5608
BTB06-600A	5609
BTB06-600B	5609
BTB06-600C	5609
BTB06-600D	5609
BTB06-600SW	5609
BTB06-600T	5609
BTB06-600TW	5609
BTB06-700	5610
BTB06-700A	5610
BTB06-700B	5610
BTB06-700C	5610
BTB06-700D	5610
BTB06-700S	5610
BTB06-700SW	5610
BTB06-700T	5610◆
BTB06-700TW	5610
BTB06-800A	5610
BTB06-800B	5610
BTB06-800C	5610
BTB06-800D	5610
BTB06-800S	5610
BTB06-800SW	5610
BTB06-800T	5610
BTB06-800TW	5610
BTB06-6005	5609
BTB08-200	5608
BTB08-200A	5608
BTB08-200B	5633
BTB08-200C	5633◆
BTB08-200S	5608
BTB08-200SW	5608
BTB08-200TW	5608
BTB08-400	5608
BTB08-400A	5608
BTB08-400B	5635
BTB08-400C	5635◆
BTB08-400S	5608
BTB08-400SW	5608
BTB08-400TW	5608
BTB08-600A	5609
BTB08-600SW	5609
BTB08-600TW	5609
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BTB12-200C	56004◆
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BTU0330A	5675
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BTU0340A	5675
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BTU0350A	5677

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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BUV83	2310
BUV89	2324
BUW11	2310
BUW11A	2310
BUW11AF	2310#
BUW11F	2310#
BUW12	2310
BUW12A	2310
BUW12AF	2310#
BUW12F	2310#
BUW13	2311◆
BUW13A	2311◆
BUW13AF	2311#
BUW13F	2311#
BUW34	53
BUW35	53
BUW36	2319
BUW40	2313
BUW40A	2313
BUW40B	2313
BUW41	379
BUW41A	379
BUW41B	379
BUW44	2319
BUW45	2319
BUW64A	54
BUW64B	54
BUW74	386
BUW75	386
BUW76	386
BUW84	2313◆
BUW85	2313◆
BUW86	386
BUW87	386
BUW87A	386
BUW91	2311
BUW92	2311
BUW131	2324
BUW131A	2324
BUW131H	2324
BUW132	2324
BUW132A	2324
BUW132H	2324
BUW133	2311
BUW133A	2311
BUX10	327
BUX10A	327
BUX11	327
BUX11N	327
BUX12	327
BUX13	386
BUX14	386
BUX16	283
BUX16A	283
BUX16B	283
BUX16C	283
BUX17	385
BUX17A	385
BUX17B	385
BUX17C	385
BUX29	97
BUX32	2319
BUX32A	2319
BUX32B	2319◆
BUX33	2319
BUX33A	2311◆
BUX36	2319
BUX39	327
BUX40	327
BUX41	386
BUX41N	386
BUX42	386
BUX43	386
BUX44	2319
BUX45	386
BUX46	389
BUX46A	389
BUX47	2311
BUX47A	2311
BUX48	2319
BUX67	369
BUX67A	369
BUX67B	369
BUX67C	369
BUX80	386
BUX81	386
BUX82	283
BUX83	283
BUX84	2313
BUX84A	2313
BUX84F	2339
BUX85	2313
BUX85F	2339
BUX86	2327
BUX87	2327
BUX97	385
BUX97A	386
BUX97B	386
BUY18S	283
BUY24	152
BUY35	283
BUY38	384
BUY44	280
BUY51A	327
BUY52A	327
BUY53A	327
BUY54A	327
BUY56	87
BUY69	283
BUY69B	283
BUY69C	283
BUY70B	283
BUY70C	283
BUY71	62§
BUY89	238
BUZ10	2389
BUZ10A	2389
BUZ10S2	2389
BUZ11	2389
BUZ11A	2389
BUZ11F1	2389#
BUZ11S2	2389
BUZ11S2F1	2389#
BUZ12	2395
BUZ12A	2395
BUZ20	66
BUZ21	2396
BUZ22	2396
BUZ23	2392
BUZ24	2392
BUZ30	2397
BUZ31	2388
BUZ32	2388
BUZ33	2376◆
BUZ34	2376◆
BUZ35	2376◆
BUZ36	2376◆
BUZ40	2398
BUZ41A	2398
BUZ42	2398
BUZ44A	2393◆
BUZ45	2394◆
BUZ45A	2393◆
BUZ45B	2394◆
BUZ45C	2394◆
BUZ46	2386
BUZ50A	2399
BUZ50B	2399
BUZ50C	2399
BUZ60	67
BUZ60B	67
BUZ63	2393◆
BUZ63B	2386
BUZ64	2394◆
BUZ70	2390◆
BUZ71	66
BUZ71A	66
BUZ71AFI	66#
BUZ71F	66#
BUZ71F1	66#
BUZ72	66
BUZ72A	66
BUZ73	2388
BUZ73A	2388
BUZ74	2398◆
BUZ74A	2380
BUZ76	2391
BUZ76A	2391◆
BUZ80	2387
BUZ80A	2387
BUZ80AFI	2387#
BUZ80FI	2387#
BUZ84	2384
BUZ84A	2384
BUZ90	2387
BUZ90A	2387
BUZ92	2387
BUZ171	2383◆
BUZ172	2383
BUZ330	2393◆
BUZ331	2393
BUZ338	2394
BUZ339	2394
BUZ345	2375◆
BUZ349	2375
BUZ350	2376
BUZ351	2394
BUZ353	2394
BUZ354	2393
BUZ355	2377
BUZ356	2377
BUZ384	2394
BUZ385	2393
BV25	116
BV40	116
BV67	123A
BV71	123A
BW67	123A
BW71	123A
BX090	139A
BX67	123A
BX71	123A
BX-324	158
BX-495	158(2)
BX495(Sony)	158(2)
BX909	139A
BXC18	2407
BXY10	125
BXY63	139A
BY0331	580
BY12 00	125

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BY67	123A
BY71	123A
BY78VII	159
BY78VIII	159
BY100	125
BY100S	125
BY101	116
BY102	116
BY103	506
BY104	125
BY105	125
BY106	116
BY107	116
BY108	125
BY109	125
BY111	116
BY112	116
BY113	116
BY114	116
BY115	116
BY116	116
BY117	116
BY119	125
BY121	116
BY122	166
BY123	167
BY124	116
BY125	116
BY126	116
BY126/50	156
BY126/100	156
BY126/200	156
BY126/300	156
BY126/400	156
BY126MGP	125
BY127	506
BY127/500	125
BY127/600	125
BY127/700	125
BY127MGP	125
BY128	125
BY129	125
BY130	116
BY133	506
BY133GP	506
BY134	116
BY134GP	116
BY135	116
BY135GP	116
BY141	116
BY153	116
BY156	156
BY157	506
BY158	506
BY159/1	5304
BY159-50	5304
BY159/100	5304
BY159-200	5304
BY159-400	5304
BY159(BRIDGE)	5304
BY164	166
BY172	156
BY173	156
BY179	170
BY188A	116
BY188B	116
BY201	5804
BY201-2	5834
BY201-200	552
BY201-300	552
BY201-400	552
BY201-500	552
BY201-600	552
BY202	5834
BY203	5834
BY203/12	558
BY203/16	558
BY203/20	525
BY204	5806
BY204/4	558
BY204/8	558
BY204/10	558
BY205	5838
BY206	552
BY206GP	552
BY207	552
BY207GP	552
BY208	558
BY208/600	558
BY208-600	552
BY208-800	55
BY208-1000	558
BY208/1000	558
BY209	5846
BY210-400	552
BY210-600	552
BY211	5830
BY212	5834
BY213	5834
BY214	5812
BY214-50	5812
BY214-100	5812
BY214-200	5814
BY214-400	5814
BY214-600	5815
BY214-800	5817
BY214-1000	5817
BY215	5838
BY216	5842
BY217	5806
BY218	5846
BY219	5846
BY221	5830
BY222	5834
BY225-100	5329◆
BY225-200	5329◆
BY226	125
BY226MGP	125
BY227	125
BY227MGP	125
BY228(DO4)	5846
BY229-200	581
BY229-400	581
BY231/800	506
BY231/1000	506
BY231/1200	506
BY231/1400	506
BY231/1500	506
BY233-20	597
BY233-400	598
BY233-600	598
BY249-300	597
BY249-600	598
BY249F-300	597#
BY249F-600	598#
BY251	156
BY252	156
BY253	156
BY254	156
BY256	166
BY258/100	576
BY258/200	576
BY258/400	576
BY258/600	577
BY258/800	577
BY261-200	5322
BY261-400	5324
BY261-600	5326
BY295/150	552
BY295/200	552
BY295/300	552
BY295/400	552
BY295/450	552
BY295/600	552
BY296	580
BY296P	580
BY297	580
BY297P	580
BY298	580
BY298P	580
BY299	577
BY299P	577◆
BY301(Bradley)	5830◆
BY302(Bradley)	5834◆
BY303(Bradley)	5834◆
BY304(Bradley)	5838◆
BY305(Bradley)	5838◆
BY306(Bradley)	5842◆
BY307(Bradley)	5842◆
BY308(Bradley)	5846◆
BY309(Bradley)	5846◆
BY311(Bradley)	5830◆
BY312(Bradley)	5834◆
BY313(Bradley)	5834◆
BY314(Bradley)	5838◆
BY315(Bradley)	5838◆
BY316(Bradley)	5842◆
BY317(Bradley)	5842◆
BY318(Bradley)	5846◆
BY319(Bradley)	5846◆
BY321(Bradley)	5830◆
BY322(Bradley)	5834◆
BY323(Bradley)	5834◆
BY324(Bradley)	5838◆
BY325(Bradley)	5838◆
BY326(Bradley)	5842◆
BY327(Bradley)	5842◆
BY328(Bradley)	5846◆
BY329(Bradley)	5846◆
BY396	580
BY396P	580
BY397	580
BY397P	580
BY398	580
BY398P	580
BY399P	577
BY399S	577
BY401	116
BY402	116
BY403	116
BY404	116
BY405	116
BY406	552
BY407	552
BY408(Bradley)	5866◆
BY409	5866
BY411(Bradley)	5850◆
BY412(Bradley)	5854◆
BY413(Bradley)	5854◆
BY414(Bradley)	5858◆
BY415(Bradley)	5858◆
BY416(Bradley)	5862◆
BY417(Bradley)	5862◆
BY418(Bradley)	5866◆
BY419(Bradley)	5866◆
BY421(Bradley)	5850◆
BY422(Bradley)	5854◆
BY423(Bradley)	5854◆
BY424(Bradley)	5858◆
BY425(Bradley)	5858◆
BY426(Bradley)	5862◆
BY427(Bradley)	5862◆
BY428(Bradley)	5866◆
BY429(Bradley)	5866◆
BY458	506
BY500-100	576
BY500-200	576
BY500-400	576
BY500-600	577
BY500-800	577
BY501(Bradley)	5870◆
BY502(Bradley)	5874◆
BY503(Bradley)	5874◆
BY504(Bradley)	5878◆
BY505(Bradley)	5878◆
BY506(Bradley)	5882◆
BY507(Bradley)	5882◆
BY508(Bradley)	5886◆
BY509(Bradley)	5886◆
BY511(Bradley)	5870◆
BY512(Bradley)	5874◆
BY513(Bradley)	5874◆
BY514(Bradley)	5878◆
BY515(Bradley)	5882◆
BY516(Bradley)	5882◆
BY517(Bradley)	5882◆
BY518(Bradley)	5886◆
BY519(Bradley)	5886◆
BY521(Bradley)	5870◆
BY522(Bradley)	5874◆
BY523(Bradley)	5874◆
BY524(Bradley)	5878◆
BY525(Bradley)	5878◆
BY526(Bradley)	5882◆
BY527	506
BY527(Bradley)	5882◆
BY528(Bradley)	5886◆
BY529(Bradley)	5886◆
BY550-50	5812
BY550-100	5812
BY550-200	5815
BY550-400	5815
BY550-600	5815
BY550-800	5817
BY588	580
BY701(STUD)	5850
BY702(STUD)	5854
BY703(STUD)	5854
BY704(STUD)	5858
BY705(STUD)	5858
BY706(STUD)	5862
BY707(STUD)	5862
BY708(STUD)	5866
BY709(STUD)	5866
BY711(STUD)	5850
BY712(STUD)	5854
BY713(STUD)	5854
BY714(STUD)	5858
BY715(STUD)	5858
BY716(STUD)	5862
BY717(STUD)	5862
BY718(STUD)	5866
BY719(STUD)	5866
BY721(STUD)	5850
BY722(STUD)	5854
BY723(STUD)	5854
BY724(STUD)	5858
BY725(STUD)	5858
BY726(STUD)	5862
BY727(STUD)	5862
BY728(STUD)	5866
BY729(STUD)	5866
BY801	5870
BY802	5874
BY803	5874
BY804	5878
BY805	5878
BY806	5882
BY807	5882
BY808	5886
BY809	5886
BY811	5870
BY812	5874
BY813	5874
BY814	5878
BY815	5878
BY816	5882
BY817	5882
BY818	5886
BY819	5886
BY821	5870
BY822	5874
BY823	5874
BY824	5878
BY825	5878
BY826	5882
BY827	5882
BY828	5886
BY829	5886
BY1001	125
BY1002	125
BY1101	125
BY1102	125
BY1201	125
BY1202	125
BY2001	5848
BY2002	5848
BY2101	5848
BY2102	5848
BY2201	5848
BY2202	5848
BY3001(Bradley)	5848◆
BY3002(Bradley)	5848◆
BY3101(Bradley)	5848◆
BY3102(Bradley)	5848◆
BY3201(Bradley)	5848◆
BY3202(Bradley)	5848◆
BY4001(Bradley)	5868◆
BY4002(Bradley)	5868◆
BY4101(Bradley)	5868◆
BY4102(Bradley)	5868◆
BY4201(Bradley)	5868◆
BY4202(Bradley)	5868◆
BY5001(Bradley)	5890◆
BY5002(Bradley)	5890◆
BY5101(Bradley)	5890◆
BY5102(Bradley)	5890◆
BY5201(Bradley)	5890◆
BY5202(Bradley)	5890◆
BY7001	5868
BY7002	5868
BY7101	5868
BY7102	5868
BY7201	5868
BY7202	5868
BY8001	5890
BY8002	5890
BY8101	5890
BY8102	5890
BY8201	5890
BY8202	5890
BYD31D	569◆
BYD31G	569◆
BYD31J	569◆
BYD33D	569◆
BYD33G	569◆
BYD33J	569◆
BYD34D	569◆
BYD34G	569◆
BYD34J	569◆
BYDD66	411/396
BYO331	580
BYP20-50	6240
BYP20-100	6240
BYP20-150	6240
BYP21-50	6240
BYP21-100	6240
BYP21-150	6240
BYP21-200	6240
BYQ28-50	6240
BYQ28-100	6240
BYQ28-150	6240
BYQ28-200	6240
BYQ28F-50	6240#
BYR28-500	6241
BYR28-600	6241
BYR29-500	598
BYR29-600	598
BYR29F-500	598#
BYR29F-600	598#
BYT01-200	587
BYT03-200	588
BYT03-300	576
BYT03-400	576
BYT08P1-200	597
BYT08P-200A	597
BYT08P-300A	598
BYT08P-400	598
BYT08P-400A	598
BYT08P-500	598
BYT08P-600	598
BYT08PI-200	597#
BYT08PI-300	598#
BYT08PI-400	598#
BYT11-600	577◆
BYT11-800	577◆
BYT11-1000	577◆
BYT13-600	569
BYT13-800	577
BYT13-1000	577
BYT16P-200	6240
BYT28-300	6241
BYT28-400	6241
BYT28-500	6241
BYT51A	580
BYT51B	580
BYT51D	580
BYT51G	580
BYT51J	580
BYT51K	506
BYT51M	506
BYT52A	569◆
BYT52B	569◆
BYT52D	569◆
BYT52G	569◆
BYT52J	569◆
BYT85/600	598
BYT86/600	598
BYT95	580
BYT95A	580
BYT95B	580
BYT95C	580
BYV10-20	585
BYV10-30	585
BYV10-40	585
BYV12	569◆
BYV13	569◆
BYV14	569◆
BYV20-30	6084
BYV20-30M	6084‡
BYV20-35	6084
BYV20-35M	6084‡
BYV20-40	6084
BYV20-40M	6084‡
BYV20-45	6084
BYV20-45M	6084‡
BYV21-30	6084
BYV21-30M	6084‡
BYV21-35	6084
BYV21-35M	6084‡
BYV21-40	6084
BYV21-40M	6084‡
BYV21-45	6084
BYV21-45M	6084‡
BYV22-30	6094
BYV22-30M	6094‡
BYV22-35	6094
BYV22-35M	6094‡
BYV22-40	6094
BYV22-40M	6094‡
BYV22-45	6094
BYV22-45M	6094‡
BYV27-15	588
BYV27-50	588
BYV27-100	588
BYV27-150	588
BYV27-200	588
BYV28-50	588
BYV28-100	588
BYV28-150	588
BYV28-200	588
BYV29-300	598
BYV29-400	598
BYV29-500	598
BYV29F-300	598#
BYV29F-400	598#
BYV29F-500	598#
BYV30-200	5818◆
BYV30-200R	5819◆
BYV30-300	5820◆
BYV30-300R	5821◆
BYV30-400	5820◆
BYV30-400R	5821◆
BYV32-50	6240
BYV32-100	6240
BYV32-150	6240
BYV32-200	6240
BYV32F-50	6240#
BYV32F-100	6240#
BYV32F-150	6240#
BYV32F-200	6240#
BYV33-30	6087
BYV33-35	6087
BYV33-40	6087
BYV33-45	6087
BYV43-40	6087
BYV43-45	6087
BYV52-50	6246
BYV52-100	6246
BYV52-150	6246
BYV52-200	6246
BYV72-50	6246
BYV72-100	6246
BYV72-150	6246
BYV72-200	6246
BYV72F-50	6246#
BYV72F-100	6246#
BYV72F-150	6246#
BYV72F-200	6246#
BYV73-30	6090
BYV73-35	6090
BYV73-40	6090
BYV73-45	6090
BYV74-300	6247
BYV74-400	6247
BYV74-500	6247
BYV74F-300	6247#
BYV74F-400	6247#
BYV74F-500	6247#
BYV79-50	599
BYV79-100	599
BYV79-150	599
BYV79-200	599
BYV92-200	6006◆
BYV92-200R	6007◆
BYV92-300	6008◆
BYV92-300R	6009◆
BYV92-400	6008◆
BYV92-400R	6009◆
BYV95	569◆
BYV95A	569◆
BYV95B	569◆
BYV95C	569◆
BYV118-35	6087
BYV118-40	6087
BYV118-45	6087
BYV118F-35	6087#
BYV118F-40	6087#
BYV118F-45	6087#
BYV133-35	6087
BYV133-40	6087
BYV133-45	6087
BYV133F-35	6087#
BYV133F-40	6087#
BYV133F-45	6087#
BYV143-35	6087
BYV143-40	6087
BYV143-45	6087
BYV143F-35	6087#
BYV143F-40	6087#
BYV143F-45	6087#
BYW11-50	5850
BYW11-50R	5851
BYW11-100	5854
BYW11-100R	5855
BYW11-200	5854
BYW11-200R	5855
BYW11-300	5858
BYW11-300R	5859
BYW11-400	5858
BYW11-400R	5859
BYW11-600	5862
BYW11-600R	5863
BYW11-800	5866
BYW11-800R	5867
BYW11-1000	5868
BYW11-1000R	5869
BYW12-50	5892
BYW12-50R	5893
BYW12-100	5896
BYW12-100R	5897
BYW12-200	5896
BYW12-200R	5897
BYW12-300	5900
BYW12-300R	5901
BYW12-400	5900
BYW12-400R	5901
BYW12-600	5904
BYW12-600R	5905
BYW12-800	5908
BYW12-800R	5909
BYW12-1000	5910
BYW12-1000R	5911
BYW27-50GP	116
BYW27-100GP	116
BYW27-200GP	116
BYW27-400GP	116
BYW27-600GP	116
BYW27-800GP	125
BYW27-1000GP	125
BYW29-50	597
BYW29-100	597
BYW29-150	597
BYW29-200	597
BYW29E-100	597
BYW29E-150	597
BYW29E-200	597
BYW29F-50	597#
BYW29F-100	597#
BYW29F-150	597#
BYW29F-200	597#
BYW32	580
BYW33	580
BYW34	580
BYW35	580
BYW36	580
BYW51-100	6240
BYW51-150	6240
BYW51-200	6240
BYW52	580
BYW53	580
BYW54	580
BYW55	506
BYW56	506
BYW60	5340
BYW61	5340
BYW62	5340
BYW64	5342
BYW66	5342
BYW68	5344
BYW72	580
BYW73	580
BYW74	580
BYW75	580
BYW76	580
BYW80-50	597
BYW80-100	597
BYW80-150	597
BYW80-200	597
BYW81P-50	599
BYW81P-50A	599
BYW81P-100	599
BYW81P-100A	599
BYW81P-150	599
BYW81P-150A	599
BYW81P-200	599
BYW81P-200A	599
BYW81PI-50	599
BYW81PI-100	599
BYW81PI-150	599
BYW81PI-200	599
BYW82	580
BYW83	580
BYW84	580
BYW85	577
BYW86	577
BYW88-50	5870
BYW88-50M	5870‡
BYW88-50MR	5871‡
BYW88-50R	5871
BYW88-100	5874
BYW88-100M	5874‡
BYW88-100MR	5875‡
BYW88-100R	5875
BYW88-200	5874
BYW88-200M	5874‡
BYW88-200MR	5875‡
BYW88-200R	5875
BYW88-300	5878
BYW88-300M	5878‡
BYW88-300MR	5879‡
BYW88-300R	5879
BYW88-400	5878
BYW88-400M	5878‡
BYW88-400MR	5879‡
BYW88-400R	5879
BYW88-500	5882
BYW88-500M	5882‡
BYW88-500MR	5883‡
BYW88-500R	5883
BYW88-600	5882
BYW88-600M	5882‡
BYW88-600MR	5883‡
BYW88-600R	5883
BYW88-800	5886
BYW88-800M	5886‡
BYW88-800MR	5887‡
BYW88-800R	5887
BYW88-1000	5890
BYW88-1000M	5890‡
BYW88-1000MR	5891‡
BYW88-1000R	5891
BYW95	569◆
BYW95A	569◆
BYW95B	569◆
BYW95C	569◆
BYW98-50	588
BYW98-100	588
BYW98-150	588
BYW98-200	588
BYW99P-50	6246
BYW99P-100	6246
BYW99P-150	6246
BYW99P-200	6246
BYW100-50	587
BYW100-100	587
BYW100-150	587
BYW100-200	587
BYX10	125
BYX10G	506
BYX12/400	125
BYX13-400	5990
BYX13-600	5994
BYX13/600	125
BYX13-1000	6002
BYX13/1000	5999
BYX15	5999
BYX16	5998
BYX22/200	116
BYX22/400	116
BYX22/600	116
BYX22/800	125
BYX22-1200	506
BYX24	168
BYX25-600	5924
BYX25-600R	5925
BYX25-800	5928
BYX25-800R	5929
BYX25-1000	5932
BYX25-1000R	5933
BYX26-60	156
BYX32-600	6156◆
BYX32-600R	6157◆
BYX32-800	6158◆
BYX32-800R	6159◆
BYX32-1000	6158◆
BYX32-1000R	6159◆
BYX32-1200	6162◆
BYX32-1200R	6163◆
BYX36-150	156
BYX36/150	116
BYX36-300	116
BYX36/300	116
BYX36/600	116
BYX36-600	116
BYX38	156
BYX38/300	5838
BYX38-300	5900
BYX38-300R	5901
BYX38/300R	5835
BYX38/600	5842
BYX38-600	5924
BYX38-600R	5925
BYX38/600R	5839
BYX38-900	5910
BYX38/900	5848
BYX38/900R	5843
BYX38-900R	5911
BYX38/1200	5846
BYX38/1200R	5847
BYX39/600	5882
BYX39-600	5882
BYX39-600R	5883
BYX39/800	5886
BYX39-800	5886
BYX39-800R	5887
BYX39-1000	5890
BYX39/1000	5890
BYX39-1000R	5891
BYX40-600	5882
BYX40-600R	5883
BYX40-800	5886
BYX40-800R	5887
BYX40-1000	5890
BYX40-1000R	5891
BYX42/300	5878
BYX42-300	5878
BYX42-300R	5879
BYX42/600	5882
BYX42-600	5882
BYX42-600R	5883
BYX42-900	5890
BYX42/900	5890
BYX42-900R	5891
BYX48/300	5878
BYX48-300	5878
BYX48-300R	5859
BYX48-600	5882
BYX48/600	5882
BYX48-600R	5863
BYX48/900	5890
BYX48-900	5890
BYX48-900R	5869
BYX50-200	5818◆
BYX50-200R	5819◆
BYX50-300	5820◆
BYX50-300R	5821◆
BYX50-400	5858
BYX50-400R	5859
BYX50-500	5862
BYX50-500R	5863
BYX50-600	5862
BYX50-600R	5863
BYX52-300	5988
BYX52-300R	5989
BYX52-600	5994
BYX52-600R	5995
BYX52-900	6002
BYX52-900R	6003
BYX55/350	580
BYX55-350P	580
BYX55/600	580
BYX55-600P	580
BYX56-600	5994
BYX56-600R	5995
BYX56-800	5998
BYX56-800R	5999
BYX56-1000	6002
BYX56-1000R	6003
BYX57-500	506
BYX57-600	506
BYX58-50	552
BYX58-100	552
BYX58-200	552
BYX58-300	552
BYX58-400	552
BYX60-50	116
BYX60-100	116
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BYX60-300	116
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BYX60-500	116
BYX60-600	116
BYX60-700	125
BYX61-50	5818◆
BYX61-50M	5818◆
BYX61-50MR	5819◆
BYX61-50R	5819◆
BYX61-100	5818◆
BYX61-100M	5818◆
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BYX61-300R	5821◆
BYX61-400	5820◆
BYX61-400M	5820◆
BYX61-400MR	5821◆
BYX61-400R	5821◆
BYX62-600	5822
BYX62-600R	5823
BYX63-600	6010
BYX63-600M	6010
BYX63-600MR	6011
BYX63-600R	6011
BYX64-600	6010
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BYX64-600R	6011
BYX65-50	6006◆
BYX65-50M	6006◆
BYX65-50R	6007◆
BYX65-59MR	6007◆
BYX65-100	6006◆
BYX65-100M	6006◆
BYX65-100MR	6007◆
BYX65-100R	6007◆
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BYX65-200MR	6007◆
BYX65-200R	6007◆
BYX65-300	6008◆
BYX65-300M	6008◆
BYX65-300MR	6009◆
BYX65-300R	6009◆
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BYX65-400M	6008◆
BYX65-400MR	6009◆
BYX65-400R	6009◆
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BYX66-400M	5820
BYX66-400MR	5821
BYX66-400R	5821
BYX66-500	5822
BYX66-500M	5822
BYX66-500MR	5823
BYX66-500R	5823
BYX66-600	5822
BYX66-600M	5822
BYX66-600MR	5823
BYX66-600R	5823
BYX66-800	5908
BYX66-1000	5932
BYX67-500	6010
BYX67-500M	6010◆
BYX67-500MR	6011
BYX67-500R	6011
BYX67-600	6010
BYX67-600M	6010
BYX67-600MR	6011

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
BYX67-600R	6011
BYX71-350	581◆
BYX74-100	166
BYX74-200	167
BYX74-400	168
BYX74-600	169
BYX74-800	170
BYX82	580
BYX83	580
BYX84	580
BYX85	506
BYX86	506
BYX92-50	587
BYX92-100	587
BYX92-200	587
BYX92-300	576
BYX92-400	576
BYX97-300	6034
BYX97-300R	6035
BYX97-600	6040
BYX97-600R	6041
BYX98-300	5878
BYX98-300R	5879
BYX98-600	5882
BYX98-600R	5883
BYX99-300	5900
BYX99-300R	5901
BYX99-600	5904
BYX99-600R	5905
BYX110GP	517
BYX111GP	517
BYX112GP	517
BYX113GP	517
BYX114GP	517
BYX38900	5882
BYX39600	5882
BYX40600	5882
BYX42600	5882
BYX48600	5882
BYY31	116
BYY-31	116
BYY32	116
BYY-32	116
BYY33	116
BYY34	116
BYY35	116
BYY-35	116
BYY36	116
BYY37	125
BYY56	558◆
BYY60	156
BYY61	156
BYY88	5874
BYY89	116
BYY91	125
BYZ13	5944
BZ-050	135A
BZ052	136A
BZ-052	136A
BZ-054	136A
BZ-056	136A
BZ-058	5070A
BZ-061	137A
BZ061	137A
BZ-063	137A
BZ-065	5071A
BZ-067	5071A
BZ-069	5071A
BZ071	138A
BZ-071	138A
BZ-073	138A
BZ075	138A
BZ-075	138A
BZ-077	5072A
BZ-079	5072A
BZ-080	5072A
BZ080	5072A
BZ081	5072A
BZ-081	5072A
BZ-083	5072A
BZ-085	5073A
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BZ-088	5073A
BZ-090	139A
BZ090	139A
BZ-090(zener)	139A
BZ090.1Z9	139A
BZ-092	139A
BZ-094	139A
BZ094	139A
BZ-096	140A
BZ-098	140A
BZ-0800	5072A
BZ-0900	139A
BZ-0901	139A
BZ1-9	139A
BZ3.6	134A
BZ3.9	5067A
BZ4.3	5068A
BZ4.7	5069A
BZ5.1	135A
BZ5.6	136A
BZ5.6E	136A
BZ6.2	137A
BZ6.8	5071A
BZ7.5	138A
BZ8.2	5016A
BZ9.1	139A
BZ-12	142A
BZ16C16	5131A
BZ61C4V3	5114A
BZ63C6V8	5071A
BZ67	123A
BZ71	123A
BZ79C10	140A
BZ/88/C4V7	135A
BZ90	139A
BZ100	140A
BZ102-2V8	5003A
BZ102-3V4	5005A
BZ-105	5074A
BZ-110	5074A
BZ110	5074A
BZ-115	141A
BZ-120	142A
BZ120	142A
BZ-125	143A
BZ130	143A
BZ-130	143A
BZ-135	144A
BZ-140	144A
BZ140	144A
BZ-140LF	144A
BZ-145	145A
BZ-150	145A
BZ150	145A
BZ-157	5075A
BZ-162	5015A
BZ162	5075A
BZ-167	5076A
BZ-172	5076A
BZ-177	5077A
BZ177	5077A
BZ179	170
BZ182	5077A
BZ-182	5077A
BZ-187	5078A
BZ192	5078A
BZ-192	5078A
BZ-197	5079A
BZ210	5079A
BZ-210	5079A
BZ-220	5080A
BZ-230	5081A
BZ230	5080A
BZ240	5081A
BZ-240	5081A
BZ-250	5082A
BZ260	146A
BZ-260	146A
BZ270	146A
BZ-270	146A
BZ-280	5083A
BZ-290	5084A
BZ290	5084A
BZ-300	5084A
BZ-310	147A
BZ310	5084A
BZ320	147A
BZ-320	147A
BZ-320LF	147A
BZ-330	147A
BZ-340	5085A
BZ-350	5085A
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BZ804D	552
BZ1021V4	177
BZD23-C7V5	5121A
BZD23-C8V2	5122A
BZD23-C9V1	5124A
BZD23-C10	5125A
BZD23-C11	5126A
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BZD23-C27	5139A
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BZD23-C33	5142A
BZD23-C36	5143A
BZD23-C39	5144A
BZD23-C43	5145A
BZD23-C47	5146A
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BZD23-C56	5148A
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BZD23-C68	5151A
BZD23-C75	5152A
BZD23-C82	5153A
BZD23-C91	5155A
BZD23-C100	5156A
BZD23-C110	5157A
BZD23-C120	5158A
BZD23-C130	5159A
BZD23-C150	5161A
BZD23-C160	5162A
BZD23-C180	5164A
BZD23-C200	5166A
BZO61	137A
BZ-O90	139A
BZO90	139A
BZS2.7	5002A
BZT03-C7V5	5121A
BZT03-C8V2	5122A
BZT03-C9V1	5124A
BZT03-C10	5125A
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BZV17C43	5087A
BZV17C47	5088A
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BZV17C56	5090A
BZV48C39	5144A
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BZV58C4V3	5114A
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BZV58C5V1	5116A
BZV58C5V6	5117A
BZV58C6V2	5119A
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BZV58C82	5153A
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BZV85C75	5094A
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BZW04-16	4928
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BZW04-55	4958
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BZW04-171	4988
BZW04-171B	4989
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BZW04P11B	4919
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BZW04P15B	4927
BZW04P17	4928
BZW04P17B	4929
BZW04P23	4934
BZW04P23B	4935
BZW04P44	4950
BZW04P44B	4951
BZW04P58	4958
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BZW04P171B	4989
BZW06-5V5	4902
BZW06-5V8	4902
BZW06-10	4918
BZW06-14	4926
BZW06-22	4934
BZW06-41	4950
BZW06-55	4958
BZW06-162	4988
BZW70-6V8	4902
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BZX14	139A
BZX15V	145A
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BZ-X19	145A
BZX19	145A
BZX25	146A
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BZX29C4V7	5069A
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BZX55C3V	5004A
BZX55C3V0	5004A
BZX55C3V3	5005A
BZX55C3V6	5006A
BZX55C3V9	5007A
BZX55C4V3	5008A
BZX55C4V7	5009A
BZX55C5V1	5010A
BZX55-C5V1	5010A
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BZX55C6V8	5014A
BZX55C7V5	5015A
BZX55C8V2	5016A
BZX55C9V1	5018A
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BZX60C47	5088A
BZX60C51	5089A
BZX60C56	5090A
BZX61C3V6	5112A
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BZX61C4V7	5115A
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BZX61C100	5220A
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BZX66	5071A
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BZX69C11	5074A
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BZX70C75	5152A
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BZX71C8V2	5016A
BZX71C9V1	139A
BZX71C9V2	5018A
BZX71C10	5019A
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BZX71C12	5021A
BZX71C13	5022A
BZX-71C15	145A
BZX71C15	5024A
BZX71C16	5025A
BZX71C18	5027A
BZX71C20	5029A
BZX71C22	5030A
BZX71C24	5031A
BZX72	5018A
BZX72A	5018A
BZX72B	5018A
BZX72C	5018A
BZX76	143A
BZX79A5V1	5010T1
BZX79A5V6	5011T1
BZX79A6V2	5013T1
BZX79A10	5019T1
BZX79A12	5021T1
BZX79B5V1	5010T1
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BZX79B10	5019T1
BZX79B12	5021T1
BZX79C2V4	5000A
BZX79C2V7	5002A
BZX79C3V	5004A
BZX79C3V0	5004A
BZX79C3V3	5005A
BZX79C3V6	5006A
BZX79C3V9	5007A
BZX79C4V3	5008A
BZX79-C4V3	5008A
BZX79C4V7	5009A
BZX79C5V1	5010A
BZX79C5V6	5011A
BZX79/C5V6	5011A
BZX79-C6	5012A
BZX79C6V2	5013A
BZX79C6V8	5014A
BZX79/C6.8	5071A
BZX79C7V5	5015A
BZX79C8V2	5016A
BZX79C9V1	5018A
BZX79/C9V1	5018A
BZX79-C10	5019A
BZX79C10	5019A
BZX79C10V	5019A
BZX79C11	5020A
BZX79C11V	5020A
BZX79/C12	5021A
BZX79C12	5021A
BZX79C12V	5012A
BZX79C13	5022A
BZX79-C13	5022A
BZX79C13V	5022A
BZX79C15	5024A
BZX79C15V	5024A
BZX79C16	5025A
BZX79C16V	5025A
BZX79C18	5027A
BZX79/C18	5077A
BZX79C18V	5027A
BZX79C20	5029A
BZX79C20V	5029A
BZX79C22	5030A
BZX79C22V	5030A
BZX79/C24	5081A
BZX79C24	5031A
BZX79C24V	5031A
BZX79C27	5033A
BZX79C27A	5033A
BZX79C27V	5033A
BZX79C30	5035A
BZX79C30V	5035A
BZX79C33	5036A
BZX79C33V	5036A
BZX79C36	5037A
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BZX79C43	5039A
BZX79C47	5040A
BZX79C51	5041A
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BZX79C62	5044A
BZX79C68	5045A
BZX79C75	5046A
BZX79D5V1	5010A
BZX79F5V1	5010T1
BZX79F5V6	5011T1
BZX79F6V2	5013T1
BZX79F10	5019T1
BZX79F12	5021T1
BZX80C6V8	5071A
BZX80C7V5	138A
BZX80C8V2	5072A
BZX80C9V1	139A
BZX80C10	140A
BZX81C11	5074A
BZX81C13	143A
BZX81C15	145A
BZX81C16	5075A
BZX81C18	5077A
BZX81C20	5079A
BZX81C22	5080A
BZX81C24	5081A
BZX81C27	146A
BZX82C9	5086A
BZX82C30	5084A
BZX82C33	147A
BZX82C36	5085A
BZX82C43	5087A
BZX82C47	5088A
BZX82C51	5089A
BZX82C56	5090A
BZX83C2V4	5000A
BZX83C2V7	5002A
BZX83C3V0	5004A
BZX83C3V3	5005A
BZX83C3V6	5006A
BZX83C3V9	5007A
BZX83C4V3	5008A
BZX83C4V7	5009A
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BZX83C5V6	5011A
BZX83C6V2	5013A
BZX83C6V8	5014A
BZX83C7V5	5015A
BZX83C8V2	5016A
BZX83C9V1	5018A
BZX83C10	5019A
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BZX83C15	5024A
BZX83C16	5025A
BZX83C18	5027A
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BZX83C24	5031A
BZX83C27	5033A
BZX83C30	5035A
BZX83C33	5036A
BZX83C36	5037A
BZX83C39	5038A
BZX84C5V6	136A
BZX84C6V2	137A
BZX84C6V8	5071A
BZX85-5V1	5010A
BZX85C2V7	5063A
BZX85C3V0	5065A
BZX85C3V3	5066A
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BZX85C3V9	5067A
BZX85C4V3	5068A
BZX85C4V7	5069A
BZX85C5V6	136A
BZX85C6V2	137A
BZX85C6V8	5071A
BZX85C7V5	138A
BZX85C8V2	5072A
BZX85C9V1	139A
BZX85C10	140A
BZX85C11	5074A
BZX85C12	142A
BZX85C13	143A
BZX85C15	145A
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BZX85C22	5080A
BZX85C24	5081A
BZX85C27	146A
BZX85C30	5084A
BZX85C33	147A
BZX85C36	5085A
BZX85C39	5086A
BZX85C43	5087A
BZX85C47	5146A
BZX85C51	5147A
BZX85C56	5148A
BZX85C62	5150A
BZX85C68	5151A
BZX85C75	5152A
BZX85C91	5155A
BZX85C100	5156A
BZX85C110	5157A
BZX85C120	5158A
BZX85C130	5159A
BZX85C150	5161A
BZX85C160	5162A
BZX85C180	5164A
BZX85C200	5166A
BZX85CV1	5116A
BZX87/C10	5125A
BZX87C10	5125A
BZX87C12	5127A
BZX87C20	5135A◆
BZX87C43	5145A
BZX88C2V7	5002A
BZX88C4V7	5069A
BZX88C5V6	136A
BZX88C6V2	137A
BZX88C6V8	5071A
BZX89C7V5	138A
BZX89C8V2	5072A
BZX89C9V1	139A
BZX89C10	140A
BZX89C11	5074A
BZX89C12	142A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
BZX94C62	149A
BZX95C4V7	5009A
BZX95C5V1	5010A
BZX95C5V6	5011A
BZX95C6V2	5013A
BZX95C6V8	5014A
BZX95C7V5	5015A
BZX95C8V2	5016A
BZX95C9V1	5018A
BZX95C10	5019A
BZX95C11	5020A
BZX95C12	5021A
BZX95C13	5022A
BZX95C15	5024A
BZX95C16	5025A
BZX95C18	5027A
BZX95C20	5029A
BZX95C22	5030A
BZX95C24	5031A
BZX95C27	5033A
BZX95C30	5035A
BZX95C33	5036A
BZX95C36	5037A
BZX96C3V3	5111A
BZX96C3V6	5112A
BZX96C3V9	5113A
BZX96C4V3	5114A
BZX96C4V7	5115A
BZX96C5V1	5116A
BZX96C5V6	5117A
BZX96C6V2	5119A
BZX96C6V8	5120A
BZX96C7V5	5121A
BZX96C8V2	5122A
BZX96C9V1	5124A
BZX96C10	5125A
BZX96C11	5126A
BZX96C12	5127A
BZX96C13	5128A
BZX96C15	5129A
BZX96C16	5131A
BZX96C18	5133A
BZX96C20	5135A
BZX96C22	5136A
BZX96C24	5137A
BZX96C27	5139A
BZX96C30	5141A
BZX96C33	5142A
BZX97C2V4	5000A
BZX97C2V7	5002A
BZX97C3V3	5005A
BZX97C3V6	5006A
BZX97C3V9	5007A
BZX97C4V3	5008A
BZX97C4V7	5009A
BZX97C5V1	5010A
BZX97C5V6	5011A
BZX97C6V2	5013A
BZX97C6V8	5014A
BZX97C7V5	5015A
BZX97C8V2	5016A
BZX97C9V1	5018A
BZX97C10	5019A
BZX97C11	5020A
BZX97C12	5021A
BZX97C13	5022A
BZX97C15	5024A
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BZX97C20	5029A
BZX97C22	5030A
BZX97C24	5031A
BZX97C27	5033A
BZX97C30	5035A
BZX97C33	5036A
BZX97C36	5037A
BZX97C43	5039A
BZX97C47	5040A
BZY18	142A
BZY-19	145A
BZY19	145A
BZY29C33	1477A
BZY56	5069A
BZY57	5010A
BZY58	136A
BZY59	137A
BZY60	5071A
BZY61	5015A
BZY62	5016A
BZY63	5018A
BZY64	5008A
BZY65	5010A
BZY66	5013A
BZY67	5015A
BZY68	5018A
BZY69	5021A
BZY74	5180AK
BZY75	5182AK
BZY76	5185AK
BZY78	5011A
BZY78P	5011A
BZY83C4V7	5009A
BZY83C5V1	5010A
BZY83C5V6	5011A
BZY83/C5V6	5011A
BZY83C6V2	5013A
BZY83C6V8	5014A
BZY83C7V5	5015A
BZY83C8V2	5016A
BZY83C9V1	5018A
BZY83C10	5019A
BZY83/C10	5019A
BZY83C11	5020A
BZY83C12	5021A
BZY83C13V5	5022A
BZY83/C15	5024A
BZY83C15	5024A
BZY83C16	5025A
BZY83C16V5	5026A
BZY83C18	5027A
BZY83C20	5029A
BZY83C22	5030A
BZY83C24V5	5032A
BZY83D4V7	5009A
BZY83/D5V6	136A
BZY83D5V6	5011A
BZY83D6V8	5014A
BZY83D8V2	5016A
BZY83D10	5019A
BZY83/D10	140A
BZY83D12	5021A
BZY83/D15	145A
BZY83D15	5024A
BZY-83D15	145A
BZY83D18	5027A
BZY83D22	5030A
BZY84D5V6	5178A
BZY84D8V2	5183A
BZY84D10	5185A
BZY84D12	5188A
BZY85B2V7	5002A
BZY85B3V3	5066A
BZY85B6V8	5071A
BZY85B7V5	138A
BZY85B8V2	5072A
BZY85B9V1	139A
BZY85C2V7	5063A
BZY85C3	5065A
BZY85C3V3	5066A
BZY85/C3V6	134A
BZY85C3V6	134A
BZY85C3V9	5067A
BZY85C4V3	5068A
BZY85C4V7	5069A
BZY85C5V1	5010A
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BZY85C6V2	137A
BZY85C6V8	5014A
BZY85C7V5	5015A
BZY85C8V2	5016A
BZY85C9V1	139A
BZY85C10	140A
BZY85C11	5074A
BZY85C12	142A
BZY85C13	143A
BZY85C15	145A
BZY92C16	5075A
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BZY92C27	146A
BZY92C30	5084A
BZY92C33	147A
BZY92C36	5085A
BZY93C6V8	5247AK◆
BZY93C6V8R	5247A◆
BZY93C7V5	5248AK◆
BZY93C7V5R	5248A◆
BZY93C8V2	5249AK◆
BZY93C8V2R	5249A◆
BZY93C9V1	5251AK◆
BZY93C9V1R	5251A◆
BZY93C10	5252AK◆
BZY93C10R	5252A◆
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BZY93C11R	5253A◆
BZY93C12	5254AK◆
BZY93C12R	5254A◆
BZY93C13	5255AK◆
BZY93C13R	5255A◆
BZY93C15	5257AK◆
BZY93C15R	5257A◆
BZY93C16	5258AK◆
BZY93C16R	5258A◆
BZY93C18	5260AK◆
BZY93C18R	5260A◆
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BZY93C20R	5262A◆
BZY93C22	5263AK◆
BZY93C22R	5263A◆
BZY93C24	5264AK◆
BZY93C27	5266AK◆
BZY93C27R	5266A◆
BZY93C30	5268AK◆
BZY93C30R	5268A◆
BZY93C33	5269AK◆
BZY93C33R	5269A◆
BZY93C36	5270AK◆
BZY93C36R	5270A◆
BZY93C39	5271AK◆
BZY93C39R	5271A◆
BZY93C43	5272AK◆
BZY93C43R	5272A◆
BZY93C47	5274AK◆
BZY93C47R	5274A◆
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BZY93C51R	5276A◆
BZY93C56	5278AK◆
BZY93C56R	5278A◆
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BZY93C62R	5280A◆
BZY93C68	5281AK◆
BZY93C68R	5281A◆
BZY93C75	5282AK◆
BZY93C75R	5282A◆
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BZY96C10	5125A
BZY97C3V0	5004A
BZY9334R	5264A
BZY9513	5128A
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BZZ11	5014A
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BZZ15	5180AK
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BZZ17	5182AK
BZZ18	5183AK
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BZZ20	5186AK
BZZ21	5187AK
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BZZ24	5191AK
BZZ25	5192AK
BZZ26	5194AK
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BZZ28	5197AK
BZZ29	5198AK
C00686-0258-0	159
C0068602720	159
C00 686 0241	159
C00 68602300	123A
C02	5072A
C04-02	116
C04-04	116
C04-06	116
C04-10	125
C05-03C	113A
C05-08V	125
C05-10	125
C06-15	525
C06C	506
C08P1	113A
C08P1R	115
C0102L7	125
C0110(Diode)	125
C0406(Diode)	125
C0410	125
C0410V	125
C0508	125
C0508V	125
C0510	125
C0615	525
C0900P(HEP)	9662§
C0901P(HEP)	9663§
C0902P(HEP)	9668§
C0903P(HEP)	9669
C0904P(HEP)	9670§
C0905P(HEP)	9661
C0906P(HEP)	9664§
C0907P(HEP)	9682§
C0908P(HEP)	9681
C0909P(HEP)	9672§
C0910P(HEP)	9665
C0911P(HEP)	9667§
C0912P(HEP)	9663§
C010174-02	855
C010745-03	6507
C010745-12	6507
C010750	6532
C010750-03	6532
C010750-05	6532
C010750-12	6532
C010816	4050B
C010816-01	4050B
C010816-03	4050B
C010819-01	960
C014313	74LS244
C014331-09	2117
C014336	4051B
C014341	74LS10
C014344	74LS138
C014345	74LS158
C014348	960
C014377	6502
C014809	288
C017097	74LS08
C018991	159
C060474	74LS51
C060607	519
C060612	2164
C061428	74LS138
C061702	928M
C061850	74LS14
C1-12	362
C1-12Z	362
C1-28	311
C1-1002	724
C1-1004	718
C1A	178MP
C1B	116
C1H	116
C1.0E02	125
C2AJ102	116
C-2C	506
C2SC2498	10
C2.0E2	525
C3-4	5547
C3-12	363
C4LS374AP	74LS374
C4P03Q	6085
C4P04Q	6085
C4P05Q	6086
C4P06Q	6086
C4P09Q	6086
C4P10Q	6086
C5-12	363
C5V6	5011A
C6B3	5400
C-6BX212	6401
C6P10F	6240
C6P10FU	6240
C6P20F	6240
C6P20FU	6240
C6P30F	6241
C6P40F	6241
C7A4	5454
C8P03Q	6085
C8P04Q	6085
C8P05Q	6086
C8P06Q	6086
C9F-10A580	128
C10	113A
C10-02A	113A
C10-1B	113A
C10-12A	364
C10-13B	113A
C10-15B	113A
C10-15C	113A
C10-16A	113A
C10-18B	113A
C10-20A	178MP
C10-20A	178MP
C10-22C	178MP
C10-31A	113A
C10-38C	113A
C10-47B	113A
C10A(SCR)	5482§
C10B(SCR)	5483§
C10C(SCR)	5485§
C10D(SCR)	5485§
C10F(SCR)	5481§
C10H(SCR)	5485§
C10P03Q	6085
C10P04Q	6085
C10P06Q	6086
C10P09Q	6086
C10P10F	6240
C10P10FR	6244
C10P10FU	6240
C10P10FUR	6244
C10P10Q	6086
C10P20F	6240
C10P20FR	6244
C10P20FU	6240
C10P20FUR	6244
C10P30F	6241
C10P40F	6241
C10U(SCR)	5481§
C11	103A
C11A(SCR)	5482§
C11A-U	5483§
C11B(SCR)	5483§
C11C(SCR)	5485§
C11D(SCR)	5485§
C11E(SCR)	5487§
C11F(SCR)	5481§
C11G(SCR)	5483§
C11H(SCR)	5485§
C11M(SCR)	5487§
C11S1C1E1C	116
C11U(SCR)	5481§
C12-12	364
C12(Transistor)	128
C13(Transistor)	101
C14	101
C15-1	123A
C15-2	123A
C15-3	123A
C15(Transistor)	123A
C15A(SCR)	5482§
C15A-U	5483§
C15B(SCR)	5483§
C15C(SCR)	5485§
C15D(SCR)	5485§
C15E(SCR)	5487§
C15F(SCR)	5481§
C15G(SCR)	5483§
C15H(SCR)	5485§
C15M(SCR)	5487§
C15U(SCR)	5481§
C16	123A
C16(IC)	1045
C-16(IC)	1045
C16A	123A
C16A(IC)	1045
C16C(IC)	1045
C16P03Q	6090#
C16P04Q	6090#
C16P10F	6246#
C16P10FU	6246#
C16P20F	6246#
C16P20FU	6246#
C16P30F	6247#
C16P40F	6247#
C17	123A
C17(IC)	1047
C17A	123A
C17C(IC)	1047
C17C/D368(IC)	1047
C18	123A
C19	128
C20	128
C20A(SCR)	5491
C20A-U	5483§
C20B(SCR)	5492
C20C1(IC)	1075A
C20C2(IC)	1075A
C20C(IC)	1075A
C20D(SCR)	5496
C20F(SCR)	5491
C20U(SCR)	5491
C21	130
C22B(SCR)	5514
C22C(IC)	1078§
C23	400/128
C23C	1046
C23C(IC)	1046
C24	400/128
C25-06	552
C25-06M	580
C25P03Q	6090#
C25P04Q	6090#
C25P10F	6246#
C25P10FU	6246#
C25P20F	6246#
C25P20FU	6246#
C25P30F	6247#
C25P40F	6247#
C26	123A
C27	123A
C27-13	506
C27C1(IC)	1124
C27C(IC)	1124
C28	123
C29	123
C-29C2	1089
C29C-2(IC)	1089*
C29C2(IC)	1089*
C29C3(IC)	1089*
C29C(IC)	1089*
C29CZ	1089
C30	128
C30-1(SCR)	5547
C30-2(SCR)	5547
C30-5	5547
C30A(SCR)	5522
C30B(SCR)	5524
C30C(IC)	1049
C30C(SCR)	5527
C30D(SCR)	5527
C30F(SCR)	5521
C30P03Q	6090#
C30P04Q	6090#
C30U(SCR)	5521
C31	123A
C31(IC)	1048
C31A(IC)	1048
C31C	1048
C31C1(IC)	1048
C31C(IC)	1048
C32	123A
C32A	128
C32A(SCR)	5517
C32B	5518
C32C	5518
C32C(IC)	1050
C32D	5519
C32F	5517
C32U	5517
C33	161
C34(Transistor)	103A
C35-02	588
C35(Transistor)	103A
C35A(SCR)	5542
C35B(SCR)	5543
C35C(SCR)	5545
C35D(SCR)	5545
C35E(SCR)	5547
C35F(SCR)	5541
C35G(SCR)	5543
C35H(SCR)	5545
C35M(SCR)	5547
C35U(SCR)	5541
C36	103
C36(Transistor)	101
C36A(SCR)	5502
C36B(SCR)	5504
C36C(SCR)	5507
C36D(SCR)	5507
C36E(SCR)	5509
C36F(SCR)	5501
C36G(SCR)	5504
C36H(SCR)	5507
C36U(SCR)	5501
C37	123A
C37(Transistor)	123A
C37A(SCR)	5522
C37B(SCR)	5524
C37C(SCR)	5527
C37D(SCR)	5527
C37E(SCR)	5529
C37F(SCR)	5521
C37M(SCR)	5529
C37N(SCR)	5531
C37O(SCR)	123A
C37S(SCR)	5531
C37U(SCR)	5521
C38-04	576
C38-05	577
C38-06	577
C38(Transistor)	123A
C38A(SCR)	5541
C38B(SCR)	5543
C38C(SCR)	5545
C38D(SCR)	5545
C38E(SCR)	5547
C38F(SCR)	5541
C38G(SCR)	5543
C38H(SCR)	5545
C38M(SCR)	5547
C38U(SCR)	5541
C39-207	123A
C39(Transistor)	108
C39A	108
C40	108
C40G	5360
C41	163A
C41C(IC)	1093
C41TV	163A
C42	163A
C42A	163A
C43	163A
C44	163A
C44-04	552
C45	123A
C45A(SCR)	5570◆
C45B(SCR)	5570◆
C45C(SCR)	5572◆
C45D(SCR)	5572◆
C45E(SCR)	5572◆
C45F(SCR)	5570◆
C45G(SCR)	5570◆
C45H(SCR)	5572◆
C45M30X2	5368
C45M(SCR)	5572◆
C45N(SCR)	5574◆
C45P(SCR)	5574◆
C45PA(SCR)	5574◆
C45PB(SCR)	5574◆
C45S(SCR)	5574◆
C45T(SCR)	5574◆
C45U(SCR)	5570◆
C46	128
C46A(SCR)	5575◆
C46B(SCR)	5575◆
C46C(IC)	1077
C46C(SCR)	5577◆
C46D(SCR)	5577◆
C46E(SCR)	5577◆
C46F(SCR)	5575◆
C46G(SCR)	5575◆
C46H(SCR)	5577◆
C46M(SCR)	5577◆
C46N(SCR)	5579◆
C46P(SCR)	5579◆
C46PA(SCR)	5579◆
C46PB(SCR)	5579◆
C46S(SCR)	5579◆
C46T(SCR)	5579◆
C46U(SCR)	5575◆
C47	128
C47-02	580
C47-04	580
C47C(IC)	1076
C48	128
C48C	128
C48C-1(IC)	1091*
C48C1(IC)	1091*
C48C(IC)	1091*
C48M30	5371
C48M30X2	5368
C48M40	5371
C48M40X2	5368
C48N30	5372
C48N30X2	5369
C48N40	5372
C48N40X2	5369
C48P30	5372
C48P30X2	5369
C48P40	5372
C48P40X2	5369
C48PA30	5372
C48PA30X2	5369
C48PA40	5372
C48PA40X2	5369
C48PB30	5372
C48PB30X2	5369
C48PB40	5372
C48PB40X2	5369
C48S30	5372
C48S30X2	5369
C48S40	5372
C48S40X2	5369
C48T30	5372
C48T30X2	5369
C48T40	5372
C48T40X2	5369
C49	154
C49A10	5371
C49A10X2	5368
C49A20	5371
C49A20X2	5368
C49B10	5371
C49B10X2	5368
C49B20	5371
C49B20X2	5368
C49C10	5371
C49C10X2	5368
C49C20	5371
C49C20X2	5368
C49C(IC)	1086*
C49D10	5371
C49D10X2	5368
C49D20	5371
C49D20X2	5368
C49E10	5371
C49E10X2	5368
C49E20	5371
C49E20X2	5368
C49M10	5371
C49M10X2	5368
C49M20	5371
C49M20X2	5368
C49Y	128
C50(Transistor)	101
C50A	101
C50A(SCR)	5570◆
C50B(SCR)	5570◆
C50BA042	121
C50C(IC)	1084
C50C(SCR)	5572◆
C50D(SCR)	5572◆
C50E(SCR)	5572◆
C50F(SCR)	5570◆
C50G(SCR)	5570◆
C50H(SCR)	5572◆
C50M	5572
C50M(SCR)	5572◆
C50N(SCR)	5574◆
C50P(SCR)	5574◆
C50PA(SCR)	5574◆
C50PB(SCR)	5574◆
C50S(SCR)	5574◆
C50T(SCR)	5574◆
C50U(SCR)	5570◆
C51	128
C52(Transistor)	123A
C52A(SCR)	5575◆
C52B(SCR)	5575◆
C52C(SCR)	5577◆
C52D(SCR)	5577◆
C52E(SCR)	5577◆
C52F(SCR)	5575◆
C52G(SCR)	5575◆
C52H(SCR)	5577◆
C52M(SCR)	5577◆
C52N(SCR)	5579◆
C52P(SCR)	5579◆
C52PA(SCR)	5579◆
C52PB(SCR)	5579◆
C52S(SCR)	5579◆
C52T(SCR)	5579◆
C52U(SCR)	5575◆
C53	123A
C54	123A
C55	123A
C56	107
C58	154
C58A	154
C59	154
C60	103A
C60(diode)	109
C60(transistor)	101
C61	128
C62(Transistor)	123A
C63	123A
C63(Japan)	108
C64	128
C64(Japan)	154
C65	154
C65B	154
C65N	154
C65Y	154
C65YA	154
C65YB	154
C65YTV	154
C66	154
C66-P11111-0001	123A
C66-P11150-00001	123A
C69	154
C70	154
C71	101
C72	101
C73	100
C73(Japan)	101
C74	123
C75	100
C75(Japan)	101
C75C2(IC)	1140
C76	100
C76(Japan)	101
C77	101
C77C	101
C78	101
C78L05J(IC)	977
C79	108
C80	161
C81-004	586
C81C(IC)	1075A
C82-004	6085
C82M	6085◆
C82S	108
C83-829	116
C83-880	116
C84-009	579
C87	123A
C88	128
C88A	128
C89	101
C90	101
C91(GER)	101
C92	282§
C92-0025-R0	724
C92-0025-RO	784
C93	282§
C93-02	6246#

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
C94	282§
C94E	457
C95	128
C98	123A
C99	123A
C99CD	128
C101(Japan)	124
C102(Japan)	105
C103	123A
C103(Japan)	123A
C103A(SCR)	5402
C103A(transistor)	123A
C103B(SCR)(AGK)	5404
C103Q(SCR)	5400
C103Y(SCR)(AGK)	5400
C103YY(AGK)	5401
C104	123A
C104A	123A
C105	123A
C106	2347
C106(PNP)	129
C106A1	5454
C106A2	5454
C106A3	5454
C106A4	5454
C106A(MOT)	5413
C106A(SCR)	5454
C106B1	5455
C106B2	5455
C106B3	5455
C106B4	5455
C106B(MOT)	5414
C106B(SCR)	5455
C106C1	5457
C106C2	5457
C106C3	5457
C106C4	5457
C106C(MOT)	5415
C106C(SCR)	5457
C106D1	5457
C106D2	5457
C106D3	5457
C106D4	5457
C106D(MOT)	5415
C106D(SCR)	5457
C106E1	5458
C106E2	5458
C106E3	5458
C106E4	5458
C106E(MOT)	5416
C106F1	5453
C106F2	5453
C106F3	5453
C106F4	5453
C106F(MOT)	5412
C106F(SCR)	5453
C106M1	5458
C106M2	5458
C106M3	5458
C106M4	5458
C106M(MOT)	5416
C106Q1	5452
C106Q2	5452
C106Q3	5452
C106Q4	5452
C106Q(MOT)	5411
C106Q(SCR)	5452
C106Y1	5452
C106Y2	5452
C106Y3	5452
C106Y4	5452
C106Y(MOT)	5412
C106Y(SCR)	5452
C107A1	5454
C107A2	5454
C107A3	5454
C107A(SCR)	5454
C107B1	5455
C107B2	5455
C107B3	5455
C107B4	5455
C107B(SCR)	5455
C107C1	5457
C107C2	5457
C107C3	5457
C107C4	5457
C107C(SCR)	5457
C107D1	5457
C107D2	5457
C107D3	5457
C107D4	5457
C107D(SCR)	5457
C107F1	5453
C107F2	5453
C107F3	5453
C107F4	5453
C107F(SCR)	5453
C107Q1	5452
C107Q2	5452
C107Q3	5452
C107Q4	5452
C107Q(SCR)	5452
C107Y1	5452
C107Y2	5452
C107Y3	5452
C107Y4	5452
C107Y(SCR)	5452
C108	128
C108A-O	128
C108A-R	128
C108A-Y	128
C108-O	128
C108-R	128
C108-Y	128
C109	128
C109A	128
C109A-O	128
C109A-R	128
C109A-Y	128
C109-O	128
C109-R	128
C109-Y	128
C110	5481§
C111	123A
C111B	108
C111D	123A
C111E	123A
C112(Japan)	128
C112(PNP)	129
C112A	364
C113	128
C114	128
C114EA(Dig. Trans)	2355◆
C114EF(Dig. Trans)	2355◆
C114EK(Dig. Trans)	2414
C114ES(Dig. Trans)	2355
C115	128
C116	123
C116T	195A
C118(Japan)	128
C119(Japan)	128
C120	123A
C121	128
C122(SCR)	5466
C122(Transistor)	128
C122A1	5462
C122A2	5462
C122A3	5462
C122A4	5462
C122A5	5462
C122A6	5462
C122A(SCR)	5462
C122B1	5463
C122B2	5463
C122B3	5463
C122B4	5463
C122B5	5463
C122B6	5463
C122B(SCR)	5463
C122C1	5465
C122C2	5465
C122C3	5465
C122C4	5465
C122C5	5465
C122C6	5465
C122C(SCR)	5465
C122D1	5465
C122D2	5465
C122D3	5465
C122D4	5465
C122D5	5465
C122D6	5465
C122D(SCR)	5465
C122E	5466
C122F1	5461
C122F2	5461
C122F3	5461
C122F4	5461
C122F5	5461
C122F6	5461
C122F(SCR)	5461
C122M	5466
C122N1	5468
C122S1	5468
C122UX5(SCR)	5461
C123(Transistor)	128
C123A(SCR)	5417
C123B(SCR)	5417
C123C(SCR)	5418
C123D(SCR)	5418
C123E(SCR)	5419
C123F(SCR)	5417
C123M	5419
C124	128
C124EA(Dig. Trans)	2357◆
C124EF(Dig. Trans)	2357◆
C124EK(Dig. Trans)	2416
C124ES(Dig. Trans)	2357
C124N(Dig. Trans)	2357
C126A(SCR)	5552◆
C126B(SCR)	5552◆
C126C(SCR)	5554◆
C126D(SCR)	5554◆
C126E(SCR)	5556◆
C126F(SCR)	5550◆
C126M(SCR)	5556◆
C127	123A
C127A(SCR)	5552
C127B(SCR)	5552
C127C(SCR)	5554
C127D(SCR)	5554
C127E(SCR)	5556
C127F(SCR)	5550
C127M(SCR)	5556
C128	101
C129	101
C130	128
C130L	128
C131	123A
C132	123A
C133	123A
C134	123A
C134B	123A
C135	123A
C135A(SCR)	5542
C135B(SCR)	5543
C135C(SCR)	5545
C135D(SCR)	5545
C135E(SCR)	5547
C135F(SCR)	5541
C135M(SCR)	5547
C136	123A
C137(Transistor)	123A
C137E(SCR)	5547
C137M(SCR)	5547
C137N(SCR)	5548
C137S(SCR)	5548
C138(Transistor)	123A
C138E10E	5360◆
C138E20E	5360
C138M10M	5360◆
C138M20M	5360
C139(Transistor)	123A
C139E10E	5360◆
C139E20E	5360
C139M10M	5360◆
C139M20M	5360
C140(Transistor)	128
C140A	5360◆
C140B	5360◆
C140C	5360◆
C140D	5360◆
C140F	5360◆
C141A	5360
C141B	5360
C141C	5360
C141D	5360
C141F	5360
C143-05	960
C143C08	964
C143EA(Trans)	2367◆
C143EF(Trans)	2367◆
C143EL(Trans)	2367◆
C143ES(Trans)	2367
C143EV(Trans)	2367◆
C143ZA(Trans)	2369◆
C143ZF(Trans)	2369◆
C143ZL(Trans)	2369◆
C143ZS(Trans)	2369
C143ZV(Trans)	2369◆
C144E15E	5360
C144E30E	5360
C144EA(Dig. Trans)	2359◆
C144EF(Dig. Trans)	2359◆
C144EK(Dig Trans)	2418
C144EN(Dig. Trans)	2359
C144ES(Dig. Trans)	2359
C144ESD(Dig.Trans)	2359
C144F(Dig. Trans)	2359◆
C144K(Dig Trans)	2418
C144M15E	5360
C144M30E	5360
C144N(Dig. Trans)	2359
C145AQ	289A
C147	128
C147A(SCR)	5567
C147B(SCR)	5567
C147C(SCR)	5568
C147D(SCR)	5568
C147E(SCR)	5568
C147M(SCR)	5568
C147N	5569
C147P	5569
C147PA	5569
C147PB	5569
C147S(SCR)	5569
C147T	5569
C148(Transistor)	108
C149	128
C150(SCR)	5481§
C150E(SCR)	5572
C150M(SCR)	5572
C150N(SCR)	5574
C150P(SCR)	5574
C150PA	5574
C150PB	5574
C150S(SCR)	5574
C150T	128
C150T(SCR)	5574
C151	123
C151H	123
C151HA	123
C151HB	123
C151HC	123
C151L	198◆
C151LM	198◆
C152(Transistor)	123
C152A	123
C152B	123
C152C	123
C152E(SCR)	5575
C152H	123
C152HA	123
C152HB	123
C152HC	123
C152M(SCR)	5575
C152P(SCR)	5579
C152PA	5579
C152PB	5579
C152S	5579
C152T	5579
C154	152
C154A(SCR)	5371
C154B(SCR)	5371
C154C(SCR)	5371
C154D(SCR)	5371
C154E(SCR)	5371
C154H(SCR)	5485§
C154HA	128
C154M(SCR)	5371
C155	107
C155A(SCR)	5371
C155B(SCR)	5371
C155C(SCR)	5371
C155D(SCR)	5371
C155E(SCR)	5371
C155M(SCR)	5371
C156	107
C156A(SCR)	5368◆
C156B(SCR)	5368◆
C156C(SCR)	5368◆
C156D(SCR)	5368◆
C156E(SCR)	5368◆
C156M(SCR)	5368◆
C157	123
C157(IC)	1171
C157A(IC)	1171
C157A(SCR)	5368
C157B(SCR)	5368
C157C(SCR)	5368
C157D(SCR)	5368
C157E(SCR)	5368
C157M(SCR)	5368
C158	123
C158E(SCR)	5371
C158M(SCR)	5371
C158N(SCR)	5372
C158P(SCR)	5372
C158PA(SCR)	5372
C158PB(SCR)	5372
C158S(SCR)	5372
C158T(SCR)	5372
C159	123A
C159E(SCR)	5368
C159M(SCR)	5368
C159N(SCR)	5369
C159P(SCR)	5369
C159PA(SCR)	5369
C159PB(SCR)	5369
C159S(SCR)	5369
C159T(SCR)	5369
C160	123A
C163	311
C164A2(SCR)	5368
C164A(SCR)	5371
C164B2(SCR)	5368
C164B(SCR)	5371
C164C2(SCR)	5368
C164C(SCR)	5371
C164D2(SCR)	5368
C164D(SCR)	5371
C164E2(SCR)	5368
C164E(SCR)	5371
C164M2(SCR)	5368
C164M(SCR)	5371
C165A2(SCR)	5368
C165A(SCR)	5371
C165B2(SCR)	5368
C165B(SCR)	5371
C165C2(SCR)	5368
C165C(SCR)	5371
C165D2(SCR)	5368
C165D(SCR)	5371
C165E2(SCR)	5368
C165E(SCR)	5371
C165M2(SCR)	5368
C165M(SCR)	5371
C165N2(SCR)	5369
C165N(SCR)	5372
C165S2(SCR)	5369
C165S(SCR)	5372
C166	123A
C167	123A
C170	123A
C170R	123A
C171	123A
C172	123A
C172A	123A
C173	101
C174	123A
C174A	161
C175	101
C175B	102A
C176	101
C177	101
C178	101
C178A	123A
C178B	123A
C178C	123A
C178HA	123A
C178HB	123A
C178HC	123A
C179	103A
C180(Transistor)	103A
C180A(SCR)	5580
C180AX500	5587
C180B(SCR)	5580
C180BX500	5587
C180C(SCR)	5582
C180CX500	5587
C180D(SCR)	5582
C180DX500	5587
C180E(SCR)	5582
C180EX500	5587
C180M(SCR)	5582
G180MX500	5587
C180N(SCR)	5584
C180NX500	5589
C180P(SCR)	5584
C180PA	5584
C180PB	5584
C180S(SCR)	5584
C180SX500	5589
C180T(SCR)	5584
C181	103A
C182	313
C182Q	313
C183	313
C183E	313
C183J	313
C183K	313
C183L	313
C183M	313
C183P	313
C183Q	313
C183R	313
C183W	313
C184	313
C184(Korea)	123AP
C184H	313
C184J	313
C184L	313
C184-O(Korea)	123AP
C184R(Korea)	123AP
C184Y(Korea)	123AP
C185	313
C185(Transistor)	313
C185A	313
C185J	313
C185M	313
C185Q	313
C185R	313
C185V	108
C186	107
C187	107
C187R	107
C187Y	107
C188	128
C188A	128
C188AB	128
C189	128
C189D	128
C189E	128
C189F	128
C189K	238
C190	128
C191	123A
C192	123A
C193	123A
C194	123A
C195	123A
C196	123A
C197	123A
C199	123A
C200(SCR)	5494
C200(transistor)	123A
C201	129
C201(Japan)	123A
C202	102A
C202(Japan)	123A
C203	123A
C203A(SCR)	5402
C203B(SCR)	5404
C203C(SCR)	5405
C203D(SCR)	5405
C203M(SCR)	5406
C203Y(SCR)	5400
C203YY	5401
C204	123A
C204F	123A
C205	123A
C206	161
C206(IC)	1075A
C207	161
C208	161
C209	161
C210	128
C211	128
C212	128
C213(Trans)	2347
C214(Trans)	2347
C215(Trans)	2347
C216	128
C217	128
C218	128
C218A	128
C219	161
C220	128
C220A4	5534A
C220A5	5534A◆
C220A(SCR)	5491
C220B4	5534A
C220B5	5534A◆
C220B(SCR)	5492
C220C4	5534A
C220C5	5534A◆
C220C(SCR)	5494
C220D4	5534A
C220D5	5534A◆
C220D(SCR)	5494
C220E4	5534A
C220E5	5534A◆
C220E(SCR)	5496
C220F4	5534A
C220F5	5534A◆
C220F(SCR)	5491
C220M4	5534A
C220M5	5534A◆
C220M(SCR)	5496
C220U4	5534A
C220U5	5534A◆
C220U(SCR)	5491
C220V	5491
C221	128
C222	128
C222A(SCR)	5514
C222B(SCR)	5514
C222C(SCR)	5515
C222D(SCR)	5515
C222DX111	5515
C222E(SCR)	5516
C222F(SCR)	5514
C222M(SCR)	5516
C222U(SCR)	5514
C223(Trans)	2347
C223(Transistor)	128
C223D(SCR)	5515
C224	282§
C224(Trans)	2347
C225(Trans)	2347
C226	128
C227	128
C228	128
C228A2	5562
C228A3	5562
C228A4	5534A
C228A5	5534A◆
C228A(SCR)	5542
C228B2	5562
C228B3	5562
C228B4	5534A
C228B5	5534A◆
C228B(SCR)	5543
C228C2	5564
C228C3	5564
C228C4	5534A
C228C5	5534A◆
C228C(SCR)	5545
C228D2	5564
C228D3	5564
C228D4	5534A
C228D5	5534A◆
C228D(SCR)	5545
C228E2	5566
C228E3	5566
C228E4	5534A
C228E5	5534A◆
C228E(SCR)	5547
C228F2	5562
C228F3	5562
C228F4	5534A
C228F(SCR)	5541
C228M2	5566
C228M3	5566
C228M4	5534A
C228M5	5534A◆
C228M(SCR)	5547
C228U2	5562
C228U3	5562
C228U4	5534A
C228U5	5534A◆
C228U(SCR)	5541
C229	128
C229A(SCR)	5517
C229B(SCR)	5517
C229C(SCR)	5518
C229D(SCR)	5518
C229E(SCR)	5519
C229F(SCR)	5517
C229M(SCR)	5519
C229U(SCR)	5517
C230	123A
C230A3(SCR)	5562◆
C230A4	5534A
C230A5	5534A◆
C230A(SCR)	5522◆
C230B3(SCR)	5562◆
C230B4	5534A
C230B5	5534A◆
C230B(SCR)	5524◆
C230C4	5534A
C230C5	5534A◆
C230D3(SCR)	5564◆
C230D4	5534A
C230D5	5534A◆
C230D(SCR)	5527
C230E4	5534A
C230E5	5534A◆
C230F3(SCR)	5562◆
C230F4	5534A
C230F5	5534A◆
C230F(SCR)	5521◆
C230M3(SCR)	5566◆
C230M4	5534A
C230M5	5534A◆
C230M(SCR)	5529◆
C230U4	5534A
C230U5	5534A◆
C231	123A
C232	123A
C232A(SCR)	5514
C232B(SCR)	5514
C232F(SCR)	5514
C232M(SCR)	5516
C233	123A
C233A(SCR)	5514
C233B(SCR)	5514
C233D(SCR)	5515
C233F(SCR)	5514
C233M(SCR)	5516
C234(Trans)	2347
C234A2	5562
C234A3	5562
C234A4	5534A
C234A5	5534A◆
C234A(SCR)	5522
C234B2	5562
C234B3	5562
C234B4	5534A
C234B5	5534A◆
C234B(SCR)	5524
C234C2	5564
C234C3	5564
C234C4	5534A
C234C5	5534A◆
C234C(SCR)	5527
C234D2	5564
C234D3	5564
C234D4	5534A
C234D5	5534A◆
C234D(SCR)	5527
C234E2	5566
C234E3	5566
C234E4	5534A
C234E5	5534A◆
C234E(SCR)	5529
C234F2	5562
C234F3	5562
C234F4	5534A
C234F5	5534A◆
C234F(SCR)	5521
C234M2	5566
C234M3	5566
C234M4	5534A
C234M5	5534A◆
C234M(SCR)	5529
C234U2	5562
C234U3	5562
C234U4	5534A
C234U5	5534A◆
C234U(SCR)	5521
C235(Trans)	2347
C235A(SCR)	5517
C235B(SCR)	5517
C235C(SCR)	5518
C235D(SCR)	5518
C235E(SCR)	5519
C235F(SCR)	5517
C235M(SCR)	5519
C235-O(Trans)	2347
C235U(SCR)	5517
C235Y(Trans)	2347
C236	128
C237	123A
C238	123A
C239	123A
C240	130
C241	130
C242	130
C242D	345
C243	280
C244	385
C245	385
C246	385
C247	128
C248	123A
C249	128
C250	123A
C251	161
C251A	161
C251C(IC)	778A
C252	161
C253	161
C253RS(Trans)	316
C254	128
C255	128
C256	128
C258C(IC)	778A
C261	195A
C266	313
C267A	123A
C270	165
C271	108
C272	108
C273	154
C277C	103A
C277C(IC)	943M
C281	123A
C281A	123A
C281B	123A
C281C	123A
C281C-EP	123A
C281D	123A
C281EP	123A
C281H	123A
C281HA	123A
C281HB	123A
C281HC	123A
C282	123A
C282(Transistor)	108
C282H	123A
C282HA	123A
C282HB	123A
C282HC	123A
C283	123A
C283(Transistor)	123A
C284	123A
C284H	123A
C284HA	123A
C284HB	123A
C285	311
C285A	311
C286(Transistor)	108
C287(Transistor)	313
C288(Trans)	65
C288A(5.B)	65
C288A(Trans)	65
C288E(STUD)	5547
C288F(5.B)	65
C288F(Trans)	65
C289	108
C290(Transistor)	195A
C291(Trans)	2347
C292(Trans)	2347
C293(Trans)	2347
C294(EBC)	81
C296	161
C298	282§
C298-4	282§
C299	427/282§
C300	123A
C300B	123A
C300C	123A
C300D	123A
C300E	123A
C301	123A
C301A(PNP)	129
C301B	123A
C301C	123A
C301D	123A
C301E	123A
C302(Japan)	123A
C302(PNP)	129
C302B	123A
C302C	123A
C302D	123A
C302E	123A
C303(IC)	1049
C306	128
C306B	128
C306C	128
C306D	128
C306E	128
C306F	128
C307	128
C307B	128
C307C	128
C307D	128
C307E	128
C308	128
C308(Trans)	2325
C309	128
C309B	128
C309C	128
C309D	128
C309E	128
C310(Trans)	2347◆
C310B	2347◆
C310C	2347◆
C310D	2347◆
C310E	2347◆
C311	195A
C312	224
C313	161
C313(Japan)	161
C313C	161
C313H	161
C315	123A
C316	123A
C317	123A
C317C	123A
C317-O	123A
C318	123A
C318-2	123A
C318-3	123A
C318-4	123A
C318-5	123A
C318-6	123A
C318(Japan)	123A
C318A	123A
C318A(Japan)	123A
C319	311
C320	472
C321	123A
C321H	123A
C321HA	123A
C321HB	123A
C321HC	123A
C323	123A
C324	123A
C324A	123A
C324C	987
C324H	123A
C324HA	123A
C325	316
C325A	316
C325C	316
C325E	152
C327(CBE-Europe)	159
C328	316
C328(CBE)	159
C328A	316
C329	316
C329B	316
C329C	316
C333H	123A◆
C333HA	123A◆
C333HB	123A◆
C333HC	123A◆
C335	123A
C337(CBE)	123AP
C337B	123A
C338	123A
C338(CBE)	123AP
C348	123A
C350(Transistor)	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C350E(SCR)	5591
C350H	123A
C350M(SCR)	5591
C350N(SCR)	5592
C350P(SCR)	5592
C350PA	5592
C350PB	5592
C350S(SCR)	5592
C350T(SCR)	5592
C351	107
C351(FA)	107
C352	123A
C352(Japan)	123A
C352A	123A
C352A(Japan)	128
C353	128
C353A	128
C354A(SCR)	5380
C354B(SCR)	5380
C354C(SCR)	5380
C354D(SCR)	5380
C354E(SCR)	5380
C354M(SCR)	5380
C355A(SCR)	5380
C355B(SCR)	5380
C355C(SCR)	5380
C355D(SCR)	5380
C355E(SCR)	5380
C355M(SCR)	5380
C358C(IC)	928M
C358E(SCR)	5380
C358M(SCR)	5380
C358N(SCR)	5381
C358P(SCR)	5381
C358PA(SCR)	5381
C358PB(SCR)	5381
C358S(SCR)	5381
C358T(SCR)	5381
C360	123A
C360B	123A
C360D	123A
C361	289A
C362	289A
C363	85
C364A(SCR)	5380
C364B(SCR)	5380
C364C(SCR)	5380
C364D(SCR)	5380
C364E(SCR)	5380
C364M(SCR)	5380
C365	5531
C365A(SCR)	5380
C365B(SCR)	5380
C365C(SCR)	5380
C365D(SCR)	5380
C365E(SCR)	5380
C365M(SCR)	5380
C365N(SCR)	5381
C365S(SCR)	5381
C366	85
C366G	85
C366-O	85
C366O	85
C366R	85
C366-R	85
C366-Y	85
C366Y	85
C367	85
C367AO	85
C367AR	85
C367AY	85
C367G	85
C367O	85
C367R	85
C367Y	85
C368	199
C368BL	199
C368GR	199
C368V	199
C369	199
C369BL	199
C369G	199
C369G-BL	199
C369GBL	199
C369GGR	199
C369G-GR	199
C369GR	199
C369G-V	199
C369V	199
C370	289A
C370F	289A
C370G	289A
C370H	289A
C370J	289A
C370K	289A
C371	289A
C371-0	289A
C371(0)	289A
C371B	289A
C371G	289A
C371O	289A
C371-O	289A
C371R	289A
C371-R	289A
C371-R-1	289A
C372	85
C372-1	85
C372-2	85
C372/4454C	85
C372(O)	85
C372(Trans)	2311#
C372BL	85
C372FA	85
C372G	85
C372GO	85
C372GR	85
C372GY	85
C372H	85
C372-O	85
C372-R	85
C372X	85
C372Y	85
C372-Y	85
C372-Z	85
C373	85
C373-0	85
C373BL	85
C373G	85
C373GR	85
C373S	85
C373W	85
C374	199
C374-BL	199
C374JA	199
C374-V	199
C375	107
C375-0	107
C375-O	311
C375-Y	107
C376	85
C377	85
C377-0	85
C377A	85
C377-O	85
C378	289A
C378-O	289A
C378-R	289A
C378-Y	289A
C379	85
C380	85
C380-0	85
C380-1	85
C380(Transistor)	229
C380A	85
C380A-0	289A
C380A-0(TV)	85
C380A(O)	85
C380A(SCR)	5590
C380A-C	85
C380A-O	85
C380AO	85
C380A-O(TV)	85
C380AR	85
C380A-R	85
C380A-R(TV)	85
C380ATV	85
C380AY	85
C380B(SCR)	5590
C380C(SCR)	5591
C380D	85
C380D(SCR)	5591
C380E(SCR)	5591
C380M(SCR)	5591
C380N(SCR)	5592
C380-O	85
C380P(SCR)	5592
C380PA	5592
C380PB	5592
C380R	85
C380S(SCR)	5592
C380T(SCR)	5592
C380TV	85
C380-Y	85
C380Y	85
C381	107
C381-0	107
C381BN	107
C381-O	107
C381R	107
C381-R	107
C382(ECB)	229
C382-BK(1)(ECB)	229
C382-BK(2)(ECB)	229
C382BK(ECB)	229
C382BL(ECB)	229
C382BN(ECB)	229
C382BR(ECB)	229
C382G(ECB)	229
C382-GR(ECB)	229
C382GR(ECB)	229
C382-GY(ECB)	229
C382R(ECB)	229
C382V(ECB)	229
C382W(ECB)	229
C383	85
C383F	85
C383G	85
C383T	85
C383TM(Trans)	85
C383W	85
C383Y	85
C384	107
C384A(SCR)	5380
C384B(SCR)	5380
C384C(SCR)	5380
C384D(SCR)	5380
C384E(SCR)	5380
C384M(SCR)	5380
C384-O	107
C384Y	107
C385(Transistor)	107
C385A	107
C385A(SCR)	5380
C385B(SCR)	5380
C385C(SCR)	5380
C385D(SCR)	5380
C385E(SCR)	5380
C385M(SCR)	5380
C385N(SCR)	5381
C385S(SCR)	5381
C386	107
C386A-0(TV)	107
C387(Transistor)	107
C387A(Transistor)	107
C387AG	107
C387E(SCR)	5386
C387G(Transistor)	107
C387M(SCR)	5386
C387N(SCR)	5387
C387P(SCR)	5387
C387PA(SCR)	5387
C387PB(SCR)	5387
C387S(SCR)	5387
C387T(SCR)	5387
C388	107
C388A	107
C388A-TM	107
C388ATM	107
C388ATMFA-1(Trans)	107
C388ATV	107
C388E(SCR)	5386
C388M(SCR)	5386
C388N(SCR)	5387
C388P(SCR)	5387
C388PA(SCR)	5387
C388PB(SCR)	5387
C388S(SCR)	5387
C388T(SCR)	5387
C389	161
C389-0	161
C389R	161
C390	316
C390E(SCR)	5595
C390M(SCR)	5595
C390N(SCR)	5596
C390P(SCR)	5596
C390PA	5596
C390PB	5596
C390T(SCR)	5596
C392	316
C392E(BCE)	289A
C393C(IC)	943M
C394	85
C394-0	85
C394A(SCR)	5386
C394B(SCR)	5386
C394C(SCR)	5386
C394D(SCR)	5386
C394E(SCR)	5386
C394GR	85
C394M(SCR)	5386
C394-O	85
C394R	85
C394W	85
C394X	85
C394Y	85
C395	123A
C395A	123A
C395R	123A
C396	311
C397(Transistor)	108
C397E(SCR)	5386
C397M(SCR)	5386
C397N(SCR)	5387
C397P(SCR)	5387
C397PA(SCR)	5387
C397PB(SCR)	5387
C397S(SCR)	5387
C397T(SCR)	5387
C398	319P
C398(FA-1)	319P
C398E(SCR)	5386
C398M(SCR)	5386
C398N(SCR)	5387
C398P(SCR)	5387
C398PA(SCR)	5387
C398PB(SCR)	5387
C398S(SCR)	5387
C398T(SCR)	5387
C399	319P
C400	123A
C400-0	123A
C400-GR	123A
C400-R	123A
C400-Y	123A
C401	289A
C401(Japan)	123A
C401A	289A
C401AK	289A
C401AL	289A
C402	289A
C402(Japan)	123A
C402A	289A
C403	289A
C403(3rd IF)(ECB)	233
C403(C)	289A
C403A	289A
C403B(Sony)	289A
C403C	289A
C403SP	289A
C404	289A
C405	123A
C406	123A
C407	385
C407(Japan)	162
C408	385
C409	385
C410	385
C411	385
C412	278
C420	128
C423	311
C423B	123A
C423C	123A
C423D	123A
C423E	123A
C423F	123A
C423S	123A
C423SC	123A
C423SD	123A
C423SE	123A
C423SF	123A
C424	123A
C424(Japan)	123A
C424D	123A
C425	128
C425B	123A
C425C	123A
C425D	123A
C425E	123A
C425F	123A
C426	128
C428	311
C429	313
C429J	313
C429X	313
C430	313
C430H	313
C430W	313
C440	311
C440N	5599
C441	311
C442	311
C443	128
C444	123A
C450	123A
C451C	987
C454	85
C454(A)	85
C454A	85
C454B	85
C454C	85
C454D	85
C454L	85
C454LA	85
C455	289A
C456	123A
C456A	195A
C456D	195A
C456-O	195A
C458	85
C458(Trans)	2348
C458(C)	85
C458A	85
C458AD	85
C458B	85
C458BC	85
C458BL	85
C458BX	85
C458C	85
C458CD	85
C458C/D	85
C458CLG	85
C458CM	85
C458-D	85
C458D	85
C458G	85
C458GLB	85
C458-GR(Trans)	85
C458K	85
C458KA	85
C458KB	85
C458KC	85
C458KD	85
C458L	85
C458LB	85
C458LC	85
C458LG	85
C458LG(B)	85
C458LGA	85
C458LGB	85
C458LGBM	85
C458LGC	85
C458LGD	85
C458LGO	85
C458LGS	85
C458M	85
C458-O(Trans)	85
C458P	85
C458PGC	85
C458RGS	85
C458TOK	85
C458V	85
C458VC	85
C458-Y(Trans)	85
C459	85
C459B	85
C459C	85
C459D	85
C460	85
C460(A)	85
C460(B)	85
C460A	85
C460AB	85
C460B	85
C460C	85
C460D	85
C460F	85
C460G	85
C460GB	85
C460H	85
C460K	85
C460L	85
C461	85
C461A	85
C461-B	85
C461B	85
C461C	85
C461E	85
C461L	85
C461R	85
C463	161
C463(Y)	131
C463H	161
C464	316
C464C	316
C465	316
C466	316
C466H	316
C467	108
C467B	108
C468	123A
C468(LGR)	123A
C468A	123A
C468B	123A
C468C	123A
C469	313
C469A	313
C469F	313
C469K	313
C469Q	313
C469R	313
C470	154
C472Y	123A
C475	313
C475K	313
C476	313
C477	161
C478	123A
C478-4	123A
C478(D)	123A
C478D	123A
C478YL	195A
C479	128
C479H	128
C481	128
C481X	195A
C482	128
C482-GR	195A
C482GR	195A
C482-O	195A
C482X	195A
C482-Y	195A
C482Y	195A
C484	324
C484BL	324
C484R	324
C484Y	324
C485	324
C485BL	324
C485C	324
C485R	324
C485Y	324
C486	324
C486BL	324
C486R	324
C486Y	324
C487	175
C488	175
C489	175
C490	175
C491	175
C491BL	175
C491R	175
C491Y	175
C492	280
C493	87
C493-BL	87
C493-R	87
C493-Y	87
C494C(IC)	1729
C495	295
C495-0	295
C495(RF PWR)	295
C495AQ	295
C495-O	184
C495-R	295
C495T	295
C495T(CB)	295
C495-X(Trans)	295
C495-Y	295
C495Y	295
C495-YX(Trans)	295
C496	295
C496-0	295
C496(O)	295
C496O	295
C496-O	295
C496-R	295
C496Y	184
C496-Y	295
C497	128
C497-0	128
C497-R	128
C497-Y	128
C498	128
C498-O	128
C498-R	128
C498-Y	128
C499	289A
C499R	289A
C499-R(FA-1)	289A
C499-RY	289A
C499Y	289A
C499-Y(FA-1)	289A
C500	154
C500R	154
C500Y	154
C501(Transistor)	128
C502	195A
C502(Japan)	195A
C503	128
C503GR	128
C503-O	128
C503-Y	128
C504	128
C504GR	128
C504-O	128
C504-Y	128
C505	154
C-505	177
C505-O	154
C505-R	154
C506	154
C506-O	154
C506-R	154
C507	154
C507-O	154
C507-R	154
C507-Y	154
C508	384
C509	289A
C509(0)	289A
C509(Transistor)	289A
C509G	289A
C509Q	289A
C509Y	289A
C510	324
C510-O	324
C510-R	324
C511	324
C512	324
C512-O	324
C512-R	324
C513	324
C513-O	324
C513R	324
C514	124
C515	124
C515A	124
C515A(BK)	124
C515AX	124
C515Y	124
C516	128
C516A	128
C517	237
C517C	237
C519	87
C519A	87
C520	87
C520A	87
C521	87
C521A	87
C522	427/282§
C522-0	225
C522-R	225
C523	427/282§
C523-0	427/282§
C523-R	225
C524	427/282§
C524-0	225
C524-R	225
C525	237
C525-O	225
C525-R	237
C526	154
C529	85
C529A	85
C535	107
C535(B)	107
C535A	107
C535-B	107
C535B	107
C535C	107
C535G	107
C536	85
C536B	85
C536C	85
C536D	85
C536E	85
C536F	85
C536FPD	289A
C536FPE	289A
C536FPF	199
C536FPG	199
C536FPH	199
C536FS	199
C536G	199
C536H	199
C536K	199
C536K(Trans)	85
C536KD(Trans)	289A
C536KE(Trans)	289A
C536KF	199
C536KG(Trans)	199
C536KNP	199
C536KNPD	289A
C536KNPE	289A
C536KNPF	289A
C536NP	85
C536NPD	289A
C536NPE	289A
C536NPF	289A
C536SP	199
C536SPA(Trans)	2361
C536SPAD(Trans)	2361
C536SPAE(Trans)	2361
C536SPAF(Trans)	2361
C536SPD	289A
C536SPE	289A
C536SPF	289A
C536Y(Trans)	85
C537	289A
C537-01	289A
C537(F)	199
C537(G)	199
C537A	199
C537B	289A
C537C	289A
C537-C7	289A
C537D	289A
C537D2	289A
C537E	289A
C537EF	289A
C537EH	289A
C537EJ	289A
C537EK	289A
C537F	289A
C537F1	289A
C537F2	289A
C537FC	289A
C537FD	289A
C537FV	199
C537G	199
C537GF	123A
C537GI	199
C537H	199
C537HT	199
C537W	199
C538	123A
C538A	123A
C538AQ	123A
C538P	123A
C538Q	123A
C538R	123A
C538S	123A
C538T	123A
C539	123A
C539K	123A
C539L	123A
C539P	123A
C539Q	123A
C539R	123A
C539S	123A
C540	313
C544	107
C544C	107
C544D	107
C544E	107
C545	107
C545A	107
C545B	107
C545C	107
C545D	107
C545E	107
C547	311◆
C547C(CBE)	199
C548(CBE-Europe)	123AP
C548A(Europe)	123AP
C548C(CBE-Europe)	123AP
C554(IC)	1142
C-554(IC)	1142
C-554C(IC)	1142
C554C(IC)	1142
C555	311
C555(IC)	703
C555A(IC)	703
C-555A(IC)	703
C555AB(IC)	703
C555C(IC)	703
C-555C(IC)	703
C555H(IC)	1092
C557(CBE-Europe)	159
C558	389
C558(CBE-Europe)	159
C558(IC)	1051
C558B(CBE)	159
C558C	1051
C558C(IC)	1051
C560	128
C561	108
C561(IC)	1079
C561C(IC)	1079
C562	161
C562(IC)	1050
C562C1(IC)	1050
C562C(IC)	1050
C562O	161
C562Y	161
C563	161
C563(IC)	1081A*
C563A	161
C563A(3rd IF)	233
C563H1D369(IC)	1081A*
C563H2(IC)	1081A*
C563H(IC)	1081A*
C564	123A
C564(IC)	1088
C564A	123A
C564C(IC)	1088
C564P	123A
C564Q	123A
C564R	123A
C564S	123A
C564T	123A
C565	123A
C566	316◆
C566(IC)	1052
C566H2(IC)	1052
C566H(IC)	1052
C566H-L	1052
C566H-M	1052
C566H-N	1052
C567	316
C568	316
C570(IC)	1086*
C570C(IC)	1086*
C571	346
C571(IC)	1078§
C571C(IC)	1078§
C571H(IC)	1638
C573	476
C573(IC)	1184
C573C(IC)	1184
C573R	476
C574J(DIODE)	615A
C574J(IC)	615A
C575(IC)	1140
C575C2	1140*
C575C2(IC)	1140
C575C(IC)	1140
C576(IC)	1185
C576H	1185
C576H(IC)	1185
C577(IC)	1082
C577A	1082
C577H	1082
C577H(IC)	1082
C577N	1082
C578	123
C580	128
C580(IC)	1196
C580C(IC)	1196
C582	124
C582A	124
C582B	124
C582BC	124
C582BX	124
C582BY	124
C582C	124
C583	316
C583C	316
C586	280
C587	123A
C587A	123A
C587B	123A
C587C	123A
C588	123A
C589	154
C590	154
C590Y	289A
C592(IC)	1195
C592A2	1195
C592H2	1195
C592H2(IC)	1195
C592H(IC)	1195
C593	123A
C594	123A
C595	123A
C595(IC)	1186
C595C2	1186
C595C(IC)	1186
C596	1187
C596(IC)	1187
C596(TRANSISTOR)	123A
C596C	1187
C596C(IC)	1187
C597	4016B
C601	311
C602	161
C602E	123A
C605	313
C605(B)(Trans)	313
C605(B)K(Trans)	313
C605(NEC)	313
C605(Q)	313
C605K	313
C605L	313
C605M	313
C605Q	313
C605TW	313
C606	313
C606(B)(Trans)	313
C606(B)K(Trans)	313
C606(NEC)	313
C606A	313
C608	237
C608E	237
C608T	237
C609	237
C609(Transistor)	237
C609F	237
C609F(Transistor)	237
C609T	237
C609T(Transistor)	237
C611	316
C611(Transistor)	108
C612	316
C614	195A
C614D	195A
C614E	195A
C614F	195A
C614G	195A
C615	195A
C615A	195A
C615B	195A

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
C615C	195A
C615D	195A
C615E	195A
C615F	195A
C615G	195A
C618	161
C618A	161
C619(BCE)	85
C619B(BCE)	85
C619C(BCE)	85
C619D(BCE)	85
C619E(BCE)	85
C620(BCE)	85
C620B(BCE)	85
C620C(BCE)	85
C620CD(BCE)	85
C620D(BCE)	85
C620DE(BCE)	85
C620E(BCE)	85
C620M(BCE)	85
C620MC(BCE)	85
C620MD(BCE)	85
C620ME(BCE)	85
C620R(BCE)	85
C621	85
C622	123A
C627	154
C627F	154
C627FA	154
C627FB	154
C628	311
C629	107
C631	85
C631A	85
C632	85
C632A	85
C633	85
C633-7	85
C633A	85
C633G	85
C633H	85
C634	85
C634A	85
C635A	124
C636	187
C637(Europe)	382
C638	476
C640	313
C640B	313
C641	85
C641B	85
C641C	107
C641K	85
C641KB	85
C641KC	85
C642	164
C642A	164
C643	389
C643A	238
C643A-4A	389
C644	199
C644C	199
C644F	199
C644F/494	199
C644FR	199
C644FS	199
C644H	199
C644HR	199
C644HS	199
C644P	199
C644PJ	199
C644Q	199
C644QRS	199
C644R	199
C644RF	199
C644RST	199
C644S	199
C644S/494	199
C644T	199
C645(Trans)	107◆
C645A(Trans)	107◆
C645C(Trans)	107◆
C646	328
C647	328
C647P	328
C647Q	328
C647R	328
C648	123A
C648H	123A
C649	123A
C649A	123A
C649B	123A
C650	123A
C650A	123A
C650B	123A
C651	278
C652	311
C653	316
C654	311
C657	107
C658	107
C658A	107
C659	107
C662	108
C663	161
C664	130
C664B	130
C664C	130
C665	87
C665H	87
C665HA	87
C665HB	87
C668	229
C668-0	107
C668A	107
C668B	107
C668B1	107
C668BC2	107
C668C	107
C668C1	107
C668CD	107
C668CE	107
C668D	107
C668D0	107
C668D1	107
C668DE	107
C668DO	107
C668DV	107
C668DX	107
C668DZ	107
C668E	107
C668E1	107
C668E2	107
C668EP	107
C668EV	107
C668EX	107
C668F	107
C668SP	107
C669(Trans)	2347
C669A(Trans)	2347
C670	124
C673	234
C673C2	159
C673D	159
C674	107
C674(Japan)	107
C674B	107
C674C	107
C674CV	107
C674D	107
C674E	107
C674F	107
C674G	107
C675	87
C677	87
C680	286
C680A	286
C680R	286
C681	283
C681(HORZ)	163A
C681A	283
C681ARD	283
C681AYL	283
C681B	283
C681L(Trans)	283
C681Y(Trans)	283
C681YL	283
C682	161
C682A	161
C682B	161
C683	161
C683A	161
C683B	161
C683P	161
C683Q	161
C683R	161
C683V	161
C684	107
C684(JAPAN)	108
C684A	107
C684A(JAPAN)	108
C684B	107
C684BK	107
C684F	107
C684R	107
C685	124
C685(0)	124
C685(FET)	456
C685A	124
C685A(FET)	456
C685B	124
C685GU	124
C685H	124
C685HA	124
C685HB	124
C685P	124
C685S	124
C685Y	124
C686	154
C686-248-0	159
C687	280
C690	359◆
C690A	359◆
C693	199
C693(Japan)	199
C693A	199
C693B	199
C693C	199
C693D	199
C693E	199
C693E(Japan)	199
C693EB	199
C693ET	199
C693F	199
C693FC	199
C693FL	199
C693FU	199
C693G	199
C693G(Japan)	199
C693GL	199
C693GS	199
C693GU	199
C693GZ	199
C693H	199
C693S	199
C693SF	199
C693SG	199
C693SH	199
C694	199
C694D	123A
C694E	199
C694F	199
C694G	199
C694Z	199
C695	313
C696	128
C696(D)	128
C696A	128
C696AB	128
C696AD	128
C696AE	128
C696AF	128
C696AH	128
C696AJ	128
C696B	128
C696D	128
C696E	128
C696F	128
C696G	128
C696H	128
C696I	128
C696J	128
C697(Trans)	2347/427
C697A(Trans)	2347/427
C697AB(Trans)	2347/427
C697AD(Trans)	2347/427
C697AE(Trans)	2347/427
C697AF(Trans)	2347/427
C697AH(Trans)	2347/427
C697Ai(Trans)	2347/427
C697AJ(Trans)	2347/427
C697E(Trans)	2347/427
C697F(Trans)	2347/427
C697H(Trans)	2347/427
C697I(Trans)	2347/427
C697J(Trans)	2347/427
C701(Transistor)	123
C702	123
C705	107
C705B	107
C705C	107
C705D	107
C705E	107
C705F	107
C705TV	107
C707	316
C707H	316
C708	128
C708A	128
C708AA	128
C708AB	128
C708AC	128
C708AH	128
C708AHA	128
C708AHB	128
C708AHC	128
C708B	128
C708C	128
C709	85
C709B	85
C709C	85
C709CD	85
C709D	85
C710-0(BCE)	85
C710-1(BCE)	85
C710-2(BCE)	85
C710-3(BCE)	85
C710-4(BCE)	85
C710-13(BCE)	85
C710-14	107
C710-14(BCE)	85
C710-15(BCE)	85
C710(B)(BCE)	85
C710(BCE)	85
C710(C)(BCE)	85
C710(D)(BCE)	85
C710B2(BCE)	85
C710B(BCE)	85
C710BC(BCE)	85
C710C(BCE)	85
C710CD(BCE)	85
C710D(BCE)	85
C710DE(BCE)	85
C710E	107
C710E(BCE)	85
C710F(BCE)	85
C710P(BCE)	85
C710R(BCE)	85
C710S(BCE)	85
C711(BCE)	85
C711(E)(BCE)	199
C711A	85
C711A(BCE)	199
C711AD(BCE)	85
C711AE(BCE)	85
C711AF(BCE)	85
C711AG(BCE)	199
C711AH(BCE)	199
C711C(BCE)	85
C711D(BCE)	85
C711E(BCE)	85
C711F(BCE)	85
C711G(BCE)	199
C711H(BCE)	199
C712(BCE)	85
C712A	123A
C712A(BCE)	85
C712B(BCE)	85
C712BC(BCE)	85
C712C(BCE)	85
C712-CD(BCE)	85
C712D(BCE)	85
C712DE(BCE)	85
C712E(BCE)	85
C712-O(BCE)	85
C712W(BCE)	85
C713(BCE)	85
C713B(BCE)	85
C713C(BCE)	85
C713D(BCE)	85
C713E(BCE)	85
C713M(BCE)	85
C713MC(BCE)	85
C713MD(BCE)	85
C713ME(BCE)	85
C713W(BCE)	85
C714(BCE)	289A
C714B(BCE)	289A
C714C(BCE)	289A
C714D(BCE)	289A
C715	85
C715(Japan)	199
C715A	85
C715B	85
C715C	85
C715D	85
C715E	85
C715EJ	85
C715EV	85
C715F	85
C715S	85
C715SC	85
C715SD	85
C715SE	85
C715SF	85
C715XL	85
C716	289A
C716B	289A
C716C	289A
C716D	289A
C716E	289A
C716F	289A
C717	107
C717(Final IF)	107
C717B	107
C717BK	107
C717BLK	107
C717C	107
C717E	107
C717M(Trans)	107
C717TM	161
C720	161
C722	107
C722F	107
C723	107
C723F	107
C724	289A
C724B	289A
C724G	289A
C724V	289A
C724Y	289A
C725	289A
C725B	289A
C725G	289A
C725-O	289A
C725V	289A
C725Y	289A
C727	287
C727A	287
C727B	287
C728	287
C728A	287
C728B	287
C730	487
C731	311
C732	199
C732-0	199
C732B	199
C732BL	199
C732GR	199
C732S	199
C732TM	199◆
C732V	199
C732Y	199
C733	199
C733-0	199
C733BL	199
C733GR	199
C733-O	199
C733R	199
C733V	199
C733Y	199
C733-Y	199
C734	289A
C734-0	289A
C734GR	289A
C734O	289A
C734-O	289A
C734-R	289A
C734-Y	289A
C734Y	289A
C735	289A
C735-0	289A
C735(FA-3)	108
C735(O)	289A
C735B	289A
C735F	289A
C735FA3	289A
C735G	289A
C735GR	289A
C735H	289A
C735J	289A
C735K	289A
C735L	289A
C735-O	289A
C735-R	123A
C735-Y	289A
C735Y	289A
C736	87
C738(BCE)	107
C738A(BCE)	107
C738B(BCE)	107
C738C(BCE)	107
C738D(BCE)	107
C739(BCE)	107
C739A(BCE)	107
C739B(BCE)	107
C739C(BCE)	107
C739D(BCE)	107
C740	108
C741	486
C744	128
C752	85
C752G	85
C752G-O	85
C752G-R	85
C752G-TM-Y	85
C752GTM-Y(Trans)	85
C752G-Y	85
C752O	85
C752R	85
C752TM-Y(Trans)	85
C752TM-YFA(Trans)	85
C752Y	85
C756	282§
C756-1	282§
C756-1-1	282§
C756-1-2	282§
C756-1-3	282§
C756-1-4	282§
C756-2	282§
C756-2-1	282§
C756-2-2	282§
C756-2-3	282§
C756-2-4	282§
C756-2-5	282§
C756-3	282§
C756-3-1	282§
C756-3-2	282§
C756-3-3	282§
C756-3-4	282§
C756-4	282§
C756-4-1	282§
C756-4-2	282§
C756-4-3	282§
C756-4-4	282§
C756-5	282§
C756A	282§
C756A-1	282§
C756A-2	282§
C756A-3	282§
C756A-4	282§
C756C	282§
C756D	282§
C756E	282§
C756H	282§
C756S	282§
C756S-2	282§
C756S-2-1	282§
C756S-2-2	282§
C756S-2-3	282§
C756S-2-4	282§
C756S-3	282§
C756S-3-1	282§
C756S-3-2	282§
C756S-3-3	282§
C756S-3-4	282§
C756S-4	282§
C756S-4-1	282§
C756S-4-2	282§
C761	161
C761Y	161
C761Z	161
C762	161
C762P	161
C763-0(BCE)	107
C763(BCE)	107
C763(C)(BCE)	107
C763A(BCE)	107
C763B(BCE)	107
C763C(BCE)	107
C763CD(BCE)	107
C763-O(BCE)	107
C763R(BCE)	107
C763S(BCE)	107
C763T(BCE)	107
C764	312
C768	328
C771(Trans)	283
C772(ECB)	229
C772B(ECB)	229
C772BG(ECB)	229
C772BH(ECB)	229
C772BV(ECB)	229
C772BX(ECB)	229
C772BY(ECB)	229
C772C1(ECB)	229
C772C2(ECB)	229
C772C(ECB)	229
C772CA(ECB)	229
C772CK(ECB)	229
C772CL(ECB)	229
C772CS	229
C772CU(ECB)	229
C772CV(ECB)	229
C772CX(ECB)	229
C772D(ECB)	229
C772DU(ECB)	229
C772DV(ECB)	229
C772DX(ECB)	229
C772DY(ECB)	229
C772E(ECB)	229
C772F(ECB)	229
C772K(ECB)	229
C772KB(ECB)	229
C772KC(ECB)	229
C772KD1(ECB)	229
C772KD2(ECB)	229
C772KD(ECB)	229
C772R(ECB)	229
C772R(Japan)	229
C772RB-D(ECB)	229
C772RD(ECB)	229
C773(BCE)	289A
C773C(BCE)	289A
C773D(BCE)	289A
C773E(BCE)	289A
C774	128
C775	128
C776	195A
C776(Y)	195A
C776Y	195A
C777	237
C778	237
C778B	237
C778D	237
C779	286
C779-0	286
C779-R	286
C779-y	286
C780	194
C780AG	194
C780AG-O	194
C780AG-R	194
C780AG-Y	194
C780G	194
C780-O	194
C781	128
C782	286
C782-O	286
C782-R	286
C782-Y	286
C783	286
C783-O	286
C783-R	286
C783Y	286
C784-Y	286
C784-0(ECB)	229
C784(ECB)	229
C784A(ECB)	229
C784BN(ECB)	229
C784-O(ECB)	229
C784O(ECB)	229
C784R/4454C(ECB)	229
C784R(ECB)	229
C784Y(ECB)	229
C785	199
C785-0(ECB)	229
C785(0)	229
C785BN	229
C785D	229
C785E	229
C785R	229
C785TM-0(ECB)	229
C786	161
C786-0	161
C786-O	161
C786R	161
C787	161
C788	154
C789	152
C789-0	152
C789-O	152
C789-R	152
C789Y	152
C789-Y	152
C790-O	152
C790Y	152
C791	175
C792	94
C792/FA-3	162
C793	130
C793BL	130
C793R	130
C793Y	130
C794R	130
C795	124
C795A	124
C796	123A
C797	128
C798	195A
C799	237
C799K	237
C802	128
C803	195A
C804H	313
C805	154
C806	283
C806A	283
C807	385
C807A	385
C808	388
C808A	388
C808B	388
C808C	388
C809	316
C810	311
C811	161
C814	192A§
C814-O	192A§
C814-Y	192A§
C815	289A
C815(Korea)	123AP
C815(M)	289A
C815A	289A
C815B	289A
C815C	289A
C815F	289A
C815G(Korea)	123AP
C815K	289A
C815L	289A
C815M	289A
C815-O	289A
C815-O(Korea)	123AP
C815P	289A
C815R(Korea)	123AP
C815S	289A
C815SA	289A
C815SC	289A
C815-Y	289A
C815Y	289A
C815Y(Korea)	123AP
C816	128
C816K	128
C817	161
C817B	161
C817C	161
C817D	161
C818	154
C821	346
C822	346
C823(ECB)	278
C824	278◆
C825	286
C825A	286
C825B	286
C825C	286
C826	128
C827	128
C827A	128
C827B	128
C827C	128
C828	85
C828A	85
C828AF	85
C828AP	85
C828AQ	85
C828AR	85
C828AS	85
C828AT	85
C828B	85
C828C	85
C828E	85
C828F	85
C828FR	85
C828H	85
C828HR	85
C828K	85
C828LR	85
C828LS	85
C828N	85
C828-O	85
C828O	85
C828-OP	85
C828P	85
C828-P	85
C828PQ	85
C828-Q	85
C828Q	85
C828QRS	85
C828-R	85
C828R	85
C828R/494	199
C828RS	85
C828RST	85
C828RT	85
C828S	85
C828ST	85
C828T	85
C828W	85
C828Y	85
C829	85
C829A	85
C829B	85
C829B/4454C	85
C829BC	85
C829BY	85
C829C	107
C829C(ECB)	123AP
C829D	85
C829F	85
C829P	85
C829Q	85
C829R	85
C829S	85
C829X	85
C829Y	85
C830	175
C830-0	175
C830A	175
C830B	175
C830BKB	175
C830C	175
C830HA	175
C830HB	175
C830HC	175
C832C(IC)	889M
C833	384
C833BL	384
C835	107
C836M	107
C837	107
C837F	107
C837H	107
C837K	107
C837L	107
C837WF	107
C838	289A
C838(H)	289A
C838(J)	289A
C838(K)	289A
C838(Korea)	123AP
C838(L)	289A
C838(M)	289A
C838A	289A
C838B	289A
C838C	289A
C838D	289A
C838E	289A
C838F	289A
C838H	289A
C838J	289A
C838K	289A
C838L	289A
C838M	289A
C838-O(Korea)	123AP
C838R	289A
C838R(Korea)	123AP
C838S	289A
C838W	289A
C838Y(Korea)	123AP
C839	85
C839(H)	85
C839(J)	85
C839(L)	85
C839(M)	85
C839A	85
C839B	85
C839C	85
C839D	85
C839E	85
C839F	85
C839H	85
c839H	199
C839J	85
C839K	85
C839L	85
C839M	85
C839N	85
C839Q	85
C839R	85
C839S	85
C839Y	85
C840	175
C840A	175
C840AC	175
C840H	175
C840HP	175
C840PQ	175
C844	311
C845	311
C847	123A
C847A	123A
C847B	123A
C847C	123A
C848	123A
C848A	123A
C848B	123A
C848C	123A
C849	123A
C849A	123A
C849B	123A
C849C	123A
C850	123A
C850A	123A
C850B	123A
C850C	123A
C852	311
C853	192A§
C853(Korea)	123AP
C853A	192A§
C853B	192A§
C853C	192A§
C853G(Korea)	123AP
C853K	199
C853KLM	192A§
C853L	192A§
C853-O(Korea)	123AP
C853R(Korea)	123AP
C853Y(Korea)	123AP
C854	311
C855	311
C856	154
C856-02	154
C856C	154
C857	154
C857H	154
C858	199
C858C	1198
C858E	199
C858F	199
C858FG	199
C858G	199
C859	199
C859E	199
C859F	199

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C859FG	199
C859G	199
C859GK	199
C860	161
C860C	161
C860D	161
C860E	161
C863	161
C863D	161
C864	161
C866	237
C867	277§
C867A	277§
C867B	369
C868(BCE)	194
C869(BCE)	194
C869B(BCE)	194
C869C(BCE)	194
C869D(BCE)	194
C870	85
C870BL	85
C870C	85
C870D(BCE)	123AP
C870E	85
C870F	85
C871	85
C871BL	85
C871D	85
C871D(BCE)	123AP
C871E	85
C871F	85
C871G	85
C872M	311
C875	128
C875-1	128
C875-1C	128
C875-1D	128
C875-1E	128
C875-1F	128
C875-2	128
C875-2C	128
C875-2D	128
C875-2E	128
C875-2F	128
C875-3	128
C875-3C	128
C875-3D	128
C875-3E	128
C875-3F	128
C875BR	128
C875C	128
C875D	128
C875E	128
C875F	128
C875S	128
C875SC	128
C875SD	128
C875SE	128
C876	128
C876C	128
C876D	128
C876E	128
C876F	128
C876S	128
C876SC	128
C876SD	128
C876SE	128
C876TV	128
C876TVD	128
C876TVE	128
C876TVEF	128
C881	192A§
C881A	192A§
C881B	192A§
C881C	192A§
C881D	192A§
C881K	192A§
C881L	192A§
C881M	192A§
C889	130
C890	487
C891	363◆
C892	364◆
C893(Trans)	2347/427
C894	289A
C895	35§
C896	123A
C897	280
C897A	280
C897B	280
C897C	280
C898	280
C898A	280
C898B	280
C898C	280
C899	123A
C899K	123A
C900	199
C900(F)	199
C900(Korea)	123AP
C900(L)	199
C900A	199
C900AF	199
C900B	199
C900C	199
C900D	199
C900E	199
C900EF	199
C900EU	199
C900F	199
C900L	199
C900M	199
C900U	199
C900UE	199
C900U/E	199
C900V	199
C900VE	199
C900Y(Korea)	123AP
C901	163A
C901A	163A
C902	284
C903	289A
C903D	229
C906	123A
C906A	123A
C906B	123A
C906C	123A
C907	123A
C907A	123A
C907AC	123A
C907AD	123A
C907AH	123A
C907C	123A
C907D	123A
C907H	123A
C907HA	123A
C907HB	123A
C907HC	123A
C907HD	123A
C908	479
C912	85
C913	123A◆
C914	123A◆
C915	123A◆
C915A	123A◆
C915AQ	123A◆
C915Q	123A◆
C915R	123A◆
C917	383
C917K	161
C918	161
C918A	161
C921(Korea)	123AP
C921-O(Korea)	123AP
C921R(Korea)	123AP
C921Y(Korea)	123AP
C922	107
C922A	107
C922B	107
C922C	107
C922K	107
C922L	107
C922M	107
C923	199
C923A	199
C923B	199
C923C	199
C923D	199
C923E(Trans)	199
C923F	199
C923K(Trans)	199
C923P(Trans)	199
C923Q	199
C923R(Trans)	199
C923U	199
C924	107
C924E	107
C924F	107
C924M	107
C925(ECB)	123AP
C926	399
C926A	399
C926A(ECB)	287
C926AE	399
C926AE(ECB)	287
C927	161
C927A	161
C927B	161
C927C	161
C927CJ	161
C927CU	161
C927CW	161
C927D	161
C927DD	161
C927E	161
C928	161
C928B	161
C928C	161
C928D	161
C928E	161
C929	107
C929-0	107
C929B	107
C929C	107
C929C1	107
C929D	107
C929D1	107
C929DE	107
C929DP	107
C929DU	107
C929DV	107
C929E	107
C929ED	107
C929F	107
C929FK	107
C929H	107
C929NPC	107
C929NPD	107
C929NPE	107
C929NPF	107
C929SP	107
C929SPC	107
C929SPD	107
C929SPE	107
C929SPF	107
C930	107
C930B	107
C930BK	107
C930BV	107
C930C	107
C930CD	107
C930C-IF	107
C930CK	107
C930CL	107
C930CS	107
C930D	107
C930D1	107
C930D2	107
C930DE	107
C930DH	107
C930DS	107
C930DT	107
C930DT-2	107
C930DX	107
C930DZ	107
C930E	107
C930EP	107
C930ET	107
C930EV	107
C930EX	107
C930F	107
C930J	107
C930L	107
C930NP	107
C930NPC	107
C930NPD	107
C930NPE	107
C930NPF	107
C930SP	107
C930SPC	107
C930SPD	107
C930SPE	107
C930SPF	107
C933	289A
C933BB	289A
C933C	289A
C933D	289A
C933E	289A
C933F	289A
C933FP	289A
C933FPC	289A
C933FPD	289A
C933FPE	289A
C933FPF	289A
C933SRX(Trans)	290A
C934	128
C934(rectifier)	5809
C934(Transistor)	123A
C934C	123A
C934D	123A
C934E	123A
C934F	123A
C934G	123A
C934P	123A
C935	162
C936	164
C936A	164
C937	389
C937-01	389
C937(BK)	389
C937(YL)	389
C937A	389
C937B	389
C937YL	389
C938	289A
C938A	289A
C938B	289A
C938C	289A
C939	328
C939D	328
C939L	328
C940	283
C940L	283
C940M	283
C940N	283
C940P	283
C940Q	283
C940-QR	283
C940R	283
C941	289A
C941-0	289A
C941-0Y	289A
C941-O	289A
C941R	289A
C941-R	289A
C941TM	289A
C941TM-0	289A
C941-TM(MID)	289A
C941Y	289A
C941-Y	289A
C941YO	289A
C942H2	1195
C943	123A
C943A	123A
C943B	123A
C943C	123A
C944	85
C944A	85
C944B	85
C944C	85
C944D	85
C944K	85
C944P	85
C944Q	85
C944R	85
C944S	85
C945	85
C945(Korea)	123AP
C945(R)	85
C945A	85
C945A/0	85
C945A/D	85
C945AK	85
C945AO	85
C945A/P	85
C945AP	85
C945A-PA(Trans)	85
C945AQ	85
C945AR	85
C945B	85
C945C	85
C945CK	85
C945D	85
C945E	85
C945F	85
C945G	85
C945G(Korea)	123AP
C945H	85
C945K	85
C945L	85
C945LK	85
C945LP	85
C945LPQ	85
C945LQ	85
C945LR(Trans)	85
C945M	85
C945-O	85
C945O	85
C945-O(Korea)	123AP
C945P	85
C945P1	85
C945P2	85
C945P/O	85
C945PO	85
C945PQ	85
C945P/Q	85
C945-Q	85
C945Q	85
C945QA	85
C945QL	85
C945QP	85
C945QR	85
C945-R	85
C945R	85
C945RQ	85
C945S	85
C945T	85
C945TK	85
C945TP	85
C945TQ	85
C945TR	85
C945U	85
C945X	85
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C945Z	85
C947	161
C948	161
C953	85
C953K	85
C957	319P
C959	396
C959A	128
C959B	128
C959C	128
C959D	128
C959M	128
C959S	128
C959SA	128
C959SB	128
C959SC	128
C959SD	128
C960	427/128
C960-0	123A
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C960A	427/128
C960B	427/128
C960C	427/128
C960D	427/128
C960K	427/128
C960L	427/128
C960M	427/128
C960N	427/128
C960S	427/128
C960SA	427/128
C960SB	427/128
C960SC	427/128
C960SD	427/128
C963	123A
C964	123A
C965	123A
C966	123A
C967	123A
C968	123A
C968P	123A
C971(EBC)	293◆
C972	128
C972C	128
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C972E	128
C973A	363◆
C975A	364◆
C979	123A
C979-O	123A
C979-R	123A
C979-Y	123A
C980	85
C980AG	85
C980AGO	85
C980AGY	85
C980G	85
C980GO	85
C980GY	85
C980O	85
C980Y	85
C982	172A
C983	399
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C983FA-1(ECB)	287
C983-O(ECB)	287
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C984	128
C984A	128
C984B	128
C984C	128
C984H	128
C984HA	128
C984HB	128
C984HC	128
C991	311
C992	311
C993	123A
C993A	123A
C994	486
C994K	85
C995	154
C996	427/154
C997	161
C998	487
C998BY	487
C999	389
C999A	389
C1000	199
C1000BL	199
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C1006C(EBC)	199
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C1008(IC)	1172
C1008(Korea)	128P
C1008A	128
C1008C(IC)	1172
C1008-O(Korea)	128P
C1008R(Korea)	128P
C1008Y(Korea)	128P
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C1009A(Trans)	2408
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C1009AFA4(Trans)	2408
C1009F1(Trans)	2408
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C1010A(EBC)	199
C1010B(EBC)	199
C1010C(EBC)	199
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C1012A	154
C1013	300
C1013B	300
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C1014	300
C1014B	300
C1014C	300
C1014C1	300
C1014CD	300
C1014D	300
C1014D1	300
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C1026	107
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C1030A	87
C1030B	87
C1030C	87
C1030D	87
C1030H(IC)	1194§
C1030P	280
C1031	286
C1031H	1245
C1032	107
C1032G	107
C1032H	1170
C1032P	9932
C1032Y	107
C1033	287
C1033A	287
C1033P	9933
C1034(TRANS)	35§
C1034A(TRANS)	35§
C1035	161
C1035C	161
C1035D	161
C1035E	161
C1035P	9935
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C1036P	9936
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C1044	161
C1044P	9944
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C1045D	164
C1045E	164
C1045P	9945
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C1046	165
C1046P	9946
C1047	107
C1047B	107
C1047BC	107
C1047BCD	107
C1047BD	107
C1047C	107
C1047-C(Trans)	107
C1047CD	229
C1047D	107
C1047E	107
C1048	154
C1048B	154
C1048C	154
C1048D	154
C1048E	154
C1048F	154
C1050	94
C1050C	94
C1050D	94
C1050E	94
C1050F	94
C1051	280
C1051C	280
C1051D	280
C1051E	280
C1051F	280
C1051LC	280
C1051LD	280
C1051LE	280
C1051LF	280
C1052	128
C1052P	9099
C1053	128
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C1054	161
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C1057P	9157
C1058P	9158
C1059	124
C1060	152
C1060A	152
C1060B	152
C1060BM	152
C1060C	152
C1060D	152
C1061	152
C1061A	152
C1061B	152
C1061C	152
C1061D	152
C1061K	152
C1061T	152
C1061TB	152
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C1062KA	396
C1062KB	396
C1062KC	396
C1062KD	396
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C1068	278
C1071	123A
C1072(Korea)	123AP
C1072(Trans)	128
C1072A(Trans)	128
C1072-O(Korea)	123AP
C1072R(Korea)	123AP
C1072Y(Korea)	123AP
C1074	363◆
C1075	364◆
C1076	365◆
C1078	369
C1079	280
C1079R	280
C1079Y	280
C1080	280
C1080R	280
C1080Y	280
C1083	346
C1085	123A
C1086	389
C1086M	389
C1089	375
C1089B	375
C1089BD	375
C1089C	375
C1089D	375
C1093/3ZL	165
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C1096(3ZL)	186A
C1096(Korea)	186A
C1096(M)	186A
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C1096C	186A
C1096D	186A
C1096E	186A
C1096K	186A
C1096L	186A
C1096LM	186A
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C1096N	186A
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C1098(Korea)	186
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C1098B	186
C1098C	186A
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C1098K	186
C1098L	186
C1098M	186
C1098-O	186
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C1101	164
C1101A	164
C1101B	164
C1101C	164
C1101D	164
C1101E	164
C1101F	164
C1101L	164
C1102	124
C1102(M)	124
C1102A	124
C1102B	124
C1102C	124
C1102K	124
C1102L	124
C1102M	124
C1103	154
C1103(A)	154
C1103A	154
C1103B	154
C1103C	154
C1103L	154
C1104	286
C1104A	286
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C1105B	124
C1105C	124
C1105K	124
C1105L	124
C1105M	124
C1106	94
C1106A	94
C1106B	94
C1106C	94
C1106K	94
C1106L	94
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C1110	87
C1111	87
C1112	87
C1113	384
C1114	283
C1115	280
C1116	284
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C1116A	284
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C1124E	190
C1124JA	190
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C1141	386
C1142	283
C1143	283
C1150	128
C1151	164
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C1152	162
C1152F	162
C1152G	162
C1153	389
C1153A	389
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C1154H	1194§
C1155(IC)	1194§
C1155H(IC)	1194§
C1155H(NEC)	1194§
C1156(IC)	1194§
C1156(TRANSISTOR)	190
C1156H	1194§
C1156H2(IC)	1194§
C1156H(IC)	1194§
C1157	190
C1158	313◆
C1158HA2(IC)	1497
C1159	313◆
C1160	175
C1160K	175
C1160L	175
C1161	175
C1162(Trans)	184◆
C1162B	184◆
C1162C	184◆
C1165	311
C1165RG	486
C1166	289A
C1166-0	289A
C1166D	289A
C1166GR	289A
C1166O	289A
C1166-O	289A
C1166R	289A
C1166X	289A
C1166-Y	289A
C1166Y	289A
C1167	389
C1168	124
C1168X	124
C1169	427/488
C1170	389
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C1170B	389
C1170B/FA-2	389
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C1172	238
C1172A	238
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C1173A	152
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C1173L	152
C1173M	152
C1173-O	152
C1173R	152
C1173-R	152
C1173X	152
C1173X0	152
C1173Y	152
C1173-Y	152
C1173Y(Audio)	152
C1174	389
C1175	289A
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C1175D	289A
C1175E	289A
C1175F	289A
C1176	350◆
C1176A	350◆
C1178A	351◆
C1180	161
C1181H(IC)	1285§
C1182B	161
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C1182D	161
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C1184B	164
C1184C	164
C1184D	164
C1184E	164
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C1185A	162
C1185B	162
C1185C	162
C1185H2(IC)	1293§
C1185H(IC)	1293§
C1185K	162
C1185L	162
C1185M	162
C1187	229
C1187-0	229
C1187(Korea)	108
C1187-O(Korea)	108
C1187-R	229
C1187R(Korea)	108
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C1188(Korea)	108
C1188H(IC)	1724
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C1188-O(Korea)	108
C1188R(Korea)	108
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C1205	289A
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C1209D(BCE)	85
C1209E(BCE)	85
C1210(BCE)	85
C1210C(BCE)	85
C1210D(BCE)	85
C1210E(BCE)	85
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C1212AA	373
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C1212AWT	373
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C1213AD	289A
C1213AK	289A
C1213AKA	289A
C1213AKB	289A
C1213AKC	289A
C1213AKD	289A
C1213B	289A
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C1213C	289A
C1213CD	289A
C1213D	289A
C1213D-24(Trans)	289A
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C1213G(BCE)	199
C1213H(BCE)	199
C1213-O	123AP
C1213R	123AP
C1213Y	123AP
C1213Y(BCE)	199
C1213YE(BCE)	199
C1213YG(BCE)	199
C1213YH(BCE)	199
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C1222C	199
C1222D	199
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C1226RLQ	186A
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C1235	124
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C1237HA(IC)	7100
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C1243	300
C1243-24	300
C1243C	300
C1243C1	300
C1243C2	300
C1243D	300
C1243D1	300
C1243D2	300
C1243E	300
C1244	123A
C1246	289A
C1246A	289A
C1246AB	289A
C1246AF	289A
C1246AFB	289A
C1246AFG	289A
C1246AFV	289A
C1246AG	289A
C1246AV	289A
C1246F	289A
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C1247A	289A
C1247AB	289A
C1247AF	289A
C1247AFB	289A
C1247AFG	289A
C1247AFV	289A
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C1247F	289A
C1251C(IC)	928M
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C1252H2(IC)	1794
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C1278(ECB)	194
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C1279(ECB)	287
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C1293A(Last IF)	233
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C1308(Diode)	125
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C1312(BCE)	199
C1312E(BCE)	199
C1312F(BCE)	199
C1312G(BCE)	199
C1312H(BCE)	199
C1312R(BCE)	199
C1312Y(BCE)	199
C1312YF(BCE)	199
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C1313F	199
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C1318X	289A
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C1325AK	238
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C1327FS	199
C1327R	199
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C1327XAN	199
C1327Y	199
C1328	199
C1328R	199
C1328S	199
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C1330	192A§
C1330(Korea)	123AP
C1330A	192A§
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C1330C	192A§
C1330D	192A§
C1330G(Korea)	123AP
C1330L	192A§
C1330-O(Korea)	123AP
C1330R	192A§
C1330Y(Korea)	123AP
C1332	388
C1335	289A
C1335A	199
C1335B	199
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C1335D	199
C1335E	199
C1335F	199
C1335V(IC)	7102
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C1343	280
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C1343A	280
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C1343HA	280
C1343HB	280
C1344	199
C1344C	199
C1344D	199
C1344E	199
C1344F	199
C1344KD	199
C1344KE	199
C1344KF	199
C1345	199
C1345C	199
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C1345K	199
C1346	192A§
C1346P	192A§
C1346R	192A§
C1346S	192A§
C1347	192A§
C1347P	192A§
C1347Q	192§
C1347R	192§
C1347S	192§
C1348	389
C1353C	1246
C1356(IC)	1483§
C1356C2	1483§
C1356C2(IC)	1483§
C1358	165
C1358K	165
C1358L	238
C1358M	238
C1358P	165
C1358Q	165
C1358R	165
C1359	85
C1359A	85
C1359B	85
C1359BC	85
C1359C	85
C1359D	85
C1359Q	85
C1360(Trans)	85
C1360A(Trans)	85
C1360ANC(Trans)	85
C1361	289A
C1362	123AP
C1363	289A
C1364	85
C1364-4	85
C1364-5	85
C1364-6	85
C1364-7	85
C1364A	85
C1364P	85
C1365	278◆
C1366C2(IC)	1522
C1367	164
C1367A	164
C1368B	184
C1368C	184
C1369	199
C1372	289A
C1372B	289A
C1372G	289A
C1372V	289A
C1372Y	289A
C1373HA(IC)	1714S
C1375	123A
C1375H	123A
C1376H	311
C1377	236
C1377C(IC)	1664
C1378H(IC)	1676
C1379C(IC)	1661
C1380	123A
C1380(IC)	1196
C1380A	123A
C1380AGR	123A
C1380C	1196
C1380C(IC)	1196
C1380GR	123A
C1382	373
C1382-0	373
C1382C(IC)	1616
C1382-O	373
C1382Y	373
C1383	293
C1383B	293
C1383C	293
C1383NC	293
C1383NCP	293
C1383NCPQR	293
C1383NCQ	293
C1383NCR	293
C1383P	293
C1383PQR	293
C1383Q	293
C1383-QR(Trans)	293
C1383R	293
C1383RS	293
C1383S	293
C1383X	293
C1384	293
C1384NC	293
C1384P	293
C1384Q	293
C1384R	293
C1384RS(Trans)	293
C1384S	293
C1385H	123A◆
C1386	128
C1386C	184
C1386H	128
C1387	278
C1388	128
C1390A	107
C1390F	123A
C1390H	123A
C1390I	123A
C1390J	123A
C1390K	123A
C1390V	123A
C1390W	123A
C1390WH	123A
C1390WI	123A
C1390WX	123A
C1390WY	123A
C1390X	123A
C1390XJ	123A
C1390XK	123A
C1390YM	123A
C1391	124
C1391H(IC)	1668
C1391VL	124
C1393	229
C1393A	69
C1393A-O	69
C1393AR	69
C1393K	229
C1393L	229
C1393M	229
C1394	229
C1394A	69
C1394C(IC)	1678
C1394K	229
C1394L	229
C1394M	229
C1395	108
C1395(BEC)	107
C1395R	108
C1396	108
C1396(BEC)	107
C1396M(BEC)	107
C1396R	108
C1398	152
C1398A	196
C1398AP	196
C1398AQ	196
C1398O	152
C1398P	152
C1398Q	152
C1399U	306
C1400	90
C1400U	306
C1402	280
C1402CA(IC)	1793
C1403	87
C1403A	87
C1406(ECB)	192§
C1406HA(IC)	1792
C1406P(ECB)	192§
C1406Q(ECB)	192§
C1406R(ECB)	192§
C1406S(ECB)	192§
C1406X(ECB)	192§
C1407(ECB)	192§
C1407P(ECB)	192§
C1407Q(ECB)	192§
C1407R(ECB)	192§
C1407S(ECB)	192§
C1407X(ECB)	192§
C1409	375
C1409A	375
C1409AA	375
C1409AB	375
C1409AC	375
C1409B	375
C1409C	375
C1410	375
C1410A	375
C1410AA	375
C1410AB	375
C1410AC	375
C1410B	375
C1410C	375
C1411	123A
C1413	165
C1413A	165
C1413AH	165
C1413AV(Trans)	165
C1416	123A
C1416BL	123A
C1417	107
C1417C	107
C1417D	107
C1417D(U)	107
C1417DU	107
C1417F	107
C1417G	107
C1417H	107
C1417U	107
C1417V	107
C1417VW	107
C1417W	107
C1418	152
C1418A	152
C1418B	152
C1418C	152
C1418D	152
C1419	152
C1419A	152
C1419B	152
C1419C	152
C1419D	152
C1424	316
C1429	152
C1429-1	152
C1429-2	152
C1431	286◆
C1431-1	286◆
C1431-2	286◆
C1433	283
C1434	386
C1436	386
C1437	100
C1438(ECB)	194
C1439(ECB)	194
C1440	386
C1441	386
C1444	196
C1445	196
C1446	376
C1446B	376
C1446C	376
C1446L	376
C1446LB	376
C1446LB11	198
C1446LL	376
C1446P	376
C1446PQ	376
C1446Q	376
C1446R	376
C1447	376
C1447-0	376
C1447A	376
C1447BK	376
C1447/FA-2	376
C1447GL3	376
C1447LB	376
C1447-O	376
C1447R	376
C1448	375
C1448A	375
C1448LB	375
C1448P	375
C1448Q	375
C1448R	375
C1448S	375
C1449	184
C1449(C.B.)	295
C1449I	184◆
C1449L	184
C1449M	184
C1449N	184
C1450	286
C1450S	286
C1454	94
C1454-0	94
C1456K	124
C1458	778A
C1458C(IC)	778A
C1463	385◆
C1466	369
C1467	369◆
C1468(Trans)	53
C1469(Trans)	53
C1471AQ(Trans)	85
C1471QR(Trans)	85
C1472K	172A
C1472KA	172A
C1472KB	172A
C1473	399
C1473A(Trans)	399
C1473AE(Trans)	399
C1473AH(Trans)	399
C1473AP(Trans)	399
C1473AQ(Trans)	399
C1473AQH(Trans)	399
C1473AR(Trans)	399
C1473N(Trans)	399
C1473NC	399
C1473NCP	399
C1473NCQ	399
C1473NCQR(Trans)	399
C1473NCR	399
C1473P	399
C1473Q	399
C1473-QRNC(Trans)	399
C1473R	399
C1474HA(IC)	1791
C1475	315
C1475-1	315
C1475-2	315
C1475-3	315
C1475-4	315
C1475A	315
C1475D	315
C1475E	315
C1475H	315
C1475HE	315
C1475J	315
C1475K	315
C1477	283
C1480CA(IC)	1800
C1481CA(IC)	1801
C1485	287
C1486C(IC)	7019
C1488H(IC)	7056
C1490HA(IC)	7013
C1498HA(IC)	1767
C1501	157
C1501P	157
C1501Q	157
C1501R	157
C1504	162
C1505	198
C1505-1	198
C1505(I)	198
C1505A	198
C1505I	198
C1505K	198
C1505L	198
C1505LA	198
C1505M	198
C1506	198
C1506K	198
C1506L	198
C1506M	198
C1507	198
C1507A	198
C1507H	198
C1507I	198
C1507K	198
C1507L	198
C1507LK	198
C1507LM	198
C1507M	198
C1507-O(Trans)	198
C1507R	198
C1507Y	198
C1509	297
C1509P	297
C1509Q	297
C1509R	297
C1509S	297
C1513	278
C1513HA(IC)	1787
C1514	376
C1514-05	376
C1514-14	376
C1514-15(Trans)	376
C1514B	376
C1514BK	198
C1514BVC	376
C1514CS	375
C1514CVC	376
C1514E	376
C1514V(Trans)	376
C1514VC(TRANS)	376
C1515(ECB)	287
C1515C(ECB)	287
C1515K(ECB)	287
C1516	186A
C1516K	186A
C1516KB	186A
C1516KC	186A
C1516KD	186A
C1518	293
C1518R	293
C1518S	293
C1519	198
C1520	198
C1520-1	198
C1520-1A	198
C1520-3(Trans)	198
C1520-3A	198
C1520CA(IC)	7020
C1520E	198
C1520EK	198
C1520EX	198
C1520I	198
C1520K	198
C1520K-1	198
C1520KL	198
C1520KLE	198
C1520L	198
C1520L-1	198
C1520M	198
C1520M-1	198
C1520-O(Trans)	198
C1521	198◆
C1521K	198◆
C1521L	198
C1521LM	198
C1521M	198◆
C1522	376
C1537	199
C1537B	199
C1537-O	199
C1537S	199
C1538	199
C1538A	199
C1538S	199
C1538SA	199
C1541E	199
C1542	199
C1545	172A
C1545A(TRANS)	172A◆
C1545B(TRANS)	172A◆
C1546	172A
C1547	161
C1555C(IC)	955M
C1565	373
C1565P	373
C1565Q	373
C1565R	373
C1566	157#
C1567	373#
C1567A	373#
C1567AP	373#
C1567AQ	373#
C1567AR	373#
C1567P	373#
C1567Q	373#
C1567R	373#
C1568	373#
C1568P	373#
C1568Q	373#
C1568R	373#
C1569	376
C1569-0	198
C1569BK	376
C1569/FA-1	376
C1569-FA3	376
C1569/FA-3	376
C1569-FA4	376
C1569/FA-5	376
C1569FA-5(Trans)	376
C1569K	376
C1569L(Trans)	376
C1569LB	376
C1569LBO	376
C1569LBQ	376
C1569LBR	376
C1569LBY	376
C1569Q	376
C1569-O	376
C1569Q	376
C1569R	376
C1569-R	376
C1569Y	376
C1569-Y	376
C1570	199
C1570F(Trans)	199
C1570G	199
C1570GL	199
C1570H(Trans)	199
C1570HL	199
C1570LG	199
C1570LH	199
C1571	199
C1571F(Trans)	199
C1571FL	199
C1571G	199
C1571H	199
C1571L	199
C1571LG	199
C1571LH	199
C1573	399
C1573A	399
C1573AH(Trans)	399
C1573AP(Trans)	399
C1573AQ(Trans)	399
C1573AR(Trans)	399
C1573NC	399
C1573P	399
C1573Q	399
C1573QR(Trans)	399
C1573R(Trans)	399
C1576	283
C1577	386
C1578	386
C1579	386
C1580	386
C1583(TRANS)	42
C1583F(TRANS)	42
C1583G(TRANS)	42
C1583H(TRANS)	42
C1584	284
C1585	388
C1585F	388

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C1585H	388
C1586	388
C1588	278
C1589	474
C1589KL	474
C1610	327
C1613(ECB)	287◆
C1613N(ECB)	287◆
C1613P(ECB)	287◆
C1614(ECB)	287◆
C1614N(ECB)	287◆
C1614P(ECB)	287◆
C1615(ECB)	287◆
C1615N(ECB)	287◆
C1615P(ECB)	287◆
C1617	283
C1618	87
C1618B	87
C1618G	87
C1619	87
C1619A	87
C1620-Y	190
C1622(Trans)	2408
C1622A(Trans)	2410
C1622AD15(Trans)	2410
C1622AD16(Trans)	2410
C1622D6(Trans)	2408
C1622D7(Trans)	2408
C1623(Trans)	2408
C1623L4(Trans)	2408
C1623L5(Trans)	2408
C1623L6(Trans)	2408
C1623L7(Trans)	2408
C1624	291
C1624-O	291
C1624T	291
C1624Y	291
C1624-Y	291
C1625	291
C1625-0	291
C1625-LBGL1	291
C1625-O	291
C1625Y	291
C1625YLBGL	291
C1625YLBGL1	291
C1626	375
C1626-O	375
C1626-Y	375
C1626Y	375
C1627	289A
C1627-0	289A
C1627A	382
C1627AK(Korea)	382
C1627AO	382
C1627AY	382
C1627Y	289A
C1627-Y	289A
C1627-YFA(Trans)	289A
C1628	190
C1628-O	190
C1628-Y	190
C1629	86
C1629A	86
C1629AR(Trans)	86
C1629M	86
C1630	154
C1632	85
C1632-5	85
C1632-6	85
C1632-7	85
C1633	85
C1633-5	85
C1633-6	85
C1633-7	85
C1634	85
C1634-5	85
C1634-6	85
C1634-7	85
C1634B	85
C1634HC	85
C1634P	85
C1634Y	85
C1635	128
C1636	199
C1636E	108
C1636H	108
C1636JA	108
C1636Ja	108
C1636JG	108
C1636JK	108
C1637	199◆
C1639	123A
C1641	123A
C1641D	123A
C1641Q	123A
C1641R	108
C1642RQ(Trans)	18
C1645(TRANS)	172A
C1645A(TRANS)	172A
C1645B(TRANS)	172A
C1647	199
C1647Q	199
C1647R	199
C1647RY	199
C1648	199
C1648E	199
C1648EF	199
C1648EY	199
C1648RT	199
C1648S	199
C1648SE	199
C1648SH	199
C1649(ECB)	287
C1649N(ECB)	287
C1649P(ECB)	287
C1650(ECB)	287
C1650N(ECB)	287
C1650P(ECB)	287
C1651(ECB)	287
C1651N(ECB)	287
C1651P(ECB)	287
C1652(TRANS)	85◆
C1652(Trans)	18◆
C1652M	18
C1652MP	18
C1652MQ	18
C1652MR	18
C1652P	18◆
C1652P(TRANS)	85◆
C1652Q	18◆
C1652Q(TRANS)	85◆
C1652R	18◆
C1652RE(Trans)	18
C1652S(Trans)	18◆
C1653(Trans)	2410
C1653N2(Trans)	2410
C1653N3(Trans)	2410
C1654(Trans)	2410
C1654N5(Trans)	2410
C1654N6(Trans)	2410
C1663	190
C1663A	190
C1663H	190
C1664(TRANS)	57§
C1664A(TRANS)	57§
C1667	130
C1667Q	130
C1667R	130
C1668	351◆
C1669	375
C1669-0	375
C1669-R	375
C1669-Y	375
C1670	382◆
C1670E	382◆
C1670H	382◆
C1670Ha	382◆
C1670HM	382◆
C1670J	382◆
C1670JA	382◆
C1670JC	382◆
C1670JD	382◆
C1670JE	382◆
C1670JW	382◆
C1670K	382◆
C1670M	382◆
C1670MC	382
C1670MD	287
C1670MJ	287
C1672	327
C1674	107
C1674(Korea)	108
C1674K	107
C1674L	107
C1674M	107
C1674-M	107
C1674-O(Korea)	108
C1674R(Korea)	108
C1675	85
C1675(Korea)	123AP
C1675(L)	85
C1675B	85
C1675K	85
C1675K2	85
C1675KZ	85
C1675L	85
C1675M	85
C1675-O(Korea)	123AP
C1675R	229
C1675R(Korea)	123AP
C1675Y(Korea)	123AP
C1675Z	85
C1678	235
C1678B	235
C1678C	235
C1678D	235
C1678E	235
C1678H	235
C1678I	235
C1678J	235
C1678L	235
C1678M	235
C1678N	235
C1678-O	235
C1678T	235
C1679	236
C1681	199
C1681B	199
C1681BL	199
C1681G	199
C1681GR	199
C1681O	199
C1681O-1	199
C1681V	199
C1682	199
C1682-BL	199
C1682-GR	199
C1682V	199
C1683	375
C1683A	375
C1683B(Trans)	375
C1683L(Trans)	375
C1683LA	375
C1683LB	375
C1683LB/P	375
C1683LD	375
C1683P	375
C1683Q	375
C1683R	375
C1684	289A
C1684BL	289A
C1684H(Trans)	289A
C1684HR	289A
C1684-O	289A
C1684P	289A
C1684Q	289A
C1684QR	199
C1684R	289A
C1684RST	199
C1684S	199
C1684T	199
C1685	85
C1685-0	85
C1685AQRS(Trans)	85
C1685C(Trans)	85
C1685CR	85
C1685CR-Q(Trans)	85
C1685GR	85
C1685P	85
C1685Q	85
C1685-Q(Trans)	85
C1685QL(Trans)	85
C1685QR(Trans)	85
C1685QRS(Trans)	85
C1685R	85
C1685RS	85
C1685S	199
C1685ST	199
C1685T	199
C1685Y	85
C1686(CEB)	229
C1686B(CEB)	229
C1686C(CEB)	229
C1686LL(CEB)	229
C1686V(CEB)	229
C1687	229
C1687(Last IF)	233
C1687C	229
C1687LL	229
C1687Q	229
C1688	229◆
C1692A	86
C1695	229
C1706H	287
C1707AH	123A
C1707AHB	123A
C1707AHC	123A
C1707AHD	123A
C1707H	123A
C1707HB	123A
C1707HC	123A
C1707HD	123A
C1708(BCE)	90
C1708A(BCE)	90
C1709	123AP
C1714E	107
C1717	237
C1721	293
C1722	376◆
C1722BK	376◆
C1722BKS	376◆
C1722S	376◆
C1723	376◆
C1723-02	376◆
C1723A	376◆
C1728	302
C1728-3	302
C1728D	302
C1728H	302
C1730	107
C1730(L)	107
C1730K	107
C1730L	107
C1730-O	107
C1730R	107
C1734H	123A
C1735(BCE)	289A
C1735C(BCE)	289A
C1735D(BCE)	289A
C1736	199
C1737	199
C1738	199
C1739	123A
C1740	85
C1740C	85
C1740D	85
C1740E	85
C1740L	85
C1740LN	85
C1740LNS	85
C1740P	85
C1740Q	85
C1740Q-L(Trans)	85
C1740QN(Trans)	85
C1740QP(Trans)	85
C1740QR(Trans)	85
C1740QU(Trans)	85
C1740QV(Trans)	85
C1740QW(Trans)	85
C1740R	85
C1740RE	85
C1740RL	85
C1740R-L(Trans)	85
C1740RM	85
C1740RR(Trans)	85
C1740RV(Trans)	85
C1740RZ(Trans)	85
C1740S	85
C1740S(Q)	85
C1740S(Q)Y	85
C1740S(S35)	85
C1740SE(Trans)	85
C1740SED(Trans)	85
C1740SEE(Trans)	85
C1740SEH(Trans)	85
C1740SEJ	85
C1740SER(Trans)	85
C1740SES(Trans)	85
C1740SEY(Trans)	85
C1740SQT(Trans)	85
C1740S-R(Trans)	85
C1740SRK(Trans)	85
C1740SRM(Trans)	85
C1740SRP(Trans)	85
C1740SRQ(Trans)	85
C1740SRR(Trans)	85
C1740SRS(Trans)	85
C1740SRT(Trans)	85
C1740SRY(Trans)	85
C1740SSJ(Trans)	85
C1740SST(Trans)	85
C1740SSU(Trans)	85
C1740SSX(Trans)	85
C1740SSZ(Trans)	85
C1741	85
C1741AP(Trans)	85
C1741P	85
C1741Q	85
C1741QR(Trans)	85
C1741R	85
C1748	396
C1748Q(Trans)	396
C1748R(Trans)	396
C1749	376
C1749B	376
C1749C	376
C1749D	376
C1749E	376
C1749XD	376
C1752	287
C1753	287
C1755	376
C1755A	376
C1755C	376
C1755D	376
C1755E(Trans)	376
C1756	376
C1756A	376
C1756B	376
C1756C	376
C1756D	376
C1756E	376
C1756HP(Trans)	376
C1756K	376
C1756M	376
C1756MC	376
C1756N	376
C1756-O	376
C1757	376
C1757C(Trans)	376
C1757D(Trans)	376
C1757E(Trans)	376
C1758	171
C1758-K	171
C1758-L	171
C1758-M	171
C1758-N	171
C1760	306
C1760-2	306
C1760/2	306
C1760-3	306
C1760/4	306
C1760-4	306
C1760E	306
C1760H	306
C1760HY	306
C1760JA	306
C1761(Trans)	306◆
C1763	471◆
C1764	471
C1766	85
C1766B	85
C1766C	85
C1766D	85
C1766E	199
C1766F	199
C1768	86
C1773	123AP
C1774	123AP
C1775(Trans)	90
C1775AE(Trans)	90
C1776	123AP
C1777	87
C1778(CEB)	69
C1779(CEB)	319P
C1779-A(CEB)	319P
C1779-B(CEB)	319P
C1780(BCE)	278
C1781H	123A
C1782	87
C1783	87
C1784	284
C1785	388
C1786	388
C1787	26
C1787S(Trans)	26
C1787T(Trans)	26
C1788	289A
C1788P	289A
C1788Q	289A
C1788R	289A
C1789	107
C1789A	107
C1789B	107
C1790	316
C1807	311
C1809(TRANS)	107
C1809M(TRANS)	107
C1809N(TRANS)	107
C1809P(TRANS)	107
C1810	80§
C1811	399
C1815	85
C1815-0	85
C1815BE	85
C1815BL	85
C1815G	85
C1815GR	85
C1815GRL(Trans)	85
C1815O	85
C1815-OFA	85
C1815R	85
C1815Y	85
C1815-YFA(Trans)	85
C1815YL(Trans)	85
C1815YW	85
C1816	236◆
C1816(HORZ)	379
C1816E	236◆
C1816H	236◆
C1816HM	236◆
C1817	236◆
C1818	280
C1819	376
C1819L(Trans)	376
C1819M	376
C1819R(Trans)	376
C1819RL	376
C1826	196
C1826-0	196
C1826D	196
C1826F	196
C1826G	196
C1826O	196
C1826P	196
C1826Q	196
C1826R	196
C1826Y	196
C1827	291
C1827Y(Trans)	291
C1828	369
C1828B	369
C1828R	369
C1829	86
C1829C	86
C1832	98
C1833	85
C1834	85
C1840	199
C1840-E	199
C1840E(Trans)	199
C1840-F	199
C1840F(Trans)	199
C1840-P	199
C1840P(Trans)	199
C1841	90
C1841E	90
C1841F(Trans)	90
C1841P	90
C1841U	90
C1842(TRANS)	199
C1842E(TRANS)	199
C1842F(TRANS)	199
C1842P(TRANS)	199
C1842U(Trans)	199
C1843(TRANS)	199
C1843E(TRANS)	199
C1843F(TRANS)	199
C1843P(TRANS)	199
C1844	199
C1844-E	199
C1844E(Trans)	199
C1844-F	199
C1844F(Trans)	199
C1844-P	199
C1844P(Trans)	199
C1845EF(Trans)	90
C1845P(Trans)	90
C1846	373#
C1846B	373#
C1846P	373#
C1846-Q	373#
C1846Q	373#
C1846R	373#
C1846RS(Trans)	373#
C1846RSLB(Trans)	373#
C1846RSRL(Trans)	373#
C1846-Y	373#
C1847	373#
C1847-0	373#
C1847Q	373#
C1847QBF	373
C1847QR	373#
C1847R	373#
C1847V	373#
C1847VQ	373#
C1847VR	373#
C1848	186A
C1848O	186A
C1848P	186A
C1848Q	186A
C1848R	186
C1849O	123AP
C1849Q	123AP
C1849R	123AP
C1849S	123AP
C1850	123AP
C1850O	123AP
C1850P	123AP
C1850Q	123AP
C1850R	123AP
C1850S	123AP
C1851	123AP
C1851P	123AP
C1851Q	123AP
C1851R	123AP
C1851S	123AP
C1852	123AP
C1852P	123AP
C1852Q	123AP
C1852R	123AP
C1852S	123AP
C1853	85
C1853B	85
C1853C	85
C1854	85
C1854C	85
C1854R	85
C1854S	85
C1855	229
C1856	229
C1856M	229◆
C1860(Trans)	2347◆
C1860K(Trans)	2347
C1860-L(Trans)	2347◆
C1860-M(Trans)	2347◆
C1863	384
C1864	384
C1865P	85
C1866	328
C1867	385
C1868	385
C1869	328
C1870	388
C1871	385
C1871A	386
C1875	389
C1875K	389
C1875L	389
C1881K	261
C1885	399
C1885NC	399
C1885R	399
C1889O	90
C1890A	90
C1890AD	90
C1890AE	90
C1890AEF	90
C1890A-EV(Trans)	90
C1890AF	90◆
C1890C	90
C1890E	90
C1890F	90◆
C1891	389
C1892	389
C1893	389
C1893FA-1	389
C1894	238
C1894K	238
C1894N	238
C1895	238
C1896	238
C1900	90
C1903	373
C1904	373
C1905	198
C1905(1)(Trans)	198
C1905(LB)	198
C1905H	198
C1905HLB	198
C1905LB	198
C1906	107
C1906A	107◆
C1906B	107◆
C1906F(Trans)	107
C1906K	107◆
C1907	107
C1908(BCE)	229
C1908E(BCE)	229
C1908H(BCE)	229
C1909	235
C1909K	235
C1909R	235
C1909S	235
C1913	375
C1913A	375
C1913AP(Trans)	375◆
C1913AQ(Trans)	375◆
C1913AR(Trans)	375◆
C1913AS(Trans)	375◆
C1913P	375
C1913Q	375
C1913R	375
C1913S	375
C1914(BCE)	199◆
C1914A	90
C1914A(BCE)	199◆
C1915(BCE)	199◆
C1919(BCE)	199
C1919F(BCE)	199
C1919G(BCE)	199
C1919H(BCE)	199
C1921	399
C1921-03	399
C1922	389◆
C1923-0(Trans)	107
C1923(Trans)	107
C1923A(Trans)	107
C1923BN(Trans)	107
C1923O(Trans)	107
C1923-O(Trans)	107
C1923P(Trans)	107
C1923-P(Trans)	107
C1923R(Trans)	107
C1923-R(Trans)	107
C1923-Y	229
C1923Y(Trans)	107
C1929	198
C1929Q	198
C1929R	198
C1929S	198
C1934A-O	69
C1934AR	69
C1940(Trans)	399
C1940K(Trans)	399
C1940M(Trans)	399
C1941	399
C1941K(ECB)	287
C1941L(ECB)	287
C1941M(ECB)	287
C1942	389◆
C1942-07	165
C1944	236
C1945(Trans)BEC	236#
C1945U(Trans)	90
C1951	382◆
C1953	373#
C1953P	373#
C1953Q	373#
C1953R	373#
C1955	488
C1955R	488
C1957	295
C1957B	295
C1957K	295
C1957Q	295
C1959	85
C1959O	85
C1959-O	85
C1959-Y	85
C1959Y	85
C1960	85
C1962	191
C1962-0	191
C1962H	191
C1962-O	191
C1963	83§
C1964	236
C1964D	236
C1969	236
C1969A	236
C1969AH	236
C1969B	236
C1969BH	236
C1969C	236
C1969H	236
C1969X	236
C1970	342◆
C1972	343
C1974	236
C1974-5	236
C1974C	236
C1975	235
C1975Q	235
C1980R	90
C1980S	290A
C1980T	290A
C1980U	290A
C1982S	282§
C1983(TRANS)	58
C1983M(Trans)	56
C1983O(Trans)	56
C1983Q(Trans)	56
C1983R(Trans)	56
C1983Y(Trans)	56
C1984(TRANS)	56
C1985	196
C1986	331
C1986D	331
C1990B	107
C1990C	229
C2000	85
C2000-K	85
C2000K	85
C2000L	85
C2000-L	85
C2000-M	85
C2000M	85
C2001	85
C2001F(Trans)	85
C2001G(Trans)	85
C2001-K	85
C2001K	85
C2001L	85
C2001-L	85
C2001M	85
C2001-M	85
C2002	85
C2002(IC)	1232
C2002(TRANS)	297
C2002(TRANSISTOR)	297
C2002K	85
C2002-K	85
C2002L	85
C2002-L	85
C2002M	85
C2002-M	85
C2003	85
C2003K	85
C2003-K	85
C2003-L	85
C2003L	85
C2003M	85
C2003-M	85
C2003P(HEP)	OBS-NLA
C2005P(HEP)	9989
C2005V(IC)	1396
C2007G	9911
C2009	229
C2009J	229
C2012	107
C2014	363
C2017	386
C2018	386
C2019	386
C2020	235
C2021(Trans)	16◆
C2021E	85
C2021LN	16◆
C2021LNP	16◆
C2021LNS	16◆
C2021M	16
C2021MLN	16
C2021MLNP	16
C2021MLNS	16
C2021MQ	16
C2021MR	16
C2021MS(Trans)	16
C2021NLMS	16
C2021Q	16◆
C2021R	16◆
C2021RG	16
C2021RJ	16
C2021S	16
C2022	198
C2023(Trans)	2313
C2024	295
C2025	316◆
C2026	23
C2026K	23
C2027	165
C2028	373
C2028/1	373
C2028/2	373
C2028-2	373
C2028A	373
C2028A/20	373
C2028B	295
C2028-B/20	373
C2028B/20	295
C2028-B/B/20	373
C2029	235
C2029-1	235
C2029/1	235
C2029/2	235
C2029-3	235
C2029/3	235
C2029/10	235
C2029B	235
C2029-B/10	235
C2029B/10	235
C2029B/B/10	235
C2029C	235
C2035	123AP
C2036	373
C2037	23
C2040	76◆
C2043	236
C2051(ECB)	123AP
C2056	488
C2057	229
C2057C	229
C2057D	229
C2057E	229
C2057F	161
C2058(TRANS)	85
C2058P(TRANS)	85
C2058Q(TRANS)	85
C2058S(Trans)	2361
C2058S-P(Trans)	2361
C2059K(Trans)	2408
C2060	293
C2060Q	293
C2060QC(Trans)	293
C2060R(Trans)	293
C2060RD(Trans)	293
C2061(Trans)	297
C2061(TRANS)	289A
C2061P(TRANS)	289A
C2061P(Trans)	297
C2061Q(TRANS)	289A
C2061Q(Trans)	297
C2062(ECB)	46
C2062B(ECB)	46
C2062C(ECB)	46
C2063(TRANS)	85◆
C2063(Trans)	16◆
C2063M	16
C2063MN	16
C2063MP	16
C2063MQ	16
C2063N	16◆
C2063P	16◆
C2063P(TRANS)	85◆
C2063Q	16◆
C2063Q(TRANS)	85◆

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
C2067	315
C2068(Trans)	376◆
C2068B(Trans)	376◆
C2068BKLB(Trans)	376
C2068FA1	376◆
C2068FA-1	376◆
C2068G	376◆
C2068-GS-1(TRANS)	376
C2068LB	376◆
C2068LBBK	376◆
C2069	123A
C2070	123A
C2071(Trans)	157
C2073	375
C2073A	375
C2073AD	375
C2073AE	375
C2073AR(Trans)	375
C2073ARD(Trans)	375
C2073ARE(Trans)	375
C2073B	375
C2073C	375
C2073D	375
C2073E	375
C2073FA-1(Trans)	375
C2073FA-4	375
C2073L	375
C2073LB	375
C2073LBGL	375
C2073LBGL2	375
C2073-O(Trans)	375
C2073R	375
C2073RD	375
C2073RE	375
C2073SO	375
C2073T(Trans)	375
C2073Y	375
C2073-Z(Trans)	375
C2074	322§
C2074C	322§
C2074Y	322§
C2075	236
C2075J	236
C2075K	236
C2076	85
C2076(CB)	85
C2076B	85
C2076B(CB)	85
C2076BC	85
C2076BC(CB)	85
C2076C	85
C2076C(CB)	85
C2076CB	85
C2076CB(CB)	85
C2076CD	85
C2076CD(CB)	85
C2076D	85
C2076D(CB)	85
C2078	235
C2078B	235
C2078C	235
C2078D	235
C2078E	235
C2085	376
C2085P	198
C2085PQ	198
C2085Q	198
C2088	199◆
C2089	199◆
C2091	295
C2091D	295
C2092	235◆
C2092D	235◆
C2094	139A
C2098	236
C2099	333◆
C2101	348◆
C2102	350
C2102A	2102
C2102A-4	2102
C2102A-6	2102
C2103A	345
C2105	364
C2107(Trans)	2406
C2107A-1(RAM)	2107
C2107A-4(RAM)	2107
C2107A-5(RAM)	2107
C2107A(RAM)	2107
C2107B-1(RAM)	2107
C2107B-2(RAM)	2107
C2107B-4(RAM)	2107
C2107B(RAM)	2107
C2107C-2(RAM)	2107
C2107C-4(RAM)	2107
C2107C(RAM)	2107
C2107G3(Trans)	2406
C2107G5(Trans)	2406
C2107G6(Trans)	2406
C2109	123AP
C2113	373#
C2114A-3	2114
C2114AP-3	2114
C2117	427/488
C2117-3	2117
C2117-4	2117
C2117-5	2117
C2118	427/488
C2120	289A
C2120-0	289A
C2120FA	289A
C2120-Y	289A
C2120Y	289A
C2121	283
C2122	283
C2128-15	2128
C2128-20	2128
C2128(RAM)	2128
C2129(BCE)	199
C2129F(BCE)	199
C2129G(BCE)	199
C2129H(BCE)	199
C2130(BCE)	199
C2130F(BCE)	199
C2130G(BCE)	199
C2130H(BCE)	199
C2132	366◆
C2137	385
C2138(Trans)	385
C2139	386
C2139A	386
C2140(Trans)	386
C2141	190
C2141M	375◆
C2146	235
C2147	2147
C2147-3	2147
C2147-6	2147
C2151	386
C2164-15	2164
C2164-20	2164
C2164-25	2164
C2164(RAM)	2164
C2164A-15	2164
C2164A-20	2164
C2164A(RAM)	2164
C2166	235◆
C2166D	235◆
C2167(Audio)	375
C2167Y(Audio)	375
C2168(Audio)	375
C2168-O(Audio)	375
C2175	385
C2181	320F
C2182	360
C2184	236
C2188(Trans)	15
C2190	52
C2191	53
C2194	49
C2194A	49
C2195	236
C2200	394
C2206(Trans)	15
C2206-A(Trans)	15
C2206-B(Trans)	15
C2206C	15
C2206D(Trans)	15
C2209(Trans)	184
C2209-P(Trans)	184
C2209-Q(Trans)	184
C2209R	184
C2210(Trans)	85
C2210C(Trans)	85
C2210D(Trans)	85
C2210E(Trans)	85
C2210F(Trans)	85
C2212(EBC)	107
C2212A(EBC)	107
C2213	108
C2215	319P
C2216	319P
C2217	319P
C2228	399
C2228A	399
C2228AC(Trans)	399
C2228AD	399
C2228AE	399
C2228AF(Trans)	399
C2228C	399
C2228D	399
C2228E	399
C2228M	399
C2228O	399
C2228Y	399
C2228YC(Trans)	399
C2228YD(Trans)	399
C2228YE(Trans)	399
C2228YF(Trans)	399
C2229	399
C2229-0	399
C2229FA	399
C2229H	399
C2229M	399
C2229O	399
C2229-Y	399
C2229Y	399
C2230	399
C2230A	399
C2230AAGR	399
C2230AG	399
C2230AGR	399
C2230A-GR	399
C2230AGY	399
C2230AY	399
C2230A-Y	399
C2230G	399
C2230GR	399
C2230R	399
C2230Y	399
C2231Y	198
C2233	51
C2234	320
C2234-M	379
C2235	382◆
C2236	382
C2236-0	382
C2236-CY	382
C2236D	382
C2236Y	382
C2238	375◆
C2238-0(Trans)	375◆
C2238A	375◆
C2238A0(Trans)	375◆
C2238AY(Trans)	375◆
C2238B	375◆
C2238Y(Trans)	375◆
C2240BL(Trans)	382◆
C2240-GL	382◆
C2240GR	382◆
C2241	376
C2242	376
C2242BK	376
C2242BKL	376
C2243(Trans)	52
C2244(Trans)	53
C2245(Trans)	53
C2246(Trans)	53
C2247(Trans)	2333◆
C2256	388
C2257	2501
C2258	2501
C2258A(Trans)	2501
C2260	87
C2261	87
C2262	87
C2263	199
C2263R(Trans)	199
C2263S(Trans)	199
C2263T(Trans)	199
C2264	315
C2267H	396
C2271	399
C2271C	399
C2271D	399
C2271E	399
C2271G	399
C2271M	399
C2271MN	399
C2271N	399
C2271-O	399
C2271WB(Trans)	399
C2271Z(Trans)	399
C2274D	289A
C2274-DE	289A
C2274E	289A
C2274F	289A
C2274K	289A
C2274KD	289A
C2274KE	289A
C2274KF	289A
C2275(Trans)	375
C2275A	375◆
C2278	171◆
C2279	171
C2290	317
C2291(TRANS)	44
C2291F(TRANS)	44
C2291G(TRANS)	44
C2291H(TRANS)	44
C2292(Trans)	53
C2293(Trans)	53
C2295(Trans)	2406
C2295A(Trans)	2406
C2295B(Trans)	2406
C2295C(Trans)	2406
C2298	253
C2303	386
C2304	386
C2305	2308
C2306	386
C2307	2308
C2307-Y	2308
C2308	289A
C2308B	289A
C2308C	289A
C2309	199
C2309D	199
C2309E	199
C2309F	199
C2309L(Trans)	199
C2310	85
C2310(Korea)	399
C2310B	85
C2310C	85
C2310-O(Korea)	399
C2310R(Korea)	399
C2310Y(Korea)	399
C2312	236
C2314	295
C2314D	295
C2314E	295
C2316(Trans)	31
C2316-OO(Trans)	31
C2316Y(Trans)	31
C2320	85
C2320D	85
C2320E	85
C2320F	85
C2320L	85
C2320LE	85
C2320LE(ECB)	123AP
C2320LF	85
C2324	253
C2324K	253
C2328	24
C2328-O	24
C2328Y	24
C2330	399
C2330-O	399
C2330R	399
C2330Y	399
C2331	375◆
C2331(Korea)	24
C2331-K	375◆
C2331-L	375◆
C2331-M	375◆
C2331-O	24
C2331Y	24
C2331YT	24
C2333	379
C2333-K	379
C2333-L	379
C2333-M	379
C2334(Trans)	54
C2334-K(Trans)	54
C2334-L(Trans)	54
C2335	379
C2335-K	379
C2335-L	379
C2335-M	379
C2337	87
C2337A	87
C2344	375
C2344D	375
C2344E	375
C2344F	375
C2347	107
C2348	69
C2349	107
C2352(TRANS)	69
C2352K	69
C2352L	69
C2352L(TRANS)	69
C2353(Trans)	64◆
C2354	384
C2356	386
C2359	379
C2361	241
C2361A	241
C2362	26
C2362K	26◆
C2363(ECB)	194
C2363E(ECB)	194
C2363F(ECB)	194
C2364	2307
C2365	163A◆
C2368(Trans)	64
C2369(Trans)	64
C2371(Trans)	157
C2371K	157
C2371L	157
C2371M	157
C2371V	157
C2371V(Trans)	157
C2373	379◆
C2373-K	379
C2373L	379
C2373-L	379
C2373-M	379
C2375	90
C2375(ECB)	194
C2375E(ECB)	194
C2375F(ECB)	194
C2377(Trans)	15
C2377-C(Trans)	15
C2377-D(Trans)	15
C2382	320F◆
C2383(Trans)	31
C2383-O(Trans)	31
C2383O(Trans)	31
C2383-OR	31
C2383-R(Trans)	31
C2383R(Trans)	31
C2383-Y(Trans)	31
C2384	190
C2385(BCE)	199
C2385F(BCE)	199
C2385G(BCE)	199
C2388	386
C2388A(TRANS)	53
C2389(TRANS)	90
C2389E(TRANS)	90
C2389S(TRANS)	90
C2390(TRANS)	90
C2390E(TRANS)	90
C2390S(TRANS)	90
C2394	236
C2396	199
C2396D	199
C2396E	199
C2396F	199
C2398	328◆
C2399	108
C2399A	108
C2399B	108
C2399C	108
C2402	284◆
C2405(Trans)	2406
C2406(Diode)	552
C2406AM	552
C2406M	552
C2406M(Diode)	552
C2410(ECB)	319P
C2410M(ECB)	319P
C2410N(ECB)	319P
C2411K(Trans)	2406
C2411KP(Trans)	2406
C2411KQ(Trans)	2406
C2411KR(Trans)	2406
C2412K(Trans)	2408
C2412KQ(Trans)	2408
C2412KR(Trans)	2408
C2412KS(Trans)	2408
C2413K(Trans)	2408
C2413N(Trans)	2408
C2413P(Trans)	2408
C2413Q(Trans)	2408
C2414(Trans)	52
C2415(Trans)	53
C2416(Trans)	53
C2427(TRANS)	379
C2428(Trans)	327
C2428K(Trans)	327
C2429(TRANS)	53
C2429A(TRANS)	53
C2430	328◆
C2431	328◆
C2432	328◆
C2433	387◆
C2434	387◆
C2435	97◆
C2436	98◆
C2437(Trans)	53
C2441	373
C2441D	373
C2441E	373
C2441F	373
C2456	157
C2456LBZ(Trans)	157
C2456Z(Trans)	157
C2458	85
C2458-0	2361
C2458(Trans)	2361
C2458BL	2361
C2458GR(Trans)	2361
C2458LBL(Trans)	2361
C2458LG	2361
C2458LGR(Trans)	2361
C2458LL	2361
C2458LO	2361
C2458LY	2361
C2458O	2361
C2458Y(Trans)	2361
C2459	26
C2460A	280
C2460AO	280
C2460AR	280
C2460AY	280
C2461A	284
C2461AO	284
C2461AR	284
C2461AY	284
C2462(Trans)	2408
C2462B(Trans)	2408
C2462C(Trans)	2408
C2462D(Trans)	2408
C2463(Trans)	2408
C2463D(Trans)	2408
C2465	64
C2467	64
C2470	64
C2471	23◆
C2472(Trans)	23
C2473(Trans)	23
C2477(Trans)	316
C2481	373
C2481-0	373
C2481O	373
C2481-R	373
C2481-Y	373
C2482	399
C2482-1(Trans)	399
C2482BK	399
C2482FA-1(Trans)	399
C2482K(Trans)	399
C2482V(TRANS)	399
C2482Z(Trans)	399
C2484	36
C2484P	36
C2484-Q	36
C2484-R	36
C2485(Trans)	36
C2485-P(Trans)	36
C2485Q(Trans)	36
C2485-R(Trans)	36
C2486	390◆
C2486P(Trans)	36◆
C2486Q(Trans)	36
C2487	284
C2488	284
C2488P(Trans)	284
C2488Q(Trans)	284
C2488R(Trans)	284
C2489	284
C2489P(Trans)	284
C2489Q(Trans)	284
C2489R(Trans)	284
C2497(Trans)	373#
C2497A(Trans)	373#
C2497AP(Trans)	373#
C2497AQ(Trans)	373#
C2497AR(Trans)	373#
C2497P(Trans)	373#
C2497Q(Trans)	373#
C2497R(Trans)	373#
C2498	10
C2499	10
C2500(Trans)	2363
C2501(Trans)	51
C2502(TRANS)	379
C2504(Diode)	552
C2508	320F
C2509	236◆
C2511	289A
C2511A	289A
C2511B	289A
C2511C	289A
C2511D	289A
C2512	229
C2512-03(Trans)	229
C2516(Trans)	54
C2516K(Trans)	54
C2516L(Trans)	54
C2516M(Trans)	54
C2518(Trans)	379
C2519	107
C2522	280
C2522A(TRANS)	284
C2523	284
C2524	284
C2525	33§
C2525B	33§
C2525-B	33§
C2525-G	33§
C2525G	33§
C2526	33§
C2528(TRANS)	54
C2534	379
C2535	379
C2536	2308
C2537	2308
C2538-11	123A
C2540	477
C2541	2308
C2542	379
C2543	199◆
C2544	199◆
C2545	199
C2545D	199
C2545E	199
C2545F	199
C2546	199◆
C2547	199◆
C2548(Trans)	10
C2549(Trans)	229
C2550	123A
C2550-0	123A
C2550-GR	123A
C2550-Y	123A
C2551(Trans)	399
C2551-O	399
C2551-O(Trans)	399
C2551O(Trans)	399
C2551R(Trans)	399
C2552(Trans)	51
C2553	379
C2555	2308
C2555Z(Trans)	2308
C2556	373#
C2556A	373#
C2557	199
C2557-S(Trans)	199
C2557-T(Trans)	199
C2557-U(Trans)	199
C2560	107
C2561	107
C2561-A(Trans)	107
C2561-B(Trans)	107
C2562	377
C2562-0	377
C2562-Y	377
C2564(TRANS)	33§
C2564O(TRANS)	33§
C2564R(TRANS)	33§
C2564Y(TRANS)	33§
C2565(TRANS)	33§
C2565O(TRANS)	33§
C2565P(TRANS)	33§
C2565Y(TRANS)	33§
C2568	157
C2568-1-K	157
C2568-1-L	157
C2568-1-M	157
C2568(1)	157
C2568(1)LD	157
C2568(Trans)	157
C2568D	157
C2568K(Trans)	157
C2568KD(Trans)	157
C2568L(Trans)	157
C2568LD(Trans)	157
C2568M(Trans)	157
C2570(Trans)	10
C2570A(Trans)	10
C2570AE(Trans)	10
C2575(BCE)	85
C2575D(BCE)	85
C2575E(BCE)	85
C2575F(BCE)	85
C2575L(BCE)	85
C2575LE(BCE)	85
C2575LF(BCE)	85
C2577	36
C2578(Trans)	36
C2579(Trans)	36
C2580(Trans)	36
C2581(Trans)	36
C2582(Trans)	373
C2582Q(Trans)	373#
C2582R(Trans)	373#
C2587(TRANS)	33§
C2588(TRANS)	33§
C2589(TRANS)	87
C2590	373#
C2590P(Trans)	373#
C2590Q(Trans)	373#
C2590R(Trans)	373#
C2591	375
C2591Q(Trans)	375
C2591R(Trans)	375
C2592	375
C2592R	375
C2594	184◆
C2594V(Trans)	184◆
C2602(BCE)	199◆
C2602F(BCE)	199◆
C2602G(BCE)	199◆
C2603	289A
C2603D	289A
C2603D(Trans)	85◆
C2603E	289A
C2603F	289A
C2603G(Trans)	289A
C2603R(Trans)	289A
C2603S	289A
C2607	388
C2608	388◆
C2610	399
C2610-05(Trans)	399
C2610-5	399
C2610B	399
C2610BK	399
C2610BR(Trans)	399
C2610V(Trans)	399
C2610Y	399
C2611	157
C2611-5(Trans)	157
C2611BK	157
C2611V(Trans)	157
C2612	379
C2613	379
C2615A(Diode)	558
C2616	53
C2617	53
C2618(Trans)	2406
C2618B(Trans)	2406
C2618C(Trans)	2406
C2618D(Trans)	2406
C2619(Trans)	2408
C2619A(Trans)	2408
C2619B(Trans)	2408
C2619C(Trans)	2408
C2621(TRANS)	157
C2621C(Trans)	157
C2621D(TRANS)	157
C2621E(Trans)	157
C2621RA(Trans)	157
C2621RAC	157
C2621RAD(Trans)	157
C2621RAE(Trans)	157
C2623	386
C2624	2308
C2625	2308
C2626	2311#
C2627	348◆
C2629	345◆
C2630	477
C2631	399
C2632	399
C2632-Q(Trans)	399
C2633	376
C2633Q(Trans)	376
C2633R(Trans)	376
C2634(Trans)	199
C2634R(Trans)	199
C2634RS(Trans)	199
C2634S(Trans)	199
C2634T(Trans)	199
C2636(Trans)	15
C2636-T(Trans)	15
C2637	157
C2637-B	157
C2640	344◆
C2646	107
C2647(ECB)	229
C2647C	85
C2653	157
C2653H	157◆
C2653HCL(Trans)	198
C2653HLB(Trans)	157
C2653Q(Trans)	157
C2654(Trans)	377◆
C2654L(Trans)	377◆
C2654M(Trans)	377◆
C2655	24
C2655(Trans)	2363
C2655(ECB)	216
C2655-O	24
C2655Y(Trans)	24
C2656	2308
C2657	389◆
C2657A	389◆
C2658KD(Trans)	157
C2659	238
C2659A	238
C2660(Trans)	375
C2660P(Trans)	375
C2665	390
C2668	229
C2668-0	229
C2668-R	229
C2668-Y	229
C2669	289A
C2669-0	289A
C2669-R	289A
C2669-Y	289A
C2670	289A
C2670-0	289A
C2670-R	289A
C2670-Y	289A
C2671(Trans)	10
C2671F(Trans)	10
C2671H(Trans)	10
C2673(Trans)	20◆
C2673(TRANS)	293◆
C2673P	20◆
C2673Q	20◆
C2673Q(TRANS)	293◆
C2673R	20◆
C2673R(TRANS)	293◆
C2675(TRANS)	289A
C2675R(TRANS)	289A
C2675S(TRANS)	289A
C2681(Trans)	36
C2682(Trans)	373
C2682Q(Trans)	373
C2688	157
C2688K(TRANS)	157
C2688KA(Trans)	157
C2688L(Trans)	157◆
C2688LA	157
C2688LK(Trans)	157
C2688M(TRANS)	157
C2688M(Trans)	157
C2688MA(Trans)	157
C2688N(Trans)	157
C2690(Trans)	373
C2690AP(Trans)	373
C2690AQ(Trans)	373
C2690AR(Trans)	373
C2690P(Trans)	373
C2690Q(Trans)	373
C2690R(Trans)	373
C2694	352
C2703(Trans)	382
C2703O(Trans)	382
C2703Y(Trans)	382
C2704	373
C2704-O	373
C2705O(Trans)	31
C2705-O(Trans)	31
C2705-Y(Trans)	31
C2705Y(Trans)	31
C2706	36
C2706-O	36
C2706R	36
C2708	2708
C2710	289A
C2710-0	289A
C2710-Y	289A
C2712(Trans)	2408
C2712G(Trans)	2408
C2712GR(Trans)	2408
C2712O(Trans)	2408
C2712Y(Trans)	2408
C2713(Trans)	2410
C2713G(Trans)	2410
C2715(Trans)	2408
C2715M(Diode)	506
C2715O(Trans)	2408
C2715R(Trans)	2408
C2715Y(Trans)	2408
C2716	2716
C2716(Trans)	2408
C2716O(Trans)	2408
C2716R(Trans)	2408
C2716Y(Trans)	2408
C2717	229
C2717FA	229
C2718(Trans)	85
C2718Q(Trans)	85
C2718R(Trans)	85
C2720(Trans)	85
C2722(TRANS)	33§
C2724	289A
C2724B	289A
C2724C	289A
C2724-CD	289A
C2724D	289A
C2724E(Trans)	289A
C2724T(Trans)	289A
C2727	64
C2729	63
C2732	2732
C2732A-2(EPROM)	2732
C2732A-3(EPROM)	2732
C2732A-4(EPROM)	2732
C2732A-20(EPROM)	2732
C2732A-25(EPROM)	2732
C2732A-30(EPROM)	2732
C2732A(EPROM)	2732
C2734(Trans)	2402
C2736(Trans)	2402◆
C2738(TRANS)	51
C2739(TRANS)	379
C2740	2308
C2749	2308
C2749L(Trans)	2308
C2749M(Trans)	2308
C2749N(Trans)	2308
C2750(Trans)	2305#
C2750K(Trans)	2305#
C2750L(Trans)	2305#
C2750M(Trans)	2305#
C2751	2311#
C2751M(Trans)	2311#

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
C2751N(Trans)	2311#
C2752(Trans)	2327
C2752K(Trans)	2327
C2752L(Trans)	2327
C2752M(Trans)	2327
C2753(Trans)	10
C2754	399
C2764-2	2764
C2764-3	2764
C2764-4	2764
C2764-25	2764
C2764-30	2764
C2764-45	2764
C2764(EPROM)	2764
C2766(TRANS)	92
C2768	379
C2769	2308
C2773(TRANS)	58
C2774D(TRANS)	58
C2775(Trans)	2410
C2776(Trans)	2406
C2776A(Trans)	2406
C2776B(Trans)	2406
C2776C(Trans)	2406
C2784	26
C2784E	26
C2784F	26
C2784P	26
C2785(Trans)	2361
C2785E(Trans)	2361
C2785F(Trans)	2361
C2785FF(Trans)	2361
C2785H(Trans)	2361
C2785HF(Trans)	2361
C2785J(Trans)	2361
C2785JF(Trans)	2361
C2785JHFE(Trans)	2361
C2785K(Trans)	199◆
C2785R(Trans)	2361
C2786(Trans)	107◆
C2786K(Trans)	107◆
C2786L(Trans)	107◆
C2786M(Trans)	107◆
C2787(Trans)	107◆
C2787K(Trans)	107◆
C2787L(Trans)	107◆
C2787M(Trans)	107◆
C2788	2308
C2789	2308
C2790	389◆
C2790A(Trans)	389
C2791	389◆
C2792	2309
C2803(TRANS)	373
C2808(TRANS)	90◆
C2808E(TRANS)	90◆
C2808R(TRANS)	90◆
C2808S(TRANS)	90◆
C2809	394#
C2810(TRANS)	379
C2812(Trans)	2408
C2812L4(Trans)	2408
C2812L5(Trans)	2408
C2812L6(Trans)	2408
C2812L7(Trans)	2408
C2814(Trans)	2408
C2814F2(Trans)	2408
C2814F3(Trans)	2408
C2814F4(Trans)	2408
C2814F5(Trans)	2408
C2815(TRANS)	379
C2816	379
C2818	386
C2818H	386
C2819(TRANS)	388
C2820(TRANS)	388
C2821(Trans)	2410
C2821D(Trans)	2410
C2824(TRANS)	373
C2824-O	373
C2825	2307◆
C2827	379
C2828	2308
C2829(Trans)	2319
C2831(Trans)	2325
C2831A(Trans)	2325
C2832(Trans)	2337
C2832A(Trans)	2337
C2833	2309
C2833A	2309
C2834	2348
C2834A	2348
C2837(TRANS)	36
C2838(TRANS)	33§
C2839(Trans)	2361
C2839D(Trans)	85
C2839E(Trans)	2361
C2839F(Trans)	2361
C2840D(Trans)	107
C2841	2308
C2853	382
C2853D	382
C2854	382
C2854D	382
C2855	382
C2855D	382
C2856D	382
C2857D(Trans)	399
C2857E(Trans)	399
C2859(Trans)	2406
C2859O(Trans)	2406
C2859Y(Trans)	2406
C2867(TRANS)	379
C2868	289A
C2868Y	289A
C2872(TRANS)	297
C2872Q(TRANS)	297
C2872R(TRANS)	297
C2876	63
C2877	184
C2878	85
C2878A	85
C2878B(Trans)	85
C2879(Trans)	470
C2882(Trans)	2428
C2882O(Trans)	2428
C2882Y(Trans)	2428
C2884(Trans)	2428
C2884O(Trans)	2428
C2884Y(Trans)	2428
C2898(TRANS)	379
C2899(Trans)	2327
C2900(TRANS)	394
C2901	216
C2909R(Audio)	31
C2909S(Audio)	31
C2911(Audio)	373◆
C2911R(Audio)	373◆
C2911S(Audio)	373◆
C2913	379
C2914(TRANS)	53
C2914Z(Trans)	53
C2920(TRANS)	53
C2921(TRANS)	33§
C2922(TRANS)	58
C2923	157◆
C2926(Trans)	107
C2928(Trans)	238
C2929(TRANS)	51
C2937	2308
C2938	2308
C2939	2308
C2944	2311
C2958(Trans)	373◆
C2959(Trans)	373◆
C2960(Trans)	2361
C2960E(Trans)	85◆
C2960F(Trans)	2361
C2960G(Trans)	2361
C2961	2308
C2962	2309
C2963(TRANS)	377
C2964(TRANS)	53
C2965(TRANS)	53
C2971(TRANS)	53
C2972(TRANS)	53
C2979(Trans)	2325
C2986	107
C2987(TRANS)	36
C2987A(Trans)	36
C2987AR(Trans)	36
C2987R(Trans)	36
C2995	107◆
C2996(Trans)	2406
C2996O(Trans)	2406
C2996R(Trans)	2406
C2996Y(Trans)	2406
C2998(Trans)	85
C2998E(Trans)	85
C2998F(Trans)	85
C2998G(Trans)	85
C2999(Trans)	107
C3000(Trans)	85
C3000D(Trans)	85
C3000E(Trans)	85
C3000F(Trans)	85
C3000L(HEP)	7400
C3000P	7400
C3001	1192
C3001-0	1192
C3001A	1192
C3001L(HEP)	7401
C3001-O	1192
C3001P	7401
C3002P	7402
C3004L(HEP)	7404
C3004P	7404
C3010L(HEP)	7410
C3010P	7410
C3012(TRANS)	36
C3012Q(Trans)	36
C3012R(Trans)	36
C3015(Trans)	2402
C3016(Trans)	2402
C3020L(HEP)	7420
C3020P	7420
C3025(Trans)	2324◆
C3026(Trans)	2324◆
C3030L(HEP)	7430
C3030P	7430
C3037(Trans)	10
C3038(TRANS)	51
C3038N(Trans)	51
C3039(TRANS)	379
C3040	2308
C3040L(HEP)	7440
C3040P	7440
C3041(TRANS)	53
C3041L(HEP)	7441
C3041P	7441
C3042	2308
C3043(TRANS)	53
C3044(TRANS)	52
C3044A(TRANS)	52
C3045(TRANS)	53
C3046(TRANS)	53
C3047(Trans)	2337◆
C3050L(HEP)	7450
C3050P	7450
C3051(Trans)	2327
C3052(Trans)	2406
C3052E(Trans)	2406
C3052F(Trans)	2406
C3053(Trans)	2406
C3053B(Trans)	2406
C3053C(Trans)	2406
C3053D(Trans)	2406
C3054	256◆
C3063(Trans)	157
C3070(Trans)	2503◆
C3073L(HEP)	7473
C3073P	7473
C3075L(HEP)	7475
C3075P	7475
C3078M	16
C3078MM	16
C3078MN	16
C3078MP	16
C3080(Trans)	15
C3080M	15◆
C3080ND	15
C3083	2309
C3084(TRANS)	53
C3088	2309
C3089	2348
C3089L(Trans)	2348
C3089M(Trans)	2348
C3090	2348
C3090L(Trans)	2348
C3090M(Trans)	2348
C3091(TRANS)	386
C3092(TRANS)	386
C3093(TRANS)	386
C3099(Trans)	2402
C3110(Trans)	2402
C3112	199
C3114(Trans)	289A
C3114R(Trans)	289A
C3114S(Trans)	289A
C3114T(Trans)	382
C3115(Trans)	2410
C3115D25(Trans)	2410
C3116(Audio)	373
C3116R(Audio)	373
C3116S(Audio)	373
C3116T(Audio)	373
C3117(Audio)	373
C3117R(Audio)	373
C3117S(Audio)	373
C3117T(Audio)	373
C3119(Trans)	2402
C3123	108
C3127(Trans)	2402
C3128(Trans)	10
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C4255(Trans)	2402
C4263(Trans)	2402
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C4533(Trans)	2339
C4535(Trans)	256#
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C4558C(IC)	778A
C4559(Trans)	2337
C4559C(IC)	778A
C4560(Trans)	2365#
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C4689(Trans)	36#
C4690(Trans)	36#
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C4744(Trans)	2331
C4745(Trans)	2324#
C4746(Trans)	2324#
C4747(Trans)	2354#
C4757(Trans)	2324#
C4758(Trans)	2324#
C4759(Trans)	2354#
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C4764(Trans)	2331◆
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C4769-2(Trans)	2353◆
C4769-3(Trans)	2353◆
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C4916(Trans)	2353◆
C4924(Trans)	2365#
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C5027(Trans)	399◆
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C5101-8	65101
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C6007	OBS-NLA
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C6009P(HEP)	829
C6010	753§
C6010(HEP)	753§
C6010P(HEP)	838
C6011	761§
C6012	OBS-NLA
C6013	755
C6014	757§
C6015	767§
C6016(HEP)	772A
C6016C(HEP)	772A
C6017	773
C6019	OBS-NLA
C6050G(HEP)	973§
C6052G(HEP)	941
C6052P	941M
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C6057P	790
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C6062P	708
C6063P	712
C6065P	719
C6066P	798
C6067G	707
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C6069G	780
C6069P(HEP)	780
C6070P	714
C6071P	715
C6072P	739
C6073P(HEP)	814A§
C6074P	718
C6075P	738
C6076P	749
C6077P	782§
C6079P	747
C6080P	721
C6081P	779A
C6082P	708
C6083P	712
C6085P	731
C6089	705A
C6090	804
C6091	816§
C6091G(HEP)	816§
C6095P(HEP)	720
C6096P	801
C6099P	795§
C6100P	783§
C6101P	723
C6102P	778A
C6103P	909
C6105(HEP)	972
C6107P(HEP)	975
C6110P(HEP)	960
C6111P(HEP)	962
C6112P(HEP)	964
C6113P(HEP)	966
C6114P(HEP)	968
C6116P(HEP)	972
C6118P(HEP)	961
C6120P(HEP)	963
C6122P(HEP)	967
C6123P(HEP)	969
C6130P(HEP)	955M
C6131P(HEP)	978
C6132(HEP)	977
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C7335-BL	199
C7336R	199
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C7407P(HEP)	7407
C7408P(HEP)	7408
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C7448P(HEP)	7448
C7454P(HEP)	7454
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C7473P(HEP)	7473
C7474P(HEP)	7474
C7475P(HEP)	7475
C7483P(HEP)	7483
C7485P(HEP)	7485
C7486P(HEP)	7486
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C7495P(HEP)	7495
C7496P(HEP)	7496
C7805AHF(VR)	1960
C7805HF(VR)	1960
C7806HF(VR)	1962
C7808AHF(VR)	1964
C7812HF(VR)	1970
C7815HF(VR)	1972
C7818HF(VR)	1974
C7824HF(VR)	1976
C7840	229
C7912AHF(VR)	1971
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C8080A	8080A
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C8212	8212
C8212P	8212
C8214	8214§
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C8224	8224
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C8228P	8228
C8255	8255
C8255P	8255
C8380	289A
C9002(Diode)	597
C9011	123AP
C9011E	123AP
C9011F	123AP
C9011G	123AP
C9011H	123AP
C9011I	123AP
C9012	159
C9012F	159
C9012G	159
C9012H	159
C9012I	159
C9012J	159
C9013	128P
C9013F	128P
C9013G	128P
C9013H	128P
C9013I	128P
C9013J	128P
C9014	123AP
C9014A	123AP
C9014B	123AP
C9015	159
C9015A	159
C9015B	159
C9015C	159
C9016	108
C9016F	108
C9080	129
C9081	129
C9082	159
C9083	159
C9084	159
C9085	159
C9202(Diode)	6240
C9302	6246#
C9302(Diode)	6246#
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C9634	199
C10110	116
C10159	116
C10176	116
C10215-2	160
C10227	102A
C10230-3	102A
C10258	160
C10260	160
C10261	160
C10262	160
C10279-1	123A
C10279-3	123A
C10291	126A
C10898	375
C10963ZM	186A
C10964ZL	186A
C11021	102A
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C21383	139A
C21480	109
C23018	519
C36577	129
C36578	161
C36579	128
C36580	123A
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C36583	152
C41001	129
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C66048-A1409-A26	308
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C256125-011	519
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C2485076-3	128
C2485077-2	128
C2485078-1	108
C2485079-1	108
C6141990	177
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CA-092	139A
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CA0324F24	987
CA0324M	987SM
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CA0358M	928SM
CA0555M	955SM
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CA20	116
CA32A25V12	5703
CA32A25V24	5703
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CA33A80V60	5720
CA33A80V80	5720
CA33A80W10	5720
CA33A80W12	5720
CA50	116
CA90	177
CA100	116
CA102BA	116
CA102DA	116
CA102FA	116
CA102HA	116
CA102MA	116
CA102PA	125
CA102RA	125
CA102VA	125
CA150	116
CA152VA	125
CA200	116
CA201AT	1171
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CA239AG	834
CA239E	834
CA239G	834
CA250	116
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CA301AE	975
CA301AT	1171
CA301E	975
CA307E	976
CA308AT	938
CA308T	938
CA311E	922M
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CA311T	922
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CA339AG	834
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CA339G	834
CA344V1	711
CA358AM	928SM
CA358AS	928
CA358AT	928
CA358E	928M
CA358S	928
CA358T	928
CA555CE	955M
CA555CG	955M
CA555E	955M
CA555M	955SM
CA723	923
CA723CE	923D
CA723CT	923
CA723E	923D
CA723T	923
CA741CE	941M
CA741CG	941M
CA741CS	941M
CA741CT	941
CA747CE	947D
CA747CF	947D
CA747CG	947D
CA747CT	947
CA748CT	1171
CA758E	743
CA810M	1115
CA810Q	1115A
CA1020A	116
CA1190G	1231A
CA1190GQ	1231
CA1190GQ/M	1231
CA1191E	1231A
CA1310E	801
CA1352E	749
CA1365	712
CA1391E	815
CA1394E	836
CA1398	738
CA1398E	738
CA1408E	2056
CA1458	778A
CA1458E	778A
CA1458G	778A
CA1458S	778A
CA2002	1232
CA2065	712
CA2111AE	708
CA2111AQ	708
CA2111E	708
CA3000	900§
CA3000T	900§
CA3001	901§
CA3001T	901§
CA3010	903
CA3010A	903
CA3010AT	903
CA3010T	903
CA3011	726
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CA3012	726
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CA3014	704
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CA3015T	903
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CA3019T	905
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CA3030	908
CA3030A	908
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CA3035V1	785§
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CA3042E	710
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CA3043T	786§
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CA3044T	711
CA3044V1	711
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CA3045E	912
CA3045F	912
CA3046	912
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CA3047A	913§
CA3047E	913§
CA3048	727
CA3049	906
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CA3064E	783§
CA3064T	780
CA3065	712
CA3065/7F	712
CA3065C	712
CA3065E	712
CA3065F	712
CA3065FC	712
CA3065FC	712
CA3065N	712
CA3065RCA	712
CA3066	728
CA3066AE	728
CA3066E	728
CA3067	729
CA3067AE	729
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CA3070G	714
CA3070-G	714
CA3071	715
CA3071E	715
CA3072	713
CA3072E	713
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CA3075D	723
CA3075E	723
CA3076	781§
CA3076T	781§
CA3079	914
CA3079E	914
CA3080	902
CA3080E	996
CA3080GW	902
CA3080S	902
CA3080T	902
CA3081	916
CA3081E	916
CA3082	2023
CA3082E	2023
CA3083	929
CA3083E	929
CA3086	912
CA3086E	912
CA3088E	787
CA3089E	788
CA3089F	788
CA3090A	789
CA3090AQ	789
CA3090E	789
CA3090Q	789
CA3100T	871
CA3120E	731
CA3121E	791
CA3121E-G	791
CA3121G	791
CA3123E	744
CA3125E	798
CA3126EM	797
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CA3126EMI	797
CA3126Q	797
CA3130AE	930◆
CA3130AS	930
CA3130AT	930
CA3130E	930◆
CA3130GW	930
CA3130S	930
CA3130T	930
CA3134	1175§
CA3134EM	1175§
CA3134GQM	1175§
CA3134Q	1175§
CA3134QM	1175§
CA3135G	818
CA3136E	843
CA3136EW	843
CA3136G	843
CA3136GW	843
CA3137	1176§
CA3137E	1176§
CA3137EM	1176§
CA3137EM1	1176§
CA3137EMI	1176§
CA3139E	1174
CA3139GHI	1174
CA3139GM1	1174
CA3139GQ	1174
CA3139Q	1174
CA3143	1177
CA3143E	1177
CA3144G	985§
CA3151G	986
CA3151GMI	986
CA3151GMT	986
CA3152E	867
CA3153G	984
CA3153GM1	984
CA3153GMI	984
CA3153MI	984

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
CA3154E	701
CA3156	822
CA3157G	849
CA3159	820
CA3161	2032
CA3161E	2032
CA3161EN	2032
CA3162CE	2054
CA3162E	2054
CA3163E	851
CA3163GW	851
CA3168E	2024
CA3170E	982
CA3172	821
CA3172G	821
CA3177E	863§
CA3189E	7016
CA3191E	842
CA3191GW	842
CA3192E	841
CA3192GW	841
CA3195	1655
CA3195E	1655
CA3202E	849
CA3210E	868
CA3217E	844
CA3218E	1739
CA3221	819§
CA3221G	819§
CA3234E	873
CA3236E	874
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CD86003	177
CD410299	6230
CD410499	6230
CD410699	6230
CD410899	6230
CD411099	6230
CD411299	6230
CD420140	5711
CD420160	5721
CD420190	5721
CD420240	5711
CD420260	5721
CD420290	5721
CD420440	5711
CD420460	5721
CD420490	5721
CD420640	5711
CD420660	5721
CD420690	5721
CD420840	5711
CD420860	5721

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
CD420890	5721
CD421040	5711
CD421060	5721
CD421090	5721
CD421240	5711
CD421260	5721
CD421290	5721
CD430140	5710
CD430160	5720
CD430190	5720
CD430240	5710
CD430260	5720
CD430290	5720
CD430440	5710
CD430460	5720
CD430490	5720
CD430640	5710
CD430660	5720
CD430690	5720
CD430840	5710
CD430860	5720
CD430890	5720
CD431040	5710
CD431060	5720
CD431090	5720
CD431240	5710
CD431260	5720
CD431290	5720
CD470140	5712
CD470160	5722
CD470190	5722
CD470240	5712
CD470260	5722
CD470290	5722
CD470440	5712
CD470460	5722
CD470490	5722
CD470640	5712
CD470660	5722
CD470690	5722
CD470840	5712
CD470860	5722
CD470890	5722
CD471040	5712
CD471060	5722
CD471090	5722
CD471240	5712
CD471260	5722
CD471290	5722
CD720140OY	5711
CD720140OZ	5711
CD720160OY	5721
CD720160OZ	5721
CD720190OY	5721
CD720190OZ	5721
CD720240OY	5711
CD720240OZ	5711
CD720260OY	5721
CD720260OZ	5721
CD720290OY	5721
CD720290OZ	5721
CD720440OY	5711
CD720440OZ	5711
CD720460OY	5721
CD720460OZ	5721
CD720490OY	5721
CD720490OZ	5721
CD720640OY	5711
CD720640OZ	5711
CD720660OY	5721
CD720660OZ	5721
CD720690OY	5721
CD720690OZ	5721
CD770140OY	5712
CD770140OZ	5712
CD770160OY	5722
CD770160OZ	5722
CD770190OY	5722
CD770190OZ	5722
CD770240OY	5712
CD770240OZ	5712
CD770260OY	5722
CD770260OZ	5722
CD770290OY	5722
CD770290OZ	5722
CD770440OY	5712
CD770440OZ	5712
CD770460OY	5722
CD770460OZ	5722
CD770490OY	5722
CD770490OZ	5722
CD770640OY	5712
CD770640OZ	5712
CD770660OY	5722
CD770660OZ	5722
CD770690OY	5722
CD770690OZ	5722
CD860011	178MP
CD-860037	116
CD860037	177
CD3112039	139A
CD3122055	139A
CD3212055	5078A
CD3212055(Zener)	139A
CDC86X7-5	123A
CDC430	123A
CDC496	159
CDC731	312
CDC744	154
CDC745(Zenith)	123A
CDC746	123A
CDC746(Zenith)	159
CDC1201BC	123A
CDC2010	123A
CDC2010C	123A
CDC2010D	123A
CDC2510C	123A
CDC2510C-G	123A
CDC2510G	123A
CDC4023A130	123A
CDC5000	107
CDC5000-1B	108
CDC5008	128
CDC5028A	128
CDC5038A	108
CDC5071A	108
CDC5075B	108
CDC8000	123A
CDC8000-1	128
CDC8000-1B	123A
CDC8000-1C	128
CDC-8000-1D	192§
CDC8000-1D	192§
CDC8000-CM	128
CDC8001	123A
CDC-8001	123A
CDC8002	128
CDC8002-1	128
CDC8011B	123A
CDC8021	123A
CDC8054	123A
CDC9000-1	159
CDC9000-1B	129
CDC-9000-1B	129
CDC-9000-1D	159
CDC9000-1D	159
CDC9002	129
CDC9002-1C	128
CDC9002-18	128
CDC10000-1E	159
CDC12000-1C	123A
CDC12018C	123A
CDC12030B	107
CDC12077F	123A
CDC12112C	108
CDC12112D	108
CDC12112E	108
CDC12112F	108
CDC-13000-1	123A
CDC13000-1	123A
CDC13000-1B	123A
CDC13000-1C	123A
CDC-13000-1D	123A
CDC13000-1D	123A
CDC13000-1B	123A
CDC13016A	123A
CDC13500-1	123A
CDC25100-6	123A
CDC120700	128
CDC4306813	123A
CDG-00	177
CDG00	177
CDG005	116
CDG00S	177
CDG025	177
CDG-20	177
CDG-20/494	177
CDG21	177
CDG-21	177
CDG-22	177
CDG22	177
CDG-23	600
CDG23	177
CDG24	177
CDG-24	177
CDG24/3490	177
CDG24S	177
CDG27	177
CDJ-00	177
CDQ1004	154
CDQ10001	123A
CDQ10002	123A
CDQ10003	123A
CDQ10004	123A
CDQ10005	123A
CDQ10006	123A
CDQ10007	123A
CDQ10008	123A
CDQ10009	123A
CDQ10010	123A
CDQ10011	128
CDQ10012	128
CDQ10013	154
CDQ10014	128
CDQ10015	154
CDQ10016	123A
CDQ10017	123A
CDQ10018	123A
CDQ10019	123A
CDQ10020	123A
CDQ10021	123A
CDQ10022	123A
CDQ10023	123A
CDQ10024	123A
CDQ10025	123A
CDQ10026	123A
CDQ10027	123A
CDQ10028	123A
CDQ10032	123A
CDQ10033	128
CDQ10034	154
CDQ10035	123
CDQ10036	123
CDQ10037	154
CDQ10045	154
CDQ10046	154
CDQ10047	154
CDQ10048	128
CDQ10049	154
CDQ10051	128
CDQ10052	128
CDQ10053	128
CDQ10057	128
CDQ10058	128
CDR-2	116
CDR-4	116
CDR69/121/207	911
CDT1309	121
CDT1310	121
CDT1311	121
CDT1319	121
CDT1320	121
CDT1321	121
CDT-1322	179
CDT1349	121
CDT1349A	121
CDT1350	121
CDT1350A	121
CDZ-9V	139A
CDZ-318-75	138A
CDZ15000	128
CDZ-C9V	139A
CE0360/7839	102A
CE0361/7839	102A
CE0362/7839	102A
CE0363/7839	158
CE0398/7839	116
CE0495/7839	109
CE37	177
CE502	116
CE504	116
CE506	116
CE508	125
CE510	125
CE4001B	123AP
CE4001C	123AP
CE4001E	123A
CE4002D	129
CE4003D	128
CE4003E	123A
CE4004C	123AP
CE4005C	159
CE4008B	229
CE4008C	229
CE4008D	229
CE4010D	108
CE4010E	108
CE4012D	159
CE4012E	159
CE4013D	123AP
CE4013E	123AP
CE213811	102A
CEC6050	116
CER6B	116
CER67	116
CER67A	116
CER67B	116
CER67C	116
CER68	116
CER68A	116
CER68B	116
CER68C	116
CER69	116
CER69A	116
CER69B	116
CER69C	116
CER70	116
CER70A	116
CER70B	116
CER70C	116
CER71	116
CER71A	116
CER71B	116
CER71C	116
CER71CA	116
CER72	125
CER72A	125
CER72B	125
CER72C	125
CER72D	125
CER72F	125
CER73	125
CER73A	125
CER73B	125
CER73C	125
CER73D	125
CER73F	125
CER500	116
CER500A	116
CER500B	116
CER500C	116
CER670	116
CER670A	116
CER670B	116
CER670C	116
CER680	116
CER680A	116
CER680B	116
CER680C	116
CER690	116
CER690A	116
CER690B	116
CER690C	116
CER700	116
CER700A	116
CER700B	116
CER700C	116
CER710	116
CER710A	116
CER710B	116
CER710C	116
CER720	125
CER720A	125
CER720B	125
CER720C	125
CER730	125
CER730A	125
CER730B	125
CER730C	125
CF-092	139A
CF1	108
CF2	123A
CF-2	123A
CF3	610
CF-3	611
CF5	123A
CF6	195A
C-F8	237
CF8	237
CF11	313
CF14	233
CF102DA	116
CF102PA	125
CF102RA	125
CF102VA	156
CF152VA	156
CF4013BE	4013B
CG1	123A
CG1-25-2	6110
CG1-25-4	6110
CG1-25-6	6110
CG1-25-8	6112
CG1-25-10	6112
CG1-25-12	6112
CG1(Diode)	506
CG2	506
CG2-22-1	5590
CG2-22-2	5590
CG2-22-4	5591
CG2-22-6	5591
CG2-22-8	5592
CG2-22-10	5592
CG2-22-12	5592
CG2-25-1	5590
CG2-25-2	5590
CG2-25-4	5591
CG2-25-6	5591
CG2-25-8	5592
CG2-25-10	5592
CG2-25-12	5592
CG2-145L	15043
CG2-230L	15044
CG2-300L	15045
CG2-350L	15046
CG2-470L	15047
CG2-600L	15048
CG12E	109
CG64H	109
CG65H	109
CG66H	109
CG74H	109
CG75L	15040
CG86H	109
CG90L	15041
CG109	116
CG110L	15042
CG111	610
CG205	613
CG207	519
CG23018	519
CG24015A	9944
CGD462	109
CGD591	109
CGD685	109
CGD1029	109
CGE-50	160
CGE-51	160
CGE-52	102A
CGE-53	158
CGE-60	319P
CGE-61	233
CGE-62	199
CGE-63	192§
CGE-64	172A
CGE-66	152
CGE-67	193
CGE-68	124
CGE-69	153
CGE-75	283
CGE-78MP	283
CGE-79	238
CGE-500	177
CGJ-1	506
CH119D	116
CH4734	136A
CH4735	137A
CHA4Z3.6	134A
CHA4Z5.1	135A
CHA4Z5.6	136A
CHAZ6.2	137A
CHAZ6.2A	137A
CHMZ3.6	134A
CHMZ5.1	135A
CHMZ5.6	136A
CHZ10	140A
CHZ10A	140A
CI-8.2	5072A
CI2711	123A
CI2712	123A
CI2713	123A
CI2714	123A
CI2923	123A
CI2924	123A
CI2925	123A
CI2926	123A
CI3390	123A
CI3391	123A
CI3391A	123A
CI3392	123A
CI3393	123A
CI3394	123A
CI3395	123A
CI3396	123A
CI3397	123A
CI3398	123A
CI3402	123A
CI3403	123A
CI3404	123A
CI3405	123A
CI3414	123A
CI3415	123A
CI3416	123A
CI3417	123A
CI3704	128
CI3705	128
CI3706	128
CI3900	123A
CI3900A	123A
CI3901	123A
CI4256	123A
CI4424	123A
CI4425	123A
CIC-300	124
CIC5106	2051
CIC5107	2050
CIC6124E	1561
CIC9192	1691
CIC9193	1692§
CII-225-Q	130
CIJ70645	110MP
CIL194	229
CIL194A	229
CIL194B	229
CIL195	229
CIL195A	229
CIL195B	229
CIL511	108
CIL512	108
CIL513	108
CIL521	108
CIL522	108
CIL523	108
CIL531	108
CIL532	108
CIL533	108
CJ02H	5589◆
CJ02J	5589◆
CJ02J8-1	5589◆
CJ02K	5589◆
CJ02L	5589◆
CJ02W	5589◆
CJ02X	5589◆
CJ04C	5587◆
CJ04D	5587◆
CJ04E	5587◆
CJ04F	5587◆
CJ04G	5587◆
CJ032	102A
CJ166	229
CJ170	123AP
CJ180	123AP
CJ322	123AP
CJ326	123AP
CJ392	126A
CJ5201	123A
CJ5202	123A
CJ5203	123A
CJ5204	102A
CJ-5206	123A
CJ5206A	192§
CJ-5207	123A
CJ-5208	123A
CJ5209	129
CJ5210	128
CJ5211	123A
CJ5212	123A
CJ5213	128
CJ5214	128
CJ5215	128
CJSE067	933
CJSE071	931
CK4	126A
CK4A	126A
CK13	102A
CK13A	102A
CK14	100
CK14A	100
CK16	100
CK16A	100
CK17	100
CK17A	100
CK22	102A
CK22A	102A
CK22B	102A
CK22C	102A
CK25	100
CK25A	100
CK26	100
CK26A	100
CK27	100
CK27A	100
CK28	126A
CK28A	126A
CK261	101
CK262	101
CK419	123A
CK420	123A
CK421	123A
CK422	123A
CK474	123A
CK475	123A
CK476	123A
CK477	123A
CK661	100
CK662	100
CK705	109
CK706	109
CK706A	109
CK706P	109
CK710	112
CK715	109
CK721	102
CK722	102
CK725	102
CK727	102
CK731	112
CK751	102
CK754	102
CK759	100
CK759A	100
CK760	100
CK760A	100
CK761	100
CK762	126A
CK766	126A
CK766A	126A
CK768	100
CK776	100
CK776A	100
CK790	102
CK791	102
CK793	102
CK794	102
CK870	102
CK871	102
CK872	102
CK875	102
CK878	102
CK879	102
CK882	102
CK888	102
CK891	102A
CK892	102A
CK942	159
CL04C	5580◆
CL04D	5582◆
CL04E	5582◆
CL04F	5582◆
CL04G	5582◆
CL04H	5584◆
CL04J	5584◆
CL04K	5584◆
CL04L	5584◆
CL05	116
CL010	116
CL025	116
CL066C	289A
C.L0D	400/128
CL.0C	400/128
CL1	116
CL1.5	116
CL2	116
CL3	116
CL4	116
CL5	116
CL6	116
CL7	116
CL8	116
CL-110	3028
CL110	3028
CL110A	3028
CL-110A	3028
CL116P	159
CL116Q	159
CL155C	294
CL166C	123AP
CL166D	123AP
CL166N	123AP
CL/410-025-057	161
CL/410-027-022	123AP
CL/410-027-034	199
CL/413-004-014	552
CL/413-014-010	116
CL/410025-057	161
CLEAK-02200	5312
CLEAK-02201	5313
CLEAK-02300	5313
CLEAK-02301	5313
CLEAK-02601(1)	37
CLEAK-06002	2732
CLEAK-5401(1)	261
CLI5	3040
CLI-5	3040
CLM05	116
CLM1	116
CLR2050	3032
CLR2060	3036
CLR2081	3036
CLR2180	3036
CM	113A
CM02H	5584◆
CM02J	5584◆
CM02K	5584◆
CM02L	5584◆
CM02W	5584◆
CM02X	5584◆
CM03MC14011CP	4011B
CM04C	5580◆
CM04D	5582◆
CM04E	5582◆
CM04F	5582◆
CM04G	5582◆
CM04H	5584◆
CM04J	5584◆
CM04K	5584◆
CM04L	5584◆
CM05-MM64C00N	4011B
CM0770	128
CM0SMC14011CP	4011B
CM0SMM74C00N	74C00
CM0STC4011P	4011B
CM2P-90L	15041
CM2P-145L	15043
CM2P-230L	15044
CM2P-350L	15046
CM2P-470L	15047
CM2P-600L	15048
CM4-83	3025
CM4-83-1	3025
CM4-83-2	3025
CM4-84-1	3020
CM4-84-2	3020
CM4-84B	3020
CM4-84B-0	3020
CM4-84B-1	3020
CM4-100	3050
CM4-101	3051
CM4-110	3050
CM4-111	3051
CM4-284B	3022
CM4-284B-2	3022
CM4-344A	3010
CM4-384B	3024
CM4-384B-2	3024
CM4-444A	3009
CM4-484B	3023
CM4-484B-2	3023
CM4-544A	3011
CM4-584B	3021
CM4-584B-2	3021
CM4-5020	3042
CM-9	736
CM10-12A	365
CM-12	116
CM20-12A	366
CM21-3	201
CM-24	3019
CM25-12	366
CM30-12A	367
CM40-12	367
CM44-11-002-1	3200
CM44-11-012-3	3202
CM44-11-021-2	3201
CM45-12A	367
CM50-12A	368
CM60-12A	368
CM144-11-002-1	3200
CM144-11-012-3	3202
CM144-11-021-2	3201
CM-244A	3008
CM336ZT	952
CM603	466
CM647	466
CM2417	5304
CM2550	121
CM4000AD	4000
CM4000AE	4000
CM4001AD	4001B
CM4001AE	4001B
CM4002AE	4002B
CM4006	4006B
CM4006A	4006B
CM4006AE	4006B
CM4007AE	4007
CM4008	4008B
CM4008AE	4008B
CM4009AE	4049
CM4010AE	4050B
CM4011AE	4011B
CM4012AE	4012B
CM4013AE	4013B
CM4014AE	4014B
CM4015AE	4015B
CM4016AE	4016B
CM4017AE	4017B
CM4018	4018B
CM4018AE	4018B
CM4019AE	4019B
CM4020AE	4020B
CM4021AE	4021B
CM4022	4022B
CM4022AE	4022B
CM4023AE	4023B
CM4024AE	4024B
CM4025AE	4025B
CM4027AE	4027B
CM4028AE	4028B
CM4029AE	4029B
CM4030AE	4030B
CM4032AE	4032B
CM4033AE	4033B
CM4034	4034B
CM4034AE	4034B
CM4034BE	4034B
CM4035	4035B
CM4035AE	4035B
CM4038AE	4038B
CM4040AE	4040B
CM4041AE	4041
CM4044	4044B
CM4046	4046B
CM4047AE	4047B
CM4048AE	4048B
CM4049AE	4049
CM4050AE	4050B
CM4053	4053B
CM4063	4063B
CM4066	4066B
CM4066AE	4066B
CM4069B	4069
CM4073	4073B
CM4076	4076B
CM4076AE	4076B
CM4076BE	4076B
CM4511	4511B
CM4514	4514B
CM4514AE	4514B
CM4515	4515B
CM4515AE	4515B
CM4518	4518B
CM4520	4520B
CMC334-423	123A
CMC2540A	98
CMC4040A	98
CMC7010A	99
CMC7012A	99
CMC7015A	99
CMD53173	3182
CMD54173	3181
CMD57173	3180
CMD57173(4-265)	3180
CMO3MC14011CP	4011B
CMOSMC14011CP	4011B
CMSTC4011P	4011B
CN06C	5570◆
CN06D	5572◆
CN06E	5572◆
CN06F	5572◆
CN06G	5572◆
CN06H	5574◆
CN06J	5574◆
CN07C	5570◆
CN07D	5572◆
CN07E	5572◆
CN07F	5572◆
CN07G	5572◆
CN07H	5574◆
CN07J	5574◆
CN2484	128
CN5310	1410
CN5310K	1410
CN5310L	1410
CN5310M	1410
CN5311	1410
CN5311LM	1410
CN5411	1299
CNX35	3041
CNX36	3041
CNY17	3041
CNY17A	3041
CNY17B	3041
CNY17C	3041
CNY18	3040
CNY28	3100
CNY29	3101
CNY31	3102
CNY32	3103
CNY36	3102
CNY37	3100
CNY48	3084◆
CO2	5072A
CO49	116
CO508	125
CO510	125
CO6435	289A
CO10174-02	855
CO10745-03	6507
CO10745-12	6507
CO10750	6532
CO10750-03	6532
CO10750-05	6532
CO10750-12	6532
CO10816	4050B
CO10816-03	4050B
CO10816-XX	4050B
CO10819-01	960
CO14313	74LS244
CO14331-09	2117
CO14336	4051B
CO14341	74LS10
CO14344	74LS138
CO14345	74LS158
CO14377	6502
CO14806-03	6502
CO14806-12	6502
CO14809	288
CO17097	74LS08
CO18991	159
CO60474	74LS51
CO60607	519
CO60612	2164
CO61426	74LS138
CO61702	928M
CO61850	74LS14
COD1531	116
COD1532	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
COD1533	116
COD1534	116
COD1535	116
COD1536	116
COD1537	125
COD1538	125
COD1551	116
COD1552	116
COD1553	116
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CP2027A	4935
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CP2068A	4959
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CQ075N	159
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CQ107	184
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CQ109I	159
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CR102/6515	109
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CR107Y1	5452
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CR122M	5466
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CS184E	123
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CS1589S	161
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CS1627	159
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CS2002H	159
CS2003	123AP
CS2003A	123AP
CS2003B	123AP

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
CS2003C	123AP
CS2003D	123AP
CS2003E	123AP
CS2003F	123AP
CS2003G	123AP
CS2003H	123AP
CS2004	123AP
CS2004A	123AP
CS2004B	123AP
CS2004C	123AP
CS2004D(EBC)	199
CS2005	159
CS2005A	159
CS2005B	159
CS2005C	159
CS2005D	234
CS2006	233
CS2006C	233
CS2006D	233
CS2006E	233
CS2006F	233
CS2006G	233
CS2006H	233
CS2006I	233
CS2006J	233
CS-2007G	108
CS-2007H	108
CS2008	108
CS2008C	108
CS2008D	108
CS2008E	108
CS2008F	108
CS2008G	108
CS-2008G	108
CS-2008H	108
CS2008H	108
CS2008H552	108
CS2008I	108
CS2008J	108
CS2023	192§
CS2032M	159
CS2073M	192§
CS2082	159
CS2082G	159
CS2083G	85
CS-2083H	123AP
CS2083H	123AP
CS-2142	193
CS-2143	192§
CS2218	123A
CS2219	123A
CS2221	123A
CS2222	123A
CS2369	123A
CS2481	123A
CS2484	128
CS2711	123A
CS2712	123A
CS2713	123A
CS2714	123A
CS2715	161
CS2716	161
CS2907N8	995M*
CS2907N14	995*
CS2917	995
CS2917-8	995M
CS2917-B8	995M
CS2917-D8	995M
CS2922	123A
CS2923	123A
CS2924	123A
CS2925	123A
CS-3001B	108
CS-3024	172A
CS3082	2023
CS3390	123A
CS3391	123A
CS3391A	123A
CS3392	123A
CS3393	123A
CS3394	123A
CS3395	123A
CS3396	123A
CS3397	123A
CS3398	123A
CS3402	123A
CS3403	123A
CS3404	123A
CS3405	123A
CS3414	123A
CS3415	123A
CS3416	123A
CS3417	123A
CS3524AN	1720
CS3605	123A
CS3606	123A
CS3607	123A
CS3662	161
CS3663	161
CS3702	159
CS3703	159
CS3704	128
CS3705	128
CS3706	128
CS3707	161
CS3708	161
CS3709	161
CS3710	161
CS3711	161
CS3842AN-8	7096
CS3842AN8	7096
CS3843	123A
CS3843AN8	7097
CS3843AN-8	7097
CS3844	123A
CS3844AN-8	7098
CS3844AN-8	7098
CS3845	123A
CS3845AN8	7099
CS3845AN-8	7099
CS3854	123A
CS3854A	123A
CS3855	123A
CS3855A	123A
CS3859	123A
CS3859A	123A
CS3860	123A
CS3900	123A
CS3900A	123A
CS3901	123A
CS3903	123A
CS3904	123A
CS3906	159
CS4001	311
CS4003	123A
CS4005	128
CS4006	128
CS4007	123A
CS4012	159
CS4013	159
CS4021	123A
CS4060	123A
CS4061	123A
CS4062	123A
CS4193	123A
CS4194	123A
CS4424	123A
CS4425	123A
CS5088	123A
CS5369	123A
CS5447	159
CS5448	159
CS5449	128
CS5450	128
CS5451	128
CS5560N	1672
CS5560NN	1672
CS5995	703
CS6168F	123A
CS6168G	128
CS-6168G	123A
CS-6168H	123A
CS-6225E	107
CS6225F	108
CS-6225G	123A
CS6226F	108
CS6227E	108
CS6227F	108
CS-6227G	108
CS6228F	159
CS-6228G	129
CS6229F	123A
CS6229G	123A
CS7228G	129
CS7229F	128
CS7229G	123A
CS8050	297
CS8204	164§
CS8204K	164§
CS8205	164§§
CS8205K	164§§
CS8550C	294
CS9001	108
CS9011	123A
CS-9011	123A
CS9011/3490	123A
CS9011D	123A
CS9011E	123A
CS9011F	123A
CS-9011G	123A
CS9011G	123A
CS9011G/3490	123A
CS9011H	123A
CS9011I	123A
CS-9011L	123A
CS9012	159
CS9012/3490	159
CS9012E	159
CS9012E-F	159
CS9012F	159
CS9012FC	159
CS9012FG	159
CS9012G	159
CS9012H	159
CS9012HE	159
CS9012HF	159
CS9012HF(Last IF)	233
CS9012HG	159
CS9012HG/3490	159
CS9012HH	159
CS9012HH/3490	159
CS9012I	159
CS9013	123A
CS9013/3490	123A
CS9013A	123A
CS9013B	123A
CS9013C	123A
CS9013D	123A
CS9013E	123A
CS9013F	123A
CS9013G	123A
CS9013H	123A
CS9013HE	123A
CS9013HF	123A
CS9013HG	123A
CS9013HG/3490	123A
CS9013HH	123A
CS9014	123A
CS-9014	123A
CS9014/3490	123A
CS9014A	123A
CS9014B	123A
CS-9014B	123A
CS9014C	123A
CS9014C/3490	123A
CS9014D	123A
CS-9014D	123A
CS9014G	123A
CS9015	159
CS9015B	159
CS9015C	159
CS9015C2	159
CS-9015D	159
CS9015D	159
CS9016	229
CS-9016	229
CS9016/3490	229
CS9016D	229
CS-9016D	229
CS9016E	229
CS9016EF	229
CS-9016F	229
CS9016F	229
CS9016FG	229
CS9016G	229
CS9016G/3490	229
CS9016H	229
CS9017F	161
CS9017G	161
CS9017H	161
CS-9018	108
CS9018	108
CS9018/3490	108
CS9018D	108
CS-9018E	108
CS9018E	108
CS9018EF	108
CS9018F	108
CS-9018F	108
CS9018F/3490	108
CS9018FG	108
CS-9018G	108
CS9018G	108
CS-9018H	108
CS9020E	159
CS9020F	159
CS9021G-I	108
CS9021HF	129
CS9021HF(Last IF)	233
CS9021HG(Last IF)	233
CS9022LE	128
CS9101B	123A
CS9102	159
CS9102B	129
CS9103B	128
CS9103C	128
CS-9104	123A
CS9124B1	108
CS9124-C2	108
CS9125B	123A
CS-9125B	123A
CS9125-B1	108
CS9126	123A
CS9128-B2	159
CS9128C1	159
CS9129	159
CS9129B	159
CS9129B1	159
CS9129B2	159
CS9417	192§
CS9600-4	123A
CS9600-5	123A
CS13401	123A
CS90111	123A
CSB503B	649
CSM3B1	5454
CSM3B2	5455
CSM3B4	5457
CSS162	708
CST1739	104
CST1740	104
CST1741	104
CST1742	104
CST1743	121
CST1744	121
CST1745	121
CST1746	121
CSZ24	5081A
CT02C	5492
CT02D	5494
CT02E	5494
CT03C	5514
CT03D	5515
CT03E	5515
CT04C	5483§
CT04D	5485§
CT04E	5485§
CT04F	5487§
CT06B	5462
CT06C	5463
CT06D	5465
CT06E	5465
CT08C	5492◆
CT08D	5494◆
CT08E	5494◆
CT08F	5496◆
CT08G	5496◆
CT09C	5534A◆
CT09D	5534A◆
CT09E	5534A◆
CT09F	5534A◆
CT09G	5534A◆
CT11-1A	5640
CT11-2A	5641
CT11-4A	5642
CT12-1A	5640
CT12-2A	5641
CT12-4A	5642
CT12C	5463
CT12E	5465
CT16XT	113A
CT30-1A	5650
CT30-2A	5651
CT30-4A	5652
CT31-1A	5640
CT31-2A	5641
CT31-4A	5642
CT32-05N	5673
CT32-1A	5640
CT32-1N	5673
CT32-2A	5641
CT32-2N	5673
CT32-4A	5642
CT32-4N	5675
CT32-6A	5643
CT32-6N	5677
CT33-1A	5650
CT33-2A	5651
CT33-4A	5652
CT62-05N	5673
CT62-1N	5673
CT62-2N	5673
CT62-4N	5675
CT62-5N	5677
CT62-6N	5677
CT82-2N	5673
CT82-4N	5675
CT82-6N	5677
CT100	116
CT102-05N	5673
CT102-1N	5673
CT102-2N	5673
CT102-4N	5675
CT102-5N	5677
CT152-05N	5673
CT152-1N	5673
CT152-2N	5673
CT152-4N	5675
CT152-5N	5677
CT200	116
CT300	116
CT302-2N	5693
CT302-4N	5695
CT302-6N	5697
CT401-2N	5693
CT401-4N	5695
CT401-6N	5697
CT402-2N	5693
CT461	109
CT600	116
CT1009	102A
CT1012	107
CT1013	107
CT1017	158
CT-1087	85
CT-1090	85
CT-1093	289A
CT-1097	199
CT-1106	85
CT1122	121
CT1124	121
CT1124A	121
CT1124B	121
CT1300	108
CT1500	108
CT2002	109
CT-2002	109
CT2005	110MP
CT2007	109
CT2008	110MP
CT-2035	614
CT-2040	519
CT-2056	3007
CT3003	116
CT3005	116
CT3005(Ratio Det.)	110MP
CT-3017	116
CT-4017	1206
CT-4021	824
CT-4022	1154
CT-4024	950
CT6776	154
CTB-23	6085
CTB-23L	6085
CTB-24	6085
CTB-24L	6085
CTB-33	6090
CTB-33M	6090#
CTB-33S	6090
CTB-34	6090
CTB-34M	6090#
CTB-34S	6090
CTC-G12	597
CTC-TX50	318
CTC-TX100	317
CTCZ17B	5132A
CTG-11R	6244
CTG-11S	6240
CTG-12R	6244
CTG-12S	6240
CTG-14S	6241
CTG-21R	6244
CTG-21S	6240
CTG-22R	6244
CTG-22S	6240
CTG-23S	6241
CTG-24S	6241
CTG-31S	6246
CTG-32S	6246
CTG-33S	6247#
CTG-34S	6247#
CTG—12S	6240
CTG-G12	597
CTL-2S	6240
CTL-11S	6240
CTL-12S	6240
CTL-21S	6240
CTL-22S	6240
CTL-31S	6246
CTL-32S	6246
CTM21R	6244
CTM21S	6240
CTM22R	6244
CTM22S	6240
CTM24S	6241
CTM26S	6241
CTM32S	6246
CTM34S	6247
CTN200	116
CTO2C	5492
CTO2D	5494
CTO2E	5494
CTO3C	5514
CTO3D	5515
CTO3E	5515
CTO4C	5483§
CTO4D	5485§
CTO4E	5485§
CTO4F	5487§
CTO6B	5462
CTO6C	5463
CTO6D	5465
CTO6E	5465
CTP461	109
CTP573	109
CTP1032	102A
CTP1033	102A
CTP1034	102A
CTP1035	102A
CTP1036	102A
CTP1104	104
CTP1106	104
CTP1108	104
CTP1109	104
CTP1111	121
CTP1117	104
CTP1119	104
CTP1124	121
CTP1133	121
CTP1135	121
CTP1136	121
CTP1137	121
CTP1265	121
CTP1266	121
CTP1306	121
CTP1307	121
CTP1500	121
CTP1503	121
CTP1504	121
CTP1508	121
CTP1509	105
CTP1511	121
CTP1512	105
CTP1513	121
CTP1514	121
CTP1544	179
CTP1545	179
CTP1550	121
CTP1551	121
CTP1552	179
CTP1553	179
CTP1728	121
CTP1729	121
CTP1730	121
CTP1731	121
CTP1732	121
CTP1733	121
CTP1735	121
CTP1736	121
CTP1739	121
CTP-2001-1001	102A
CTP-2001-1002	102A
CTP-2001-1003	102A
CTP-2001-1004	102A
CTP-2001-1007	123A
CTP-2001-1008	123A
CTP-2001-1009	102A
CTP-2001-1010	109
CTP-2001-1011	116
CTP-2001-1012	116
CTP-2006-1001	102A
CTP-2006-1002	102A
CTP-2006-1003	102A
CTP-2006-1004	109
CTP2076-1001	102A
CTP2076-1002	102A
CTP2076-1003	102A
CTP2076-1004	102A
CTP2076-1005	102A
CTP2076-1006	102A
CTP2076-1007	102A
CTP2076-1008	102A
CTP2076-1009	102A
CTP2076-1010	102A
CTP2076-1011	102A
CTP2076-1012	102A
CTP3500	121
CTP3503	121
CTP3504	121
CTP3508	121
CTP3544	179
CTP3545	179
CTP3552	179
CTP3553	179
CTR-0001	123A
CTR-0002	199
CTR-0003	199
CTR-0004	123A
CTR-0005	152
CTR-0006	315
CTR-0007	235
CTR-0008	294
CTR-0009	177
CTR-0010	109
CTR-0011	139A
CTR-0012	601
CTR-0013	116
CTU-1S	6240
CTU-11R	6244
CTU-11S	6240
CTU-12R	6244
CTU-12S	6240
CTU-20R	6244
CTU-20S	6240
CTU-21R	6244
CTU-21S	6240
CTU-22R	6244
CTU-22S	6240
CTU-30S	6246#
CTU-31S	6246#
CTU-32S	6246#
CTZC6.8	4903
CTZC6.8A	4903
CTZC6.8B	4903
CTZC13	4919
CTZC13A	4919
CTZC13B	4919
CTZC18	4927
CTZC18A	4927
CTZC18B	4927
CTZC20	4929
CTZC20A	4929
CTZC20B	4929
CTZC27	4935
CTZC27A	4935
CTZC27B	4935
CTZC51	4951
CTZC51A	4951
CTZC51B	4951
CTZC68	4959
CTZC68A	4959
CTZC68B	4959
CTZC200	4989
CTZC200A	4989
CTZC200B	4989
CU01C	5483§
CU01D	5485§
CU01E	5485§
CU01F	5487§
CU06VC	230
CU06VD	230
CU06VE	230
CU06VF	230
CU06VG	230
CU12B	5454
CU12C	5455
CU12D	5457
CU12E	5455
CU-12E	5455
CUA709CL	909
CUA709CN	909D
CUA709CP	909
CUA741CJ	941D
CUA741CL	941
CUA741CN	941D
CUA741CP	941M
CV03B(KAG)	5402
CV03C(KAG)	5404
CV03D(KAG)	5405
CV03E(KAG)	5405
CV04B	5402
CV04C	5404
CV04D	5405
CV04E	5405
CV12B	5454
CV12C	5455
CV12D	5457
CV12E	5457
CV425	109
CV442	109
CV832	613
CV834	614
CV1620	610
CV1624	611
CV1626	612
CV1634	613
CV1638	614
CV5007	610
CV5010	611
CV5012	612
CV5022	613
CV5033	614
CV9507	129
CV10253	128
CV10440	123A
CV12253	128
CV204084	289A
CV204086	290A
CW01B(GAK)	5402
CW01C(GAK)	5404
CX0036	109
CX0037	116
CX0039	116
CX0040	116
CX0041	109
CX0042	110MP
CX0047	116
CX0048	116
CX0049	116
CX0050	135A
CX0051	140A
CX-0055	177
CX064	1311
CX-064	1311
CX-064-2	1311
CX064-2	1311
CX064(1)	1311
CX-065	1300
CX065	1300
CX065A	1300
CX-065A	1300
CX065B	1300
CX075	1301
CX-075	1301
CX075B	1301
CX-075B	1301
CX-089	1096
CX089D	1096
CX093	712*
CX-093	712*
CX093D	712*
CX-093D	712*
CX095	1308
CX095A	1308
CX095C	1308
CX-095D	1308
CX095D	1308
CX095E	1308
CX100B	1605§
CX100D	1605§
CX-110	712
CX110	712
CX130	1603
CX131	1601
CX131A	1601
CX133A	1599
CX134	1598
CX134A	1598
CX135	1596
CX136	1594
CX136A	1594
CX137A	1592
CX138	1590
CX139A	1588
CX141	1586
CX143	1582§
CX143A	1582§
CX145	1584
CX157	1312
CX-157	1312
CX-158	1313§
CX158	1313§
CX161A	1309
CX162	1310
CX-164A	1302
CX164A	1302
CX170	1303
CX172	1304
CX173	1305
CX-173	1305
CX-177	1306
CX177	1306
CX177B	1306
CX181	1307
CX-181	1307
CX555A	1411
CX556A	1416
CX556B	1416
CX557	1552§
CX557A	1552§
CX557B	1552§
CX-843	1418
CX843	1418
CX843A	1418
CX-843A	1418
CX848	1665§
CX9000	358
CX9001	116
CX20112	1860
CXA495D	129
CXA1011P	1859
CY/077-012	5405
CY/2SC536C	85
CY40	116
CY50	116
CY80	156
CY100	125
CY/BPY62-2	3032
CY/BPY62-II	3032
CY/CR02AM-6	5405
CY/CR05A-8	5405
CY/MZ209	5018A
CY/TIC46MN	5404
CY/UJA/1050G	159
CZ060	5070A
CZ062	137A
CZ-072	5015A
CZ072	5015A
CZ078	5015A
CZ-092	139A
CZ092	139A
CZ094	5018A
CZ-094	139A
CZ6.8B	5071A
CZ7.5B	138A
CZ8.2B	5072A
CZ9.1B	139A
CZ10B	140A
CZ11B	5074A
CZ12B	142A
CZ13B	143A
CZ14B	144A
CZ15B	145A
CZ16B	5075A
CZ17B	5076A
CZ18B	5077A
CZ19B	5078A
CZ20B	5079A
CZ22B	5080A
CZ24B	5081A
CZ25B	5082A
CZ27B	146A
CZ30B	5084A
CZ33B	147A
CZ-92	139A
CZ142	144A
CZ-142	144A
CZAJ-102	116
CZD010	140A
CZD010-5	140A
CZD012-5	142A
CZD014	144A
CZD014-5	144A
CZD015	145A
CZD015-5	145A
D000136	156
D000149	116
D000152	116
D000165	125
D004	116
D006	107
D008	102A
D009	229
D-00169C	109
D-00184R	177
D-00204R	109
D-00269C	109
D-00369C	138A
D-00384R	116
D-00469C	137A
D-00484R	142A
D-00569C	139A
D-00669C	109
D00D	192§
D01-100	118
D02Z6-2W	5013A
D02Z62W	5013A
D-05	116
D010	110MP
D018	102A
D018(DIODE)	177
D019	100
D020	126A
D021	102A
D024	5072A
D025	139A
D026	126A
D028	116
D029	614
D030	102A
D030(DIODE)	116
D031	102A
D031(Chan. Master)	123A
D032	109
D038	102A
D043	102A
D048	123A
D053	123A
D057	199
D058	108
D059	102A
D063(TCO)	8063
D063(Trans)	160
D069	108
D070	8070
D072	229
D073	160
D076	8076
D078	100
D079	160
D080	127
D081(TCO)	8081
D081(Trans)	127
D083	103A
D085(TCO)	8085
D085(Trans)	103A
D086	160
D087	108
D088	108
D090	8090
D093	109
D096	8096
D098	8098
D0123WX	5652
D0250	175
D0304(Diode)	156

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
D0515L	6013
D0520L	6013
D04027BC	4027B
D010045	109
D010090	519
D090052	519
D090120	116
D0300034A0	109
D0J020A90	109
D0J020A900	109
D1-2	109
D1-7	116
D1-8	139A
D1-13	147A
D1-20	177
D1-52S	116
D1A	123A
D1A(Zener)	5072A
D1AT015550	177
D1B	113A
D1C	113A
D1CA20	116(4)
D1CA20R	116(4)
D1D	125
D1E	116
D1F	506
D1F(Zener)	149A
D1G	139A
D1H	116
D1I0A243A0	177
D1I0A243AC	177
D1J	116
D1K	125
D1K20	552
D1K20H	587
D1K40	552
D1L	116
D1M	136A
D1N20	116
D1N20R	116
D1N40	116
D1N60	116
D1NK20	587◆
D1NK20H	587◆
D1NK40	552◆
D1NK40H	552◆
D1NL20	587
D1NS4	585◆
D1R5GZ61	125
D1R5GZ61FA	125
D1R20	552
D1R35	110MP
D1R38	123A
D1R39	110MP
D1R60	552
D1R80	525◆
D1R100	558
D1R150	525◆
D1S	143A
D1S34	109
D1S1553	177
D1S1554	177
D1S1555	177
D-1S2473	519
D1S2775-1	552
D-1SS133	519
D1T	144A
D1TH61	558
D1U	5072A
D1V20	116
D1V40	116
D1V60	116
D1VT001310	519
D1VT001320	519
D1VT024720	519
D1W	146A
D1Y	107
D1ZBLU	145A
D1ZRED	144A
D1ZVIO	143A
D1ZYEL	145A
D-1.5-01	116
D1.5N/200	125
D1.5N/400	125
D1.5N/600	125
D1.5N/800	125
D1.5N/1000	125
D-2	109
D2-1	116
D2-77-1	177
D2B000R2M0	570
D2B000RH10	552
D2B000RU20	552
D2B000RU30	580
D2B000SR2M	570
D2B00EU01A	552
D2B00RU1P0	552
D2BF00RU20	552
D2BF0RU4A0	580
D2BFMI15MR	116(2)
D2BFMI15MS	116(2)
D2BHR00EU2Z	552
D2BHRM11C0	125
D2BJ00RU4Z	580
D2BT-EU01A	552
D2E	147A
D2G	141A
D2G-1	141A
D2G-2	141A
D2G-3	142A
D2G-4	142A
D2H	183§
D2H(Diode)	116
D2J	116
D2L0040070	125
D2L0TVR06G	552
D2LF0GP20B	125
D2LF0P300D	156
D2LFRGP30G	580
D2LT040070	125
D2M	502
D2N	503
D2R31	109
D2R38	123A
D2S4M	586
D2SB10	166◆
D2SB20	167◆
D2SB40	168◆
D2SB60	169◆
D2SBA10	166◆
D2SBA20	167◆
D2SBA40	168◆
D2SBA60	169◆
D2X4	116
D2Y	505
D2Z	139A
D2Z-2	146A
D3	14
D3A	507
D3F	139A
D3G	178MP
D3H	511A
D3N	141A
D3N/200	5802
D3N/400	5804
D3N/600	5806
D3N/800	5808
D3R	116
D3R38	116
D3R39	116
D3S3M	586
D3S4M	586
D3SB10	5309◆
D3SB20	5309◆
D3SB40	5310◆
D3SB60	5310◆
D3SBA10	5318◆
D3SBA20	5318◆
D3SBA40	5330◆
D3SBA60	5330◆
D3U	116
D3V	116
D3W	142A
D3Y	137A
D3Z	116
D4	113A
D4C28	128
D4C29	128
D4C30	128
D4C31	128
D4D20	128
D4D21	128
D4D22	161
D4D24	123
D4D25	123
D4D26	123
D4G	502
D4H	147A
D4J	147A
D4L	125
D4LA20	597#
D4M	116
D4N	141A
D4P	144A
D4R	109
D4R26	116
D4R39	116
D4S16	312
D4SB60L-F	5319◆
D4SC6M	6086#
D5	114
D5B	145A
D5E-37	6401
D5E37	6401
D5E43	6409§
D5E-43	6409§
D5E-44	6401
D5E44	6401
D5E-45	6409§
D5E45	6409§
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D5H	552
D5J37	6409§
D5J43	6409§
D5J44	6409§
D5J45	6409§
D5KC20	6240#
D5KC20H	6240#
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D5KC20RH	6244#
D5KC40	6241#
D5LC20	6240#
D5LC40	6241#
D5LCA20	6240#
D5R35	116
D5R39	116
D5S3M	6083#
D5S4M	6083#
D5SB10	5329◆
D5SB20	5329◆
D5SB40	5330◆
D5SB60	5330◆
D5SBA10	5329◆
D5SBA20	5329◆
D5SBA40	5330◆
D5SBA60	5330◆
D5V	177
D5W	137A
D6	115
D6C	513§
D6HZ	116
D6K20	581#
D6K20H	597#
D6K40	581#
D6M	5072A
D6U	5080A
D6.2	137A
D7	115
D7A30	128
D7A31	128
D7A32	128
D7E	177
D7L	5076A
D7LCA20	6240#
D7N	614
D7S	5072A
D7Z	177
D8G	506
D8HZ	125
D8L	506
D8LC40	6241#
D8LCA20	6240#
D8LCA20R	6244#
D8M	506
D8P	143A
D8U	5073A
D9M	5073A
D9R1	139A
D10B1051	107
D10B1055	107
D10G1051	107
D10G1052	107
D10LC40	6241#
D10LCA20	6240#
D10SC3M	6085
D10SC4M	6085
D10SC6M	6086#
D11	103
D11C1B1	128
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D11C11B1	128
D11C201B20	124
D11C203B20	124
D11C205B20	124
D11C207B20	124
D11C210B20	124
D11C211B20	124
D11TMA27TB	605A
D11TMA1650	519
D12	130
D-12	177
D13	105
D13D1	6404
D13K1	6402§
D13T1	6402§
D13TDS442X	519
D13TGMA010	519
D14	106
D14T0S1980	584◆
D15	87
D15A	116
D15C	116
D15LCA20	6240#
D15T015850	177
D16	87
D16E7	123A
D16E9	123A
D16EC18	123A
D16G6	107
D16K1	107
D16K2	107
D16K3	107
D16K4	107
D16P1	172A
D16P2	172A
D16U3	113A
D16U4	113A
D17	87
D17T001320	519
D17T024720	519
D17U001310	519
D-18	139A
D18	87
D18A12	184
D18M1	1V010
D18M3	2V010
D19	101
D20	101
D21	101
D22	101
D22L1	1V014
D22L3	2V014
D23	101
D23F130TAL	125
D23FDFA05G	552
D23FDFC10E	552
D23FDFH10G	552
D23FFH10TG	552
D23GDSF10T	116
D23HDSA12T	125
D23TDF05G	552
D23TDFD05G	552
D23TDSA12T	125
D23TDSF10B	116
D23TDSF10T	116
D23TFD05TG	552
D23TFH10TG	552
D24	124
D24A3394	108
D24B	124
D24C	124
D24CK	124
D24D	124
D24E	124
D24F	124
D24F00V09G	558
D24K	124
D24K1	1V015
D24K4	2V015
D24KC	124
D24KD	124
D24KE	124
D24Y	124
D24YB	124
D24YD	124
D24YE	124
D24YF	124
D24YK	124
D24YLC	124
D24YLD	124
D24YS	124
D25	116
D25/100	580
D25/200	580
D25/400	580
D25A	116
D25B	116
D25C	116
D25F1D4B10	5304
D25T5566B0	116
D26	87
D26A	87
D26B	87
D26B1	107
D26B2	107
D26C	87
D26C1	107
D26C2	107
D26C3	107
D26E2	107
D26G1	107
D27C1	152
D27C2	152
D27C3	152
D27C4	152
D27L1	1V017
D27L4	2V017
D28	116
D28-04	580
D28-06	580
D28-08	506
D28A0-P04Q0	6085#
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D28A2	152
D28A3	152
D28A4	152
D28A5	152
D28A6	152
D28A7	152
D28A9	152
D28A10	152
D28A12	152
D28A13	152
D28B	171
D28D1	152
D28D2	152
D28D3	152
D28D4	152
D28D5	152
D28D7	152
D28D10	152
D28F00BB4C	552
D28F00BB40	552
D28F00SR2M	570
D28F010D10	116
D28F30DF20	156
D28F300F60	580
D28G10E100	125
D28H20E100	125
D28L30DF20	580
D28T011E10	116
D28T011E20	116
D28T011ES1	116
D28T0ELS40	552
D28T10E100	125
D28T10ELS6	552
D29	175
D29-02	580
D29-04	580
D29-04H2	580
D29-06	580
D29-08	515
D29-08(Diode)	506
D29A4	159
D29A5	159
D29A6	159
D29A9	159
D29E1	159
D29E1J1(BCE)	193
D29E2	159
D29E2J1(BCE)	193
D29E4	159
D29E4J1(BCE)	193
D29E5	159
D29E5J1(BCE)	193
D29E6	159
D29E6J1(BCE)	193
D29E7	159
D29E7J1(BCE)	193
D29E8	159
D29E9	298
D29E9J1(BCE)	193
D29E10	298
D29E10J1(BCE)	193
D30	6408
D30-0	103A
D30(Diac)	6408
D30(Diode)	116
D30(Transistor)	103A
D30A1	159
D30A2	159
D30A3	159
D30A4	159
D30A5	159
D30G	103A
D30H	103
D30-N	103A
D31	103A
D31D	103A
D32(Diac)	6408
D32(Transistor)	103A
D33	103A
D33C	103A
D33D21	297
D33D21J1	192A§
D33D22	297
D33D22J1	192A§
D33D24	297
D33D24J1	192§
D33D25	297
D33D25J1	192A§
D33D26	297
D33D26J1	192A§
D33D27	297
D33D27J1	192A§
D33D28	123A
D33D29	297
D33D29J1	192A§
D33D30	297
D33D30J1	192A§
D33D34J1	192A§
D33K1	1V020
D33K5	2V020
D34	103A
D35	103A
D36	103A
D37	103A
D37A	103A
D37B	103A
D37C	103A
D38	103A
D38-04	576
D38-05	577
D38-06	577
D38H1	123AP
D38H2	123AP
D38H3	123AP
D38H4	194
D38H5	194
D38H6	194
D38H7	194
D38H8	194
D38H9	194
D38L1	46
D38L2	46
D38L3	46
D38L4	46
D38L5	46
D38L6	46
D38S1	123AP
D38S5	123AP
D38S8	123AP
D38S9	123AP
D38V1	287
D38V2	287
D38V3	287
D38W7	194
D38W8	194
D38W12	194
D39J1	159
D39J2	159
D39J3	159
D39J4	159
D39J5	159
D39J6	159
D39J7	383
D39J8	383
D39J9	383
D39K1	1V025
D39K6	2V025
D39V1	288
D39V2	288
D39V3	288
D40C1	265
D40C1U	265
D40C2	266
D40C3	267
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D40C5	266
D40C7	265
D40C8	266
D40D1	210
D40D2	210
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D40D7	210
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D40D10	210
D40D11	210
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D40E5	49
D40E7	49
D40K1	268
D40K2	268
D40K3	268
D40K4	268
D40N1	171
D40N2	171
D40N3	171
D40N4	171
D40P1	171
D40P2	171
D40P3	171
D40P5	171
D40V1	171
D40V2	171
D40V3	171
D40V4	171
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D41D1	211
D41D2	211
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D41D7	211
D41D8	211
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D41D11	211
D41D13	211
D41D14	211
D41E1	50
D41E5	50
D41E7	50
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D41K2	269
D41K3	269
D41K4	269
D42C1	186
D42C2	186
D42C3	186
D42C4	186
D42C5	186
D42C6	186
D42C7	186
D42C8	186◆
D42C9	186
D42C10	80§
D42C12	80§
D42D1	261◆
D43	103A
D43A	103A
D43C1	187
D43C2	187
D43C3	187
D43C4	187
D43C5	187
D43C6	187
D43C7	187
D43C8	187◆
D43C9	187
D43D1	262◆
D44	103A
D44C1	377
D44C2	377
D44C3	377
D44C4	377
D44C5	377
D44C6	377
D44C7	377
D44C8	377
D44C8B	377
D44C9	377
D44C10	377
D44C11	377
D44C12	377
D44C88	186
D44CBB	377
D44D1	261
D44D2	261
D44D3	261
D44D4	261
D44D5	261
D44D6	261
D44E1	263
D44E2	263
D44E3	263
D44H1	377
D44H2	377
D44H3	377
D44H4	377
D44H5	377
D44H6	377
D44H7	377
D44H8	377
D44H10	377
D44H11	377
D44Q1	51
D44Q2	51
D44Q3	51
D44Q4	51
D44Q5	51
D44Q6	51
D44R1	198
D44R2	198
D44R3	198
D44R4	198
D44R5	198
D44R6	198
D44T1	51
D44T2	51
D44T3	51
D44T4	51
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D44T6	51
D44T7	51
D44T8	51
D44TD3	51
D44TD4	51
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D44TE5	379
D44TQ1	379
D44TQ2	379
D44U1	51
D44U2	51
D44U3	51
D44U4	51
D44U5	51
D44U6	51
D44VM1	377
D44VM4	377
D44VM7	377
D44VM10	377
D45	162
D45C	116
D45C1	378
D45C2	378
D45C3	378
D45C4	378
D45C5	378
D45C6	378
D45C7	378
D45C8	378
D45C9	378
D45C10	378
D45C11	378
D45C12	378
D45CZ	116
D45D1	262
D45D2	262
D45D3	262
D45D4	262
D45D5	262
D45D6	262
D45E1	264
D45E2	264
D45E3	264
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D45H6	378
D45H7	378
D45H8	332
D45H9	378
D45H10	378
D45H11	378
D45H12	378
D45VM1	378
D45VM4	378
D45VM7	378
D45VM10	378
D46	162
D46TQ1	2311
D46TQ2	2311
D47	328
D47K1	1V030
D47K7	2V030
D48	116
D49	291
D50	87
D51	87
D51A	87
D52	87
D52A	87
D53	87
D53A	87
D54A7D	2326#
D54FY7D	2326#
D55	181
D55A	181
D56	277§
D56K2	1V035
D56K8	2V035
D56W1	165
D56W2	165
D57	175
D58	175
D59	162
D60	162
D61	103A
D62	103A
D63	103A
D64	103A
D64DS5	98
D64DS6	98
D64DS7	98
D64DV5	99
D64ES5	98
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D64ES7	98
D64EV5	99
D64VE3	385
D64VE4	385
D64VP3	385
D64VP4	385
D64VP5	386
D64VS3	386
D64VS4	386
D64VS5	386
D65	126A
D65-1	103A
D65C	116
D66	126A
D67	280
D67B	280
D67C	280
D67D	280
D67E	280
D68	130
D68K2	1V040
D68K10	2V040
D69	130
D70	175
D70G.05T1	2430
D70G.05T1A1	2430
D70G.05T1A2	2430
D70Y.8T1	2428
D70Y.8T1A3	2428
D71	175
D71G.05T1	2431
D71G.05T1B2	2431
D71L	175
D71Y.8T1	2429
D71Y.8T1B3	2429
D72	103A
D72-2C	103A
D72-3C	103A
D72-4C	103A
D72A	103A
D72B	103A
D72C	103A
D72RE	103A
D73	87
D73(Korea)	331
D73(Plastic)	331
D73A	87
D73B	87
D73C	87
D73D	280
D73E	87
D73-O(Korea)	331
D73-O(Plastic)	331
D73R(Korea)	331
D73R(Plastic)	331
D74	87
D74A	87
D74B	87
D74C	87
D74D	87
D74E	87
D74LS01ST	74LS01
D75	103A
D75A	103A
D75AH	103A
D75B	103A
D75C	103A
D75H	103A
D77(Diode)	177
D77(Transistor)	103A
D77A	103A
D77AH	103A
D77B	103A
D77C	103A
D77D	103A
D77H	103A
D77P	103A
D78(Trans)	2347
D78A(Trans)	2347
D78B(Trans)	2347
D78C(Trans)	2347
D78D(Trans)	2347
D79(Trans)	2347/427
D79A	2347/427
D79B	2347/427
D79C	2347/427
D79D	2347/427
D80	87
D81	87
D82	87
D82K2	1V050
D83	87
D84	87
D84BK2	2382◆
D84BL2	2382◆
D84CK2	2382◆
D84CL2	2382◆
D84CM2	2388◆
D84CN2	2388◆
D84DK2	2382◆
D84DL2	2382◆
D84K12	2V050
D85C	125
D86DR1	2386
D86DR2	2386
D88	87
D88A	87
D90	152
D91	152
D91F	152
D92	291
D92D	291
D92F13R6B0	134A
D92T05R1B2	5010A
D92T05R6B2	5011A
D92T06R2B2	5013A
D92T06R2B3	5013
D92T06R8B2	5013
D92T09R1B2	5013

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
D92T0110B2	5020A
D92T0110B3	5020A
D92T0120B2	5021A
D92T0130B0	5022A
D92T0150B1	5023A
D92T0200B2	5028A
D92T0270B2	5033A
D92T0270B3	5033A
D92T0300B4	5035A
D92T0360B0	5037A
D92UA3600B	5037A
D93	375
D93T03R30Y	5005A
D93T04R30Y	5008A
D93T04R70X	5009A
D93T05R10X	5010T1
D93T05R10Y	5010T1
D93T05R60Y	5011A
D93T05R100	5010T1
D93T06R20Y	5013T1
D93T06R20Z	5013T1
D93T06R80Y	5014A
D93T06R200	5013T1
D93T07R50Z	5015A
D93T08R20X	5016A
D93T09R10Y	5018A
D93T01000X	5019T1
D93T01000Y	5019T1
D93T01100Y	5020A
D93T01200Y	5021T1
D93T01300X	5022A
D93T01300Y	5022A
D93T01800Y	5027A
D93T02000X	5028A
D93T02700Y	5033A
D93T03000Y	5035A
D93T03600Z	5037A
D94	375
D94TA5R1B2	5010A
D94TA5R6J2	5011T1
D94TA6R8J2	5014A
D94TA110J3	5020A
D94TA120B2	5021T1
D94TA120J2	5021T1
D94TA120J3	5021T1
D94UA6R2J2	5013T1
D96	103A
D97U05R10B	5010T1
D97U05R60B	5011A
D97U06R20B	5013A
D97U06R80B	5014A
D97U01100B	5020A
D97U01200B	5021T1
D98-1.5A	8098
D98-3A	8098
D100	116
D100A	103A
D100K3	1V060
D100K15	2V060
D101	101
D101B	102A
D102	175
D102-0	175
D102-R	175
D102-Y	175
D103-0	175
D103(TCO)	8103
D103(Trans)	175
D103-R	175
D103-Y	175
D104	103A
D105	103A
D105B	102A
D105C	125
D108(Rect)	125
D108(TCO)	8108
D110	280
D110-0	280
D110-2A	8115
D110A243A0	177
D110-R	280
D110-Y	280
D111	280
D111-0	280
D111-R	280
D111-Y	280
D113	181
D113-0	181
D113-R	181
D113-Y	181
D114	181
D114-0	181
D114-R	181
D114-Y	181
D115	8115
D116	130
D117	328
D118(TCO)	8118
D118(Trans)	280
D118BL	280
D118R	280
D118Y	280
D119	280
D119BL	280
D119R	280
D119Y	280
D120	324
D120A	324
D120B	324
D120C	324
D120H	324
D120HA	324
D120HB	324
D120HC	324
D120K1	1V075
D120K6	2V075
D121	282§
D121A	282§
D121B	282§
D121H	282§
D121HA	282§
D121HB	282§
D124	87
D124(Rect.)	116(4)
D124(Transistor)	280
D124A	87
D124AH	87
D124AHA	87
D124AHB	87
D124B	280
D125(TCO)	8125
D125(Trans)	87
D125A	87
D125AH	87
D125AHA	87
D125AHB	87
D126	87
D126-2A	8125
D126-3A	8125
D126-4A	8125
D126-5A	8125
D126A	87
D126AH	87
D126AHA	87
D126AHB	87
D126H	87
D126HA	87
D126HB	87
D126S(Trans)	87
D127	103A
D127A	103A
D128	103A
D128A	103A
D129	175
D129-BL	175
D129-R	175
D129-Y	175
D130	175
D130-2A	8125
D130-3A	8125
D130-4A	8125
D130BL	175
D130GMA010	519
D130-R	175
D130-Y	175
D133(Chan.Master)	108
D134	126A
D134(Chan. Master)	102A
D135	102A
D139	8139
D141	152
D141(Chan.Master)	108
D141H01	152
D141H9Z	152
D142	175
D142(M)	175
D142M	175
D143	175
D144	175
D144S	116
D145	175
D145-2A	8149
D145-3A	8149
D145-4A	8149
D145-5A	8149
D146	226
D146UK	130
D149(TCO)	8149
D149(Trans)	128
D150	175
D150K1	1V095
D150K8	2V095
D151	328
D152	375
D152(Chan.Master)	195A
D152(RF Pwr)	195A
D154	152
D155	175
D155H	175
D155K	175
D155L	175
D156	158
D156A	124
D156B	124
D156C	124
D156F	124
D156FA	124
D156FB	124
D156FC	124
D157	124
D157A	124
D157B	124
D157C	124
D157F	124
D157FA	124
D157FB	124
D157FC	124
D158	286
D158A	286
D158B	286
D158C	286
D158F	286
D158FA	286
D158FB	286
D158FC	286
D159	286
D159A	286
D159B	286
D159C	286
D159F	286
D159FA	286
D159FB	286
D159FC	286
D160	107
D161	328
D162	103A
D163	130
D164	130
D165	385
D166	385
D167(TCO)	8167
D167(Trans)	103A
D170	103A
D170A	103A
D170AA	103A
D170AB	103A
D170AC	103A
D170B	103A
D170BC	103A
D170C	103A
D170PB	103A
D171	283
D172	130
D172A	130
D172B	130
D172C	130
D172-F	506
D173	160
D173A	130
D173B	130
D173C	130
D174	160
D174F	130
D174FA	130
D174FB	130
D174FC	130
D175	130
D175B	130
D175F	130
D175FA	130
D175FB	130
D175FC	130
D175M	130
D176	139A
D177	328
D177M	328
D178	103A
D178A	103A
D178Q	103A
D178T	103A
D180	87
D180A	87
D180B	87
D180C	87
D180D	87
D180K	87
D180K10	2V115
D180L	87
D180M	87
D180N	87
D181(TCO)	8181
D181(Trans)	385
D181A	385
D186	103A
D186A	103A
D186B	103A
D187	103A
D187A	103A
D187R	103A
D187Y	103A
D188	87
D188A	87
D188B	87
D188C	87
D188L	280
D188M	87
D188S	280
D189	280
D189A	280
D189AO	280
D189AP	280
D189AQ	280
D189AR	280
D189O	280
D189P	280
D189Q	280
D189R	280
D190	124
D191	103A
D192	103A
D193	103A
D194	103A
D195	103A
D195A	103A
D198	94
D198A	94
D198AP	94
D198AQ	94
D198AR	94
D198H	94
D198HQ	94
D198HR	94
D198Q	94
D198R	94
D198S	94
D198V	94
D199	164
D200	389
D200-4A	389
D200A	389
D201	87
D201(0)	87
D201M	87
D201M0	87
D201M-0	87
D201MV	87
D201MY	87
D201M-Y	87
D201O	87
D201Q	87
D201Y	87
D202	87
D203	87
D204	128
D204L	128
D205	427/128
D208	284
D211	130
D211-0	130
D211M	130
D211-O	130
D211Y	130
D212	130
D213(TCO)	8213
D213(Trans)	280
D214	280
D215	128
D-215-1	519
D215F	128
D215FA	128
D215FB	128
D215FC	128
D216	128
D216F	128
D216FA	128
D216FB	128
D216FC	128
D217	87
D217E	280
D217K	280
D217L	280
D217M	280
D216	87
D218K	87
D218L	87
D218M	87
D218S	87
D219	128
D219F	427/128
D220	116
D220-1M	515
D220-1N	515
D220F	427/128
D220M	116
D221	128
D221F	427/128
D222	427/324
D223	427/324
D224	427/324
D226-0	175
D226(TCO)	8226
D226(Trans)	175
D226A	175
D226AO	175
D226AP	175
D226AQ	175
D226AR	175
D226B	175
D226BO	175
D226BP	175
D226BQ	175
D226BR	175
D226P	175
D226Q	175
D226R	175
D227	85
D227(Diode)	116
D227(Diode)(ECB)	123AP
D227(Korea)	123AP
D227A	85
D227B	85
D227C	85
D227D	85
D227E	85
D227F	85
D227G(Korea)	123AP
D227L	85
D227MP	85
D227-O(Korea)	123AP
D227Q	85
D227Q(ECB)	123AP
D227R	85
D227S	85
D227V	85
D227V(ECB)	123AP
D227W	85
D227X	85
D227Y(Korea)	123AP
D228	192AS
D228A	289A
D228B	289A
D228C	289A
D228D	289A
D228E	289A
D229V	389
D230A	552
D230DFA05G	552
D231	181
D231DFC15L	558
D232	181
D233	128
D234	152
D234-0	152
D234-O	152
D234R	152
D234-R	152
D234-Y	152
D235	152
D235-0	152
D235D	152
D235G	152
D235GR	152
D235LB	152
D235LBY	152
D235-O	152
D235O	152
D235R	152
D235-R	152
D235T	152
D235-Y	152
D235Y	235
D236(Rect.)	166
D236(Transistor)	175
D237	175
D238	175
D238F	175
D241	152
D242(TCO)	8242
D242(Trans)	196
D243	291
D246	389
D249	181
D250	181
D251	286
D254	175
D255	175
D256	152
D257	196
D-258	124
D258	291
D259	291
D261	192AS
D261(Korea)	123AP
D261A	192AS
D261B	192AS
D261C	192AS
D261D	192AS
D261E	192AS
D261F	192AS
D261G(Korea)	123AP
D261L	192AS
D261-O(Korea)	123AP
D261P	192AS
D261R	192AS
D261R(Korea)	123AP
D261S	192AS
D261V	192AS
D261W	192AS
D261Y(Korea)	123AP
D280F5KF20	597
D283	162
D284	384
D285	162
D286	109
D286D	198
D287	284
D287A	284
D287AQ	284
D287AR	284
D287AS	284
D287B	284
D287BQ	284
D287BR	284
D287BS	284
D287C	284
D287CQ	284
D287CR	284
D287CS	284
D288	196
D288(Korea)	241
D288A	196
D288B	196
D288C	196
D288K	196
D288L	196
D288M	196
D288R(Korea)	241
D289	196
D289A	196
D289B	196
D289C	196
D289K	196
D289L	196
D289M	196
D290	175
D290L	175
D291	175
D291A	175
D292	175
D292(Chan.Master)	107
D294	123A
D297	175
D299	389
D299B	238
D299SL	389
D299V	238
D300	389
D300B	389
D301	99
D308	199
D312	164
D313(Transistor)	152
D313(Zener)	135A
D313C	152
D313D	152
D313E	152
D313-E	152
D313F	152
D313HP(Trans)	152
D313HP-D(Trans)	152
D313HP-E(Trans)	152
D313M	152
D313RA(Trans)	152
D313RAD(Trans)	152
D313RAE(Trans)	152
D313Y-L	152
D314	152
D314C	152
D314D	152
D314E	152
D314F	291
D315	152
D315C	152
D315D	152
D316	280
D317	152
D317A	396
D317AO	396
D317AP	396
D317AQ	396
D317F	152
D317O	396
D317P	152
D317Q	396
D318	152
D318A	396
D318AO	396
D318AP	396
D318AQ	396
D318O	396
D318Q	396
D319	284
D319P	284
D319Q	284
D319R	284
D320	162
D320(Diode)	173BP§
D320F	173BP§
D321	283
D322	280
D322A	280
D322B	280
D322C	280
D323	280
D323A	280
D323B	280
D323C	280
D324	124
D324Q	124
D324R	124
D325	152
D325(E2)	152
D325C	152
D325D	152
D325E	152
D325E1	152
D325EZ	152
D326	277§
D327	85
D327A	85
D327B	85
D327C	85
D327D	85
D327E	85
D327F	85
D327-P	85
D327-Q	85
D327-R	85
D327-S	85
D327V	85
D327-W	85
D327Y	85
D328	123A
D328S	128
D329	396
D330	152
D330C	152
D330D	152
D330E	152
D331	152
D331C	152
D331D(Trans)	152
D331E	152
D331F	152
D332	87
D332C	280
D332D	280
D332E	280
D334	280
D334A	280
D334O	280
D334R	280
D336	297
D336R	297
D336Y	297
D340	280
D341	130
D341H	130
D342	123A
D343	152
D348	238
D350	165
D350A	165
D350Q	165
D350T	165
D351	283
D352	103A
D352A	103A
D352B	103A
D352C	103A
D352D	103A
D352E	103A
D352F	103A
D352G	103A
D352H	103A
D352I	103A
D352K	103A
D352L	103A
D352R	103A
D352S	103A
D352T	103A
D352V	103A
D353	162
D355(BCE)	293
D355C(BCE)	293
D355D(BCE)	293
D355E(BCE)	293
D356	291
D356C	291
D356D	291
D357	291
D357C	291
D357D	291
D358	291
D358C	291
D358D	291
D359	152
D359C	152
D359C2	152
D359D	152
D359D1	152
D359D2	152
D360	152
D360C	152
D360D	152
D361	152
D361C	152
D361D	152
D362N(Plastic)	54
D362R(Plastic)	54
D363(Plastic)	379
D365A	196
D365AO	196
D365AP	196
D365AQ	196
D365B	152
D365H	152
D365P	152
D366A	196
D366AO	196
D366AP	196
D366AQ	196
D366-O	152
D366P	152
D366Q	152
D367	103A
D367A	103A
D367B	103A
D367C	103A
D367D	103A
D367E	103A
D367F	103A
D367P	103A
D368	238
D369	284
D369-0	284
D369-O	284
D369-Y	284
D370	280
D371	87
D371-0	284
D371-R	284
D371-Y	284
D372BL	123A
D375	328
D376	385
D376A	385
D377	385
D379	280
D379P	280
D379Q	280
D379R	280
D379S	280
D380	165
D380A	165
D381	291
D381A	291
D381K	291
D381L	291
D381M	291
D381N	291
D382	152
D382K	291
D382L	291
D382LM	152
D382M	291
D382N	291
D383	283
D386	375
D386A	375
D386AC	375
D386AD	375
D386AE	375
D386AY	375
D386C	375
D386D	375
D386E	375
D386F	375
D386Y	375
D386Y-D	375
D386Y-E	375
D387	375
D387AC	375
D387AD	375
D387AE	375
D387AF	375
D387AS	375
D387C	375
D387D	375
D387E	375
D387F	375
D388	87
D388Q	280
D388R	280
D388S	280
D389	152
D389-0	152
D389A	196
D389AF	196
D389AF-0	196
D389AF0	152
D389AFO	196
D389AFP	152
D389AF-P	196
D389AO	196
D389AP	196
D389B	152
D389BL	152
D389BLB	152
D389BLB-0	152
D389BLB-O	152
D389BLB-OP	152
D389BLB-P	152
D389BP	152
D389BQ	152
D389LB	152
D389LBQ	152
D389-O	152
D389-OP	152
D389Q	152
D390A	196
D390AO	196
D390AP	196
D390AQ	196
D390O	196
D390Q	196
D392(BCE)	85
D392C(BCE)	85
D392D(BCE)	85
D392E(BCE)	85
D400	293
D400(Rect.)	116
D400(Transistor)	293
D400D	382
D400E	382
D400F	382
D401	375
D401(Korea)	375
D401A	375
D401AK	375
D401AL	375
D401AM(Trans)	375
D401E	375
D401EK	375
D401EX	375
D401H	375
D401I	375
D401K	375
D401L	375
D401LA	291
D401M	375
D401-O	375
D401R	375
D401R(Trans)	375
D401Y	375
D401Y(Trans)	375
D402	375
D402A	375
D402AK	375
D402AL	375
D402AM	375
D411	247
D411-1(RAM)	2107
D411-2(RAM)	2107
D411(RAM)	2107
D411A-1(RAM)	2107
D411A(RAM)	2107
D411AC-2(RAM)	2107
D411AC(RAM)	2107
D411C-1(RAM)	2107
D411C-2(RAM)	2107
D411C(RAM)	2107
D411D-1(RAM)	2107
D411D-2(RAM)	2107
D411D(RAM)	2107
D413	154
D414	373
D414Q	373
D414R	373
D414S	373
D415	373
D415(Korea)	287
D415-O(Korea)	287
D415Q	373
D415R	373
D415R(Korea)	287

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
D415S	373
D416	238
D416(RAM)	2117
D416C(RAM)	2117
D417	87
D418	165
D422	384
D423	384
D424	284
D424-0	375
D424-R	284
D425	280
D425O	280
D426	280
D426O	280
D426R	280
D427	280
D427O	280
D427R	280
D428	87
D431-F	506
D432C1	187
D437W	385
D438	382
D438D	382
D438E	382
D438F	382
D439	373
D439D	373
D439E	373
D439F	373
D458	283
D458Q	283
D458R	283
D459	263
D463	243
D467	85
D467A	85
D467AC	85
D467B	85
D467BC(Trans)	85
D467C	85
D467-C	85
D467D	85
D468	293
D468A	293
D468B	293
D468C	293
D468D	287
D469	280
D470	321
D470A	321
D471	293
D471A(Trans)	293
D471K	293
D471KA(Trans)	293
D471L	293
D471LA(Trans)	293
D471M	293
D471MA(Trans)	293
D471P(Trans)	293
D471Q(TRANS)	293
D471R(Trans)	293
D473	249
D473H	249
D476	196
D476A	196
D476AK	377
D476AKB	377
D476AKC	377
D476B	196
D476C	196
D476K	377
D476KB	377
D476KC	377
D476YL	196
D477	152
D478	375
D478-08(Trans)	375
D478B	375
D478B(Trans)	375
D478BS	375
D478C	375
D478C(Trans)	375
D478CS	375
D478D	375
D478D(Trans)	375
D478WT	375
D478Y	375
D478YL	375
D500	116
D513	152
D517	389
D519	384
D523	243
D524	249
D525	54
D525(DIODE)	177
D525-O	54
D525R	54
D525Y	54
D526	241
D526-0	241
D526-O	241
D526Y	241
D533	283
D535	388
D536	284◆
D537	284◆
D538	386
D538A	386
D541	387
D545	293
D545E	293
D545F	293
D546	369
D551	284
D551-O	284
D551-R	284
D552	388
D553(Trans)	54
D553-O(Trans)	54
D553-Y(Trans)	54
D555	87
D555Q	87
D555R	388
D555S	288
D556	284
D557	284
D558(Trans)	2351
D560(Trans)	2326
D560KB(Trans)	2326
D560LB(Trans)	2326
D560MB(Trans)	2326
D562	108
D564L	193
D564M	193
D565	97
D568	197
D568K	196
D568L	196
D568M	196
D569	196
D569K	196
D569L	196
D569M	196
D570	196
D570P	196
D570Q	196
D570R	196
D571	293
D571K	293
D571L	293
D571M	293
D575	389
D575L	389
D576	154
D577	165
D582	284
D582A	284
D586	380§
D586Q	380§
D586R	380§
D586S	380§
D587	380§
D587A	380§
D587AQ	380§
D587AR	380§
D587AS	380§
D587Q	380§
D587R	380§
D587S	380§
D588	380§
D588Q	380§
D588R	380§
D588S	380§
D591	199
D591R	199
D591S	199
D592(Trans)	293
D592A(Trans)	293
D592AQ(Trans)	293
D592AR(Trans)	293
D592NC(Trans)	85
D592Q	85
D592Q(Trans)	293
D592R(Trans)	293
D596(Trans)	2406
D596DV1(Trans)	2406
D596DV2(Trans)	2406
D596DV3(Trans)	2406
D596DV4(Trans)	2406
D596DV5(Trans)	2406
D597	87
D598	87
D599	199
D599E	199
D600	373
D600D	373
D600E	373
D600K	373
D600KD	373
D600KE	373
D601(Trans)	2408
D601A(Trans)	2408
D601AE(Trans)	2408
D601AQ(Trans)	2408
D601AQRW(Trans)	2408
D601AQW(Trans)	2408
D601AR(Trans)	2408
D601AS(Trans)	2408
D601ATW(Trans)	2408
D601Q(Trans)	2408
D601R(Trans)	2408
D601S(Trans)	2408
D602(Trans)	2406
D602A(Trans)	2406
D602AQ(Trans)	2406
D602AR(Trans)	2406
D602AS(Trans)	2406
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D657	162
D658	165
D658H	165
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D704E	377
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D718-R	36
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D728R	392◆
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D745S	92
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D762AQ(Trans)	196
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D762Q(Trans)	152
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D797-Y	387◆
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D880-Y(Trans)	152
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D892R(ECB)	46
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D893P(ECB)	48◆
D893Q(ECB)	48◆
D893R(ECB)	48◆
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D904P(Trans)	89
D905	238
D907(Trans)	36
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D916(Trans)	261
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D959Q(Trans)	54
D959R(Trans)	54
D960(TRANS)	54
D960Q(Trans)	54
D961(TRANS)	54
D961Q(Trans)	54
D961R(Trans)	54
D965Q	11
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D968A(Trans)	24
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D968Q(Trans)	2430
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D973AQ	22
D973AR	22
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D973R	20
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D976	379
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D979(Trans)	2316#
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D993A(Trans)	89
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D1012F(Trans)	382◆
D1012G(Trans)	289A◆
D1016(Trans)	89
D1017(TRANS)	394
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D1020(Trans)	293◆
D1020E(Trans)	293◆
D1020F(Trans)	293◆
D1020H(Trans)	293◆
D1020J(Trans)	293◆
D1020M(Trans)	293◆
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D1021F(Trans)	293◆
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D1021J(Trans)	293◆
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D1044(Trans)	270
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D1044Q(Trans)	270
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D1051Q(Trans)	20◆
D1051R(Trans)	20◆
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D1062R(TRANS)	377
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D1063R(Trans)	2304
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D1105(Trans)	388
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D1148R(Trans)	36
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D1154R(Trans)	283
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D1163A(Trans)	379
D1168	165
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D1176(Trans)	261
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D1176Q(Trans)	261
D1176R(Trans)	261
D1180	456
D1183(Trans)	238
D1184(Trans)	238
D1185(Trans)	238
D1186(Trans)	238
D1189(Trans)	184#
D1189P	184#
D1190(Trans)	263
D1191(Trans)	263
D1192(Trans)	263
D1194(Trans)	261
D1195(Trans)	261
D1196(Trans)	263
D1197(Trans)	270#
D1199	16
D1199R	16
D1200	184#
D1200P	184#
D1201	53
D1201(MOV)	1V075
D1201A	125
D1201B	125
D1201D	125
D1201F	116
D1201M	125
D1201N	125
D1201P	125
D1202(TRANS)	53
D1203(TRANS)	53
D1204(TRANS)	53
D1206(Trans)	16◆
D1206P	16◆
D1206Q	16◆
D1206R	16◆
D1206S	16◆
D1207(Trans)	2363
D1207R(Trans)	2363
D1207S(Trans)	2363
D1207T(Trans)	2363
D1208(Trans)	2335◆
D1209(Trans)	2341
D1209K(Trans)	2341
D1211(Trans)	31
D1211Q(Trans)	31
D1211R(Trans)	31
D1213	392#
D1213-Q	392#
D1213-R	392#
D1217(Trans)	2332
D1217P(Trans)	2332
D1217Q(Trans)	2332
D1217R(Trans)	2332
D1218(Trans)	2334
D1218P(Trans)	2334
D1218Q(Trans)	2334
D1218R(Trans)	2334
D1219(Trans)	2336◆
D1219P(Trans)	2336◆
D1219Q(Trans)	2336◆
D1219R(Trans)	2336◆
D1222(Trans)	2351
D1223(Trans)	2351
D1224(Trans)	2351◆
D1225M	20
D1225MP	20
D1225MQ	20
D1225MR	20
D1226M	18
D1226MLQ	18
D1226MQ	18
D1226MR	18
D1227M	20
D1227MLQ	20
D1227MP	20
D1227MQ	20
D1227MR	20
D1228M	18
D1228MP	18
D1228MQ	18
D1228MR	18
D1229	214
D1229-Y	214
D1230	215
D1230-Y	215
D1231(Trans)	249
D1232(Trans)	249
D1233(Trans)	249
D1235(TRANS)	54
D1235Q(Trans)	54
D1235R(Trans)	54
D1235S(Trans)	54
D1236(TRANS)	54
D1236L(Trans)	54
D1236Q(Trans)	54
D1236R(Trans)	54
D1236S(Trans)	54
D1237(TRANS)	54
D1237L(Trans)	54
D1237Q(Trans)	54
D1237R(Trans)	54
D1237S(Trans)	54
D1241	390#
D1242	390#
D1243	36
D1244	11
D1246	11
D1246R	11
D1246S	11
D1246T	11
D1246U(Trans)	11
D1248(Trans)	2343
D1248K(Trans)	2343
D1260(Trans)	253◆
D1260A(Trans)	253◆
D1260AR(Trans)	253◆
D1260R(Trans)	253◆
D1261(Trans)	253◆
D1261A(Trans)	253◆
D1261AR(Trans)	253◆
D1261R(Trans)	253◆
D1263(Trans)	198#
D1263A	198#
D1263AQ	198#
D1263AR	198#
D1263Q	198#
D1263R	198#
D1264(Trans)	375#
D1264AP(Trans)	375#
D1264APLB(Trans)	375#
D1264LBP(Trans)	375#
D1264P	375#
D1264PLB(Trans)	375#
D1264Q	375#
D1265(Trans)	377#
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D1265A-O	377#
D1265AP	377#
D1265AQ	377#
D1265LB	377#
D1265LB-O(Trans)	377#
D1265LB-P(Trans)	377#
D1265-O	377#
D1265-OLB(Trans)	377#
D1265-OP(Trans)	377#
D1265-OPQ(Trans)	377#
D1265P	377#
D1265Q	377#
D1265-R(Trans)	377#
D1266	377#
D1266A	377#
D1266AQ	377#
D1266AR	377#
D1266LB(Trans)	377#
D1266LBQ(Trans)	377#
D1266P(Trans)	377#
D1266PQ(Trans)	377#
D1266Q	377#
D1266R	377#
D1267	377#
D1267A	377#
D1267AP(Trans)	377#
D1267APQ(Trans)	377#
D1267AQ	377#
D1267AR	377#
D1267Q	377#
D1267R	377#
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D1268Q	54#
D1268R	54#
D1269	54#
D1269Q	54#
D1269R	54#
D1270	54#
D1270Q	54#
D1270R	54#
D1271	54#
D1271A	54#
D1271AQ	54#
D1271AR	54#
D1271BP(Trans)	54#
D1271Q	54#
D1271R	54#
D1273	56#
D1273A	56#
D1273AQ	56#
D1273AP	56#
D1273AQ	56#
D1273LB-P(Trans)	56#
D1273P	56#
D1273Q	56#
D1274	54#
D1275(Trans)	261#
D1275A(TRANS)	261#
D1275AP(TRANS)	261#
D1275AQ(TRANS)	261#
D1275AR(TRANS)	261#
D1275P(TRANS)	261#
D1275Q(TRANS)	261#
D1275R(TRANS)	261#
D1276(TRANS)	261#
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D1276A(Trans)	261#
D1276A(TRANS)	261#
D1276AP(TRANS)	261#
D1276AQ(TRANS)	261#
D1276AR(TRANS)	261#
D1276AQ(Trans)	261#
D1276AR(Trans)	261#
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D1276Q(Trans)	261#
D1276Q(TRANS)	261#
D1276R(TRANS)	261#
D1276R(Trans)	261#
D1277(TRANS)	261#
D1277A(Trans)	261#
D1277AP(TRANS)	261#
D1277AQ(TRANS)	261#
D1277AR(TRANS)	261#
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D1277BP(Trans)	261#
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D1277R(TRANS)	261#
D1280(Trans)	2428
D1280Q(Trans)	2428
D1280R(Trans)	2428
D1280S(Trans)	2428
D1287(Trans)	99
D1288(Trans)	36
D1288R(Trans)	36
D1289(Trans)	36
D1289R(Trans)	36
D1290	2302
D1291	2302
D1292(Trans)	31
D1292P	31
D1292Q	31
D1293(Trans)	22
D1293P	22
D1293Q	22
D1293QD	22
D1293R	22
D1294(Trans)	2335
D1294-FA(Trans)	2335
D1301	312
D1302	312
D1302(Trans)	11
D1303	312
D1306(Trans)	2406
D1306D(Trans)	2406
D1308(Trans)	2326
D1308K(Trans)	2326
D1308L(Trans)	2326
D1308M(Trans)	2326
D1309(Trans)	2326
D1309K(Trans)	2326
D1309L(Trans)	2326
D1309M(Trans)	2326
D1310(Trans)	291#
D1310K(Trans)	291#
D1310L(Trans)	291#
D1310M(Trans)	291#
D1311(Trans)	291#
D1312	24
D1314	2317#
D1315(Trans)	2326◆
D1315Q(Trans)	2326◆
D1319(Trans)	2340
D1319P(Trans)	2340
D1319Q(Trans)	2340
D1319R(Trans)	2340
D1320(Trans)	2340
D1320P(Trans)	2340
D1320Q(Trans)	2340
D1320R(Trans)	2340
D1321(Trans)	2340
D1321P(Trans)	2340
D1321Q(Trans)	2340
D1321R(Trans)	2340
D1325(Trans)	2336
D1325P(Trans)	2336
D1325Q(Trans)	2336
D1326(Trans)	2336
D1326P(Trans)	2336
D1326Q(Trans)	2336
D1326R(Trans)	2336
D1327(Trans)	2336
D1327P(Trans)	2336
D1327Q(Trans)	2336
D1327R(Trans)	2336
D1328(Trans)	2406
D1328R(Trans)	2406
D1329K(Trans)	2334
D1330(Trans)	13
D1330BL	13
D1330GN	13
D1330-OR	13
D1330S	13
D1330T	13
D1332	36
D1332(Trans)	36
D1332P(Trans)	36
D1332-Q	36
D1332Q(Trans)	36
D1332-R	36
D1333	36
D1334	36
D1334-C	291
D1335	36
D1336(Trans)	2326
D1341P(Trans)	165
D1342P(Trans)	89
D1344P(Trans)	89
D1345(Trans)	377
D1351(Trans)	152
D1351-O(Trans)	152
D1351Y(Trans)	152
D1352(Trans)	291
D1352O(Trans)	291
D1352R(Trans)	291
D1353	56#
D1353-BL	56#
D1353-GR	56#
D1353-V	56#
D1354	377#
D1354-O	377#
D1354-Y	377#
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D1355-O	54#
D1355-R	54#
D1356	241#
D1356-R	241#
D1362	377◆
D1362-0	377◆
D1363	377#
D1363-O	377#
D1363-Y(Trans)	377#
D1366(Trans)	2406
D1366A(Trans)	2406
D1366AB(Trans)	2406
D1366AC(Trans)	2406
D1366AD(Trans)	2406
D1368(Trans)	2428
D1368A(Trans)	2428
D1368B(Trans)	2428
D1373	394#
D1377(Trans)	2343
D1377K(Trans)	2343
D1378	373
D1378P	373
D1378Q	373
D1379	253◆
D1380(Trans)	184
D1380P	184
D1381(Trans)	373#
D1381P	373#
D1381Q	373#
D1382(Trans)	373
D1382P	373
D1382Q	373
D1383K(Trans)	2404
D1383KA(Trans)	2404
D1383KB(Trans)	2404
D1390	2303
D1391	2324
D1392(Trans)	2334#
D1392L(Trans)	2334#
D1392M(Trans)	2334#
D1393(Trans)	2332
D1394(Trans)	2334
D1395(Trans)	2334
D1396	2302
D1397	2302
D1397-B	2302
D1398	2302
D1398S(Trans)	2302
D1398S-CA(Trans)	2302
D1399	2302
D1400	2301#
D1401	2301#
D1402	2300#
D1402(CBE)	123AP
D1402A(CBE)	123AP
D1402B(CBE)	123AP
D1402C(CBE)	123AP
D1403	2300#
D1405	56#
D1405-BL	56#
D1405-GR	56#
D1405-V	56#
D1406	377#
D1406-0	377#
D1406GR	54#
D1406Y	377#
D1406-YGR(Trans)	377#
D1407	331
D1407-0	54#
D1407-R	331#
D1407-Y	54#
D1408	291#
D1408-O	291#
D1408-R	291#
D1408-Y	54#
D1411	54#
D1411-O	54#
D1412(Trans)	377#
D1412-O(Trans)	377#
D1417DT(Trans)	2426
D1423(Trans)	2361
D1423A(Trans)	2361
D1423AR(Trans)	2361
D1423AS(Trans)	2361
D1423R(Trans)	2361
D1423S(Trans)	2361
D1425	2302#
D1426	2302#
D1427	2302#
D1427FA-1(Trans)	2302
D1427-LB	2302#
D1427-LB(Trans)	2302#
D1428	2302#
D1429	2301#
D1430	2301#
D1431	2301#
D1432	2300#
D1433	2300#
D1437(Trans)	377
D1439	2302
D1439(Trans)	2302
D1439P(Trans)	2302
D1439PLB(Trans)	2302
D1439-Q(LB)	2302
D1439Q(Trans)	2302
D1439-Q(Trans)	2302
D1439RL(Trans)	2302
D1440	2302
D1440(Trans)	2302
D1441	2302
D1441(Trans)	2302
D1442(Trans)	377
D1442A(Trans)	377
D1442AQ(Trans)	377
D1442AR(Trans)	377
D1442Q(Trans)	377
D1443(Trans)	377
D1443A(Trans)	377
D1443AQ(Trans)	377
D1443AR(Trans)	377
D1443Q(Trans)	377
D1443R(Trans)	377
D1444(Trans)	377
D1444A(Trans)	377
D1444AQ(Trans)	377
D1444AR(Trans)	377
D1444Q(Trans)	377
D1444R(Trans)	377
D1445(Trans)	377#
D1445A(Trans)	377#
D1445AQ(Trans)	377#
D1445AR(Trans)	377#
D1445Q(Trans)	377#
D1445R(Trans)	377#
D1450(Trans)	2361
D1451	2301#
D1452	2301#
D1453	2302
D1453-06(Trans)	2302
D1454	2301#
D1455	2302
D1456	2302
D1458(Trans)	2505
D1459(Trans)	375◆
D1459Q(Trans)	375◆
D1459R(Trans)	375◆
D1468(Trans)	11
D1468-S(Trans)	11
D1469(Trans)	20
D1471(Trans)	2426
D1475(Trans)	377#
D1475Q(Trans)	377#
D1475R(Trans)	377#
D1476(Trans)	377
D1476Q(Trans)	377
D1476R(Trans)	377
D1478(Trans)	2404
D1479	2301#
D1480(Trans)	377#
D1480Q(Trans)	377#
D1480R(Trans)	377#
D1481(Trans)	2332
D1484K(Trans)	2410
D1485(Trans)	36
D1485Q(Trans)	36
D1485R(Trans)	36
D1486(Trans)	36
D1486Q(Trans)	36
D1486R(Trans)	36
D1487(Trans)	36
D1487Q(Trans)	36
D1487R(Trans)	36
D1488(Trans)	36
D1488Q(Trans)	36
D1488R(Trans)	36
D1489B(Trans)	11
D1489C(Trans)	11
D1489D(Trans)	11
D1490B(Trans)	382
D1490C(Trans)	382
D1491(Trans)	2338
D1491K(Trans)	2338
D1491L(Trans)	2338
D1491M(Trans)	2338
D1492	2301#
D1493	2301#
D1494	2301#
D1495	2301#
D1496	2301#
D1497	2300#
D1497-06(Trans)	2300#
D1498	2300#
D1499(Trans)	54#
D1499P(Trans)	54#
D1499Q(Trans)	54#
D1499R(Trans)	54#
D1501(MOV)	1V095
D1503	2309
D1505(Trans)	377
D1506(Trans)	184
D1509(Trans)	2351◆
D1510(Trans)	261#
D1510(TRANS)	261#
D1510P(TRANS)	261#
D1510Q(TRANS)	261#
D1510Q(Trans)	261#
D1510R(TRANS)	261#
D1510R(Trans)	261#
D1513(Trans)	11
D1513Q(Trans)	11
D1513R(Trans)	11
D1518	2310#
D1520L	2351◆
D1520S	2351◆
D1521(Trans)	2338
D1522	2316#
D1523	2317#
D1524	2316#
D1531(Trans)	186A◆
D1531P(Trans)	186A◆
D1531Q(Trans)	186A◆
D1531R(Trans)	186A◆
D1539(Trans)	377#
D1539A(Trans)	377#
D1539AR(Trans)	377#
D1539R(Trans)	377#
D1541(Trans)	2302
D1542	2301#
D1543	2301#
D1544	2301#
D1545	2301#
D1546	2300#
D1547	2300#
D1548(Trans)	2354
D1549	2310#
D1550	2311#
D1551	2301#
D1552	2301#
D1553(Trans)	2331
D1554(Trans)	2331
D1555	2331
D1556	2331
D1556-LB(Trans)	2331
D1558(Trans)	263◆
D1562(Trans)	375
D1562A(Trans)	375
D1563(Trans)	373
D1563A(Trans)	373
D1565(Trans)	261◆
D1571(Trans)	2339
D1572(Trans)	263◆
D1575(Trans)	2303#
D1576(Trans)	2301#
D1577PH	2300#
D1580(Trans)	377
D1581(Trans)	2504◆
D1581K(Trans)	2504◆
D1581L(Trans)	2504◆
D1581M(Trans)	2504◆
D1585(Trans)	291#
D1585-K(Trans)	291#
D1586(Trans)	291#
D1586L(Trans)	291#
D1586M(Trans)	291#
D1587(Trans)	375#
D1587K(Trans)	375#
D1587L(Trans)	375#
D1587M(Trans)	374#
D1589(Trans)	2326#
D1589L(Trans)	2326#
D1589M(Trans)	2326#
D1590(Trans)	2326#
D1590L(Trans)	2326#
D1590M(Trans)	2326#
D1599(Trans)	263◆
D1600(Trans)	263◆
D1601(Trans)	263
D1602(CBE)	159
D1602(Trans)	263
D1602A(CBE)	159
D1602B(CBE)	159
D1602C(CBE)	159
D1602D(CBE)	159
D1603(Trans)	263
D1604(Trans)	263
D1605(Trans)	2343
D1606(Trans)	2343
D1608(Trans)	2343#
D1609(Trans)	373
D1615(Trans)	2428
D1615A(Trans)	2428
D1615AGP(Trans)	2428
D1615AGQ(Trans)	2428
D1615GK(Trans)	2428
D1615GL(Trans)	2428
D1615GM(Trans)	2428
D1616(Trans)	382
D1616A(Trans)	382
D1616AK(Trans)	382
D1616AL(Trans)	382
D1616K(Trans)	382
D1616L(Trans)	382
D1617(Trans)	11◆
D1617K(Trans)	11◆
D1617L(Trans)	11◆
D1618(Trans)	2428
D1618S(Trans)	2428
D1618T(Trans)	2428
D1619(Trans)	2428
D1619S(Trans)	2428
D1619T(Trans)	2428
D1622(Trans)	2428◆
D1629(Trans)	2338
D1630(Trans)	2338
D1630L(Trans)	2338
D1630M(Trans)	2338
D1633(Trans)	2326
D1633P(Trans)	2326
D1633Q(Trans)	2326
D1634(Trans)	2326
D1634P(Trans)	2326
D1634Q(Trans)	2326
D1637(Trans)	2338
D1641(Trans)	2330
D1645(Trans)	2338
D1645Q(Trans)	2338
D1645R(Trans)	2338
D1646(Trans)	261
D1647(Trans)	2332
D1647C3(Trans)	2332
D1649(Trans)	2331
D1649-CA(Trans)	2331
D1650(Trans)	2331
D1651(Trans)	2331
D1651-KR(Trans)	2331
D1652(Trans)	2331
D1653(Trans)	2324#
D1654(Trans)	2324#
D1655(Trans)	2324#
D1656(Trans)	2324#
D1658(Trans)	2336#
D1663(Trans)	2324#
D1666	108
D1666(Trans)	377#
D1666Q(Trans)	377#
D1667(Trans)	377#
D1667Q(Trans)	377#
D1668(Trans)	377#
D1668Q(Trans)	377#
D1677(Trans)	2324
D1680(Trans)	2310#
D1681(Trans)	373#
D1681Q(Trans)	373#
D1681R(Trans)	373#
D1684(Trans)	373#
D1684R(Trans)	373#
D1684S(Trans)	373#
D1694(Trans)	2504
D1702(CBE)	123AP

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
D1702K(CBE)	123AP
D1702L(CBE)	123AP
D1702M(CBE)	123AP
D1705(Trans)	36#
D1705Q(Trans)	36#
D1705R(Trans)	36#
D1706(Audio)	2305#
D1706R(Audio)	2305#
D1709(Trans)	2302
D1710(Trans)	2324#
D1711(Trans)	2331
D1716F(Trans)	291#
D1717(Trans)	2328
D1717-P(Trans)	2328
D1717-Q(Trans)	2328
D1717-S(Trans)	2328
D1718(Trans)	2328
D1718-P(Trans)	2328
D1718-Q(Trans)	2328
D1718-S(Trans)	2328
D1720	610
D1720(Trans)	152
D1724	611
D1726	612
D1727(Trans)	2302
D1728(Trans)	2302
D1729(Trans)	2302
D1730(Trans)	2302
D1731(Trans)	2302
D1732(Trans)	2318
D1734	613
D1734(Trans)	2303#
D1735(Trans)	2324#
D1736(Trans)	2324#
D1737(Trans)	2324#
D1738	614
D1738(Trans)	2324#
D1739(Trans)	2324#
D1748(Trans)	2351
D1748A(Trans)	2351
D1749(Trans)	2351
D1749A(Trans)	2351
D1761(Trans)	291#
D1761F(Trans)	291#
D1762(Trans)	377#
D1763(Trans)	375#
D1763A(Trans)	375#
D1764(Trans)	2332#
D1767(Trans)	2428
D1769(Trans)	2343
D1770(Trans)	375
D1770P(Trans)	375
D1770Q(Trans)	375
D1772(Trans)	375#
D1772P(Trans)	375#
D1772Q(Trans)	375#
D1773(Trans)	2343#
D1774(Trans)	56
D1774A(Trans)	56
D1774AP(Trans)	56
D1774AQ(Trans)	56
D1774P(Trans)	56
D1774Q(Trans)	56
D1776(Trans)	56#
D1776A(Trans)	56#
D1776AP(Trans)	56#
D1776AQ(Trans)	56#
D1776P(Trans)	56#
D1776Q(Trans)	56#
D1778(Trans)	152
D1778A(Trans)	377
D1781K(Trans)	2406
D1782K(Trans)	2410
D1783	2334
D1783L(Trans)	2334
D1785(Trans)	2343#
D1788(Trans)	2326◆
D1790(Trans)	2334#
D1791(Trans)	270#
D1793(Trans)	270#
D1795(Trans)	2316#
D1796(Trans)	2336
D1797(Trans)	261#
D1801(MOV)	1V115
D1802(CBE)	159
D1802K(CBE)	159
D1802L(CBE)	159
D1802M(CBE)	159
D1809(Trans)	253◆
D1812P(Trans)	31◆
D1812Q(Trans)	31◆
D1818(Trans)	184
D1818M(Trans)	184
D1819(Trans)	2408
D1819A(Trans)	2408
D1819AQ(Trans)	2408
D1819Q(Trans)	2408
D1820(Trans)	2406
D1820A(Trans)	2406
D1826(Trans)	2326
D1829(Trans)	2343#
D1830(Trans)	2343#
D1832(Trans)	152#
D1833(Trans)	152#
D1836(Trans)	2336
D1837(Trans)	2336
D1838(Trans)	2336
D1843(Trans)	2338◆
D1843L(Trans)	2338◆
D1843M(Trans)	2338◆
D1843T(Trans)	2338◆
D1844(Trans)	2331
D1845(Trans)	2331
D1846(Trans)	2331
D1847(Trans)	2302◆
D1848(Trans)	2302◆
D1849(Trans)	2353◆
D1850(Trans)	2324#
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D1855A(Trans)	377#
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D1858(Trans)	20
D1859(Trans)	18
D1860(Trans)	18
D1862(Trans)	20
D1863(Trans)	22
D1865(Trans)	20
D1876(Trans)	2331
D1877(Trans)	2331
D1878(Trans)	2331
D1878-CA(Trans)	2331
D1879(Trans)	2331
D1880(Trans)	2353
D1881(Trans)	2353
D1882(Trans)	2324#
D1883(Trans)	2324#
D1884(Trans)	2324#
D1885(Trans)	2324#
D1886(Trans)	2324#
D1886CA(Trans)	2324#
D1887(Trans)	2354#
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D1889(Trans)	2343#
D1890(Trans)	2326
D1891(Trans)	2326
D1892(Trans)	2326
D1896(Trans)	54
D1897(Trans)	54#
D1910(Trans)	2302
D1911(Trans)	2302
D1912(Trans)	377
D1913(Trans)	152#
D1913-Q(Trans)	152#
D1913Q(Trans)	152#
D1913R(Trans)	152#
D1919(Trans)	20
D1920(Trans)	20
D1929(Trans)	2338◆
D1929Q(Trans)	2338◆
D1931(Trans)	2338◆
D1932(Trans)	261
D1933(Trans)	261#
D1937C(IC)	1759◆
D1940(Trans)	54#
D1940D(Trans)	54#
D1940E(Trans)	54#
D1941(Trans)	2300#
D1943(Trans)	56
D1944(Trans)	56#
D1956(Trans)	54
D1957(Trans)	54#
D1959(Trans)	2343#
D1968(Trans)	184#
D1971(Trans)	2327
D1975(Trans)	2328
D1975P(Trans)	2328
D1975Q(Trans)	2328
D1975S(Trans)	2328
D1984(Trans)	2503
D1985(Trans)	377#
D1985A(Trans)	377#
D1985AQ(Trans)	377#
D1985AR(Trans)	377#
D1985Q(Trans)	377#
D1985R(Trans)	377#
D1986(Trans)	261
D1986C(IC)	1758
D1986JC(IC)	1758
D1987(Trans)	261#
D1987C(IC)	1759
D1987JE(IC)	1759
D1990(Trans)	377
D1990Q(Trans)	377
D1990R(Trans)	377
D2000(Trans)	377#
D2000Q(Trans)	377#
D2000R(Trans)	377#
D2005(Trans)	24
D2006(Trans)	24
D2008(Trans)	24
D2009(Trans)	253◆
D2010(ECB)	2340◆
D2010(Trans)	2338◆
D2012(Trans)	54#
D2014(Trans)	2326
D2015(Trans)	2326
D2015L	6013
D2020L	6013
D2023(Trans)	152
D2023E(Trans)	152
D2024(Trans)	261
D2025(Trans)	261#
D2029(Trans)	2328
D2029P(Trans)	2328
D2029Q(Trans)	2328
D2029S(Trans)	2328
D2032(Trans)	261◆
D2033(Trans)	375◆
D2033A(Trans)	375◆
D2035(Trans)	152◆
D2036(Trans)	152◆
D2037(Trans)	377◆
D2038(Trans)	152◆
D2039(Trans)	261◆
D2040(Trans)	54◆
D2041(Trans)	2332◆
D2042(Trans)	2336◆
D2043(Trans)	2343◆
D2044(Trans)	56◆
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D2053Q(Trans)	36
D2053S(Trans)	36
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D2065Q(Trans)	36#
D2065S(Trans)	36#
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D2066Q(Trans)	36
D2066S(Trans)	36
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D2089(Trans)	2331
D2094(Trans)	2343#
D2095(Trans)	2331
D2096(Trans)	152◆
D2096EF(Trans)	152◆
D2096F(Trans)	152◆
D2101S	515
D2102S	515
D2103S	515
D2103SF	515
D2107A-1(RAM)	2107
D2107A-4(RAM)	2107
D2107A-5(RAM)	2107
D2107A(RAM)	2107
D2107B-1(RAM)	2107
D2107B-2(RAM)	2107
D2107B-4(RAM)	2107
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D2107C-2(RAM)	2107
D2107C-4(RAM)	2107
D2107C(RAM)	2107
D2114L-1(RAM)	2114
D2114L(RAM)	2114
D2114LC-1(RAM)	2114
D2114LC(RAM)	2114
D2125(Trans)	2331
D2128-15	2128
D2128-20	2128
D2128(RAM)	2128
D2129(Trans)	261#
D2131(Trans)	2334#
D2132(Trans)	2503
D2140(Trans)	36
D2140P(Trans)	36
D2140Q(Trans)	36
D2140S(Trans)	36
D2148(Trans)	2324#
D2152(Trans)	11
D2155(Trans)	2328
D2156AP(Trans)	56
D2156AQ(Trans)	56
D2156P(Trans)	56
D2156Q(Trans)	56
D2157(Trans)	261#
D2157A(Trans)	261#
D2157AQ(Trans)	261#
D2157AR(Trans)	261#
D2157Q(Trans)	261#
D2157R(Trans)	261#
D2158(Trans)	56#
D2158A(Trans)	56#
D2158AP(Trans)	56#
D2158AQ(Trans)	56#
D2158P(Trans)	56#
D2158Q(Trans)	56#
D2164-20	2164
D2164-25	2164
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D2164A-20	2164
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D2201A	515
D2201B	515
D2201D	515
D2201F	515
D2201M	515
D2201N	515
D2241(Trans)	261◆
D2251(Trans)	2353
D2252(Trans)	2354#
D2257(Trans)	261◆
D2259(Trans)	2505
D2306(Trans)	261◆
D2307(Trans)	261◆
D2308(Trans)	253◆
D2309(Trans)	253◆
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D2333(Trans)	2331
D2334(Trans)	2301#
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D2373(Trans)	2365#
D2406(Trans)	241#
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D2406B	5818
D2406C	5820
D2406D	5820
D2406F	5818
D2406M	5822
D2412A	5818
D2412B	5818
D2412C	5820
D2412D	5820
D2412F	5818
D2412M	5822
D2520A	6006
D2520B	6006
D2520C	6008
D2520D	6008
D2520F	6006
D2520M	6010
D2540A	6006
D2540B	6006
D2540D	6008
D2540F	6006
D2540M	6010
D2600EF	116
D2600F	515
D2600M	515
D2601DF	515
D2601E	515
D2601EF	515
D2601M	515
D2708	2708
D2716	2716
D2716(EPROM)	2716
D2732(EPROM)	2732
D2732A-2(EPROM)	2732
D2732A-3(EPROM)	2732
D2732A-4(EPROM)	2732
D2732A-20(EPROM)	2732
D2732A-25(EPROM)	2732
D2732A-30(EPROM)	2732
D2732A(EPROM)	2732
D2732AD-4(EPROM)	2732
D2732D-4(EPROM)	2732
D2732D(EPROM)	2732
D2764-2	2764
D2764-2(EPROM)	2764
D2764-3	2764
D2764-4	2764
D2764-25	2764
D2764-30	2764
D2764-45	2764
D2764(EPROM)	2764
D2764D(EPROM)	2764
D2815C(IC)	1526
D3000	1015
D3001	1016
D3005VN	130
D3040	1017
D3061	1026
D3080	1018
D3110	1152
D3120	1019
D3141	OBS-NLA
D3150	1021
D3202Y	6408
D3214	8214§
D3216	8216
D3302(Diode)	588
D3356	177
D3500	238
D3530	112
D3601(PROM)	74S387
D3602(PROM)	74S570
D3604(PROM)	74S475
D3604A-2	74S475
D3604A(PROM)	74S475
D3605	74S572
D3605A	74S572
D3605A-1	74S572
D3608(PROM)	74S479
D3621(PROM)	74S287
D3622(PROM)	74S571
D3624-2	74S474
D3624(PROM)	74S474
D3625(PROM)	74S573
D3625A-1	74S573
D3625A(PROM)	74S573
D3628(PROM)	74S478
D3628A	74S478
D3628A-1	74S478
D3628A-3	74S478
D3804(DIODE)	576
D3805(DIODE)	577
D3806(DIODE)	577
D4001(IC)	4001B
D4001BC(IC)	4001B
D4002(IC)	4002B
D4002BC	4002B
D4002BC(IC)	4002B
D4011(IC)	4011B
D4011BC	4011B
D4011BC(IC)	4011B
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D4013(IC)	4013B
D4013BC	4013B
D4013BC(IC)	4013B
D4014(IC)	4014B
D4015(IC)	4015B
D4015L	6013
D4016-2(RAM)	2128
D4016-3(RAM)	2128
D4016(RAM)	2128
D4016C-2(RAM)	2128
D4016C-3(RAM)	2128
D4016C(RAM)	2128
D4016D-1(RAM)	2128
D4016D-2(RAM)	2128
D4016D-3(RAM)	2128
D4017(IC)	4017B
D4017BC(IC)	4017B
D4019(IC)	4019B
D4020(IC)	4020B
D4020L	6013
D4021(IC)	4021B
D4023(IC)	4023B
D4024(IC)	4024B
D4025(IC)	4025B
D4027(IC)	4027B
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D4027BC(IC)	4027B
D4028(IC)	4028B
D4029(IC)	4029B
D4030(IC)	4030B
D4030BC	4030B
D4030BC(IC)	4030B
D4040(IC)	4040B
D4040BC	4040B
D4040BC(IC)	4040B
D4042(IC)	4042B
D4049(IC)	4049
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D4050(IC)	4050B
D4051(IC)	4051B
D4052(IC)	4052B
D4052BC	4052B
D4052BC(C)	4052B
D4052BC(IC)	4052B
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D4053BC(IC)	4053B
D4066BC	4066B
D4066BC(IC)	4066B
D4068(IC)	4068B
D4069(IC)	4069
D4069C(IC)	4069
D4069UBC	4069
D4069UBC(IC)	4069
D4071(IC)	4071B
D4078(IC)	4078B
D4081(IC)	4081B
D4081BC(IC)	4081B
D4099(IC)	4099B
D4160BC(IC)	40160B
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D4164-2(RAM)	2164
D4164-3(RAM)	2164
D4164(RAM)	2164
D4164C-1(RAM)	2164
D4164C-2(RAM)	2164
D4164C-3(RAM)	2164
D4164C-15	2164
D4164C(RAM)	2164
D4512(IC)	4512B
D4518(IC)	4518B
D4520(IC)	4520B
D4522(IC)	4522B
D4539(IC)	4539B
D4555(IC)	4555B
D4556(IC)	4556B
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D5101-6(RAM)	65101
D5101(RAM)	65101
D5101C-1(RAM)	65101
D5101C-6(RAM)	65101
D5101C(RAM)	65101
D5101L-1(RAM)	65101
D5101L-6(RAM)	65101
D5101LC-1(RAM)	65101
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D5101P-1(RAM)	65101
D5101P-6(RAM)	65101
D5101P(RAM)	65101
D5277D	116
D5295J	552
D5403	HiDiv-1
D5404	HiDiv-2
D5410	HiDiv-4
D5880	1198
D6015L	6013
D6020L	6013
D6462	177
D6623	116
D6623A	116
D6624	116
D6624A	116
D6625	116
D6625A	116
D6726	177
D7498	HiDiv-3
D8255AC-2	8255
D8255AC-5	8255
D8255AC-5(IC)	8255
D8255AC(IC)	8255
D8410	109
D9202(Diode)	6246#
D9634	199
D10167	116
D10168	116
D20000BB40	552
D24000V09G	552
D28000BB40	552
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D36667	1115
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D92004R7B1	5009A
D92005R1B0	5010A
D92005R1B2	5010A
D92006R8B2	5014A
D92007R5B0	5015A
D92007R5B1	5015A
D92013R6B0	134A
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D93004R70Z	5009A
D93005R10X	5010T1
D93005R600	5011T1
D93006R80Y	5014A
D93007R50Y	5015A
D93007R50Z	5015A
D93019R11B	139A
D93515	74S454
D97006R20B	5013A
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D160092	139A
D160131	135A
D230130TAL	125
D260015	614
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D280010D10	116
D280010D40	116
D280011E10	116
D590015	601
D911138-1	128
D911138-2	128
D911138-3	128
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D911138-5	128
D911138-6	128
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D917254-2	123A
D919039-2	519
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D919698	9903
D919699	9904
D919700	9905
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D926640-1	123
D928121	123A
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D6400023GB	600
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D9200130B0	5022A
D9200130B2	5022A
D9200160B0	5025A
D9200180B0	5027A
D9200300B1	5034A
D9200300B4	5035A
D34002410-001	9914
D34003220-001	177
D34013890-002	74H04
D34014094	175
D92015600B	5090A
D93001000Y	5019T1
D93001100Y	5020A
D93001200X	5021T1
D93001200Y	5021T1
D93001300Y	5022A
D93001300Z	5022A
D93001600Y	5025A
D93002700X	5033A
D93002700Y	5033A
D93003000Y	5035A
D93004300Y	5039A
D93011201B	142A
D93011801B	5077A
D93012701C	5083A
D93013001B	5084A
D140000810	177
D170001320	519
D920011082	5020A
D930013000	5022A
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DAAY010092	139A
DAC0806	2056
DAC0806LCN	2056
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DAN201	590
DAN201VA	590
DAN201W	590
DAN202	595
DAN202K	595
DAN209	590
DAN209S	590
DANZ006000	109
DANZ0060000	109
DAP201	591
DAP201N	591
DAP201VA	591
DAP202	596
DAP202K	596
DAP209	591
DAP209S	591
DAP601	1680
DASZ158800	519
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DB0124ADP	987
DB0124DP	987
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DB1D	5332
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DB3	6408
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DB101	5332
DB102	5332
DB103	5332
DB104	5332
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DB8214	8214§
DBA10B	166
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DBA10E	168
DBA10G	169
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DBA20C	5313
DBA20C-K15	5313
DBA20E	5314◆
DBA30B	5312
DBA30C	5313
DBA30C-K12	5313
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DBA30G	5315
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DBA40E	5314
DBA40-K15	5313
DBA60B	5313◆
DBA60C	5313◆
DBA60E	5314◆
DBAZ073304	294
DBB10B	5332
DBB10C	5332
DBB10E	5332
DBB10G	5332
DBBY001003	282§
DBBY003001	186A
DBBY003002	186A
DBBY005001	235
DBCZ037300	199
DBCZ039404	229
DBCZ073304	199
DBCZ073503	289A
DBCZ073504	289A
DBCZ083905	123A
DBCZ083906	123A
DBCZ094504	199
DBCZ0373000	119
DBCZ101800	299§
DBCZ136406	123A
DBCZ176003	306
DBCZ373000	199
DBDD18-934	6220
DBDD25-934	6220
DBDD40-934	6220
DBDT18-934	5711
DBDT25-934	5711
DBDT40-934	5711
DBF10B	166◆
DBF10C	167◆
DBF10E	168◆
DBF10G	169◆
DBF20B	166◆
DBF20C	167◆
DBF20E	168◆
DBF20G	169◆
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DBF40E	5330◆
DBF40G	5330◆
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DBF60C	5329◆
DBF60E	5330◆
DBF60G	5330◆
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DBTD18-934	5712
DBTD25-934	5712
DBTD40-934	5712
DBTT18-934	5710
DBTT25-934	5710
DBTT40-934	5710
dbxAN6291	1744
DBXAN6291	1744
DC6(Quasar)	513§
DC-9	102A
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DC-12	158
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DC2687	612
DC2688	614
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DC4210B	610
DC8457	177
DCA010	596
DCA015	596
DCB010	595
DCB015	595
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DCC-10D1-N	116
DCC-10D1-NA	116
DCD015	591
DCE015	590
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DD06	115
DD056	116
DD058	125
DD1S954	519
DD25F-20	6220
DD25F-40	6220
DD25F-60	6220
DD25F-80	6220
DD31N400	6220
DD31N400K	6220
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DD31N800K	6220
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DD31N1200K	6220
DD40F-20	6220
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DD40F-60	6220
DD40F-80	6220
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DDAY001004	109
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DM74LS54N	74LS54
DM74LS54SP	74LS54
DM74LS54ST	74LS54
DM74LS55	74LS55
DM74LS55J	74LS55
DM74LS55N	74LS55
DM74LS55SP	74LS55
DM74LS55ST	74LS55
DM74LS74	74LS74A
DM74LS74AN	74LS74A
DM74LS74N	74LS74A
DM74LS75	74LS75
DM74LS75N	74LS75
DM74LS76	74LS76A
DM74LS76ASP	74LS76A
DM74LS76AST	74LS76A
DM74LS76J	74LS76A
DM74LS76N	74LS76A
DM74LS78	74LS78
DM74LS78N	74LS78
DM74LS83	74LS83A
DM74LS83N	74LS83A
DM74LS85	74LS85
DM74LS85N	74LS85
DM74LS86N	74LS86
DM74LS90	74LS90
DM74LS90J	74LS90
DM74LS90N	74LS90
DM74LS90SP	74LS90
DM74LS90ST	74LS90
DM74LS92A	74LS92
DM74LS92AN	74LS92
DM74LS93	74LS93
DM74LS93N	74LS93
DM74LS107	74LS107
DM74LS107AN	74LS107
DM74LS107N	74LS107
DM74LS109	74LS109A
DM74LS109AN	74LS109A
DM74LS109N	74LS109A
DM74LS112	74LS112A
DM74LS112AN	74LS112A
DM74LS112ASP	74LS112A
DM74LS112AST	74LS112A
DM74LS112J	74LS112A
DM74LS112N	74LS112A
DM74LS113A	74LS113
DM74LS113AN	74LS113
DM74LS114A	74LS114
DM74LS114AN	74LS114
DM74LS122	74LS122
DM74LS122J	74LS122
DM74LS122N	74LS122
DM74LS123	74LS123
DM74LS123N	74LS123
DM74LS124NS	74LS629
DM74LS125	74LS125A
DM74LS125AN	74LS125A
DM74LS125ASP	74LS125A
DM74LS125AST	74LS125A
DM74LS125J	74LS125A
DM74LS125N	74LS125A
DM74LS126A	74LS126
DM74LS126AN	74LS126
DM74LS132	74LS132
DM74LS132J	74LS132
DM74LS132N	74LS132
DM74LS132SP	74LS132
DM74LS132ST	74LS132
DM74LS138	74LS138
DM74LS138N	74LS138
DM74LS139	74LS139
DM74LS139J	74LS139
DM74LS139N	74LS139
DM74LS139SP	74LS139
DM74LS139ST	74LS139
DM74LS147NS	74LS147
DM74LS151	74LS151

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
DM74LS151N	74LS151
DM74LS153	74LS153
DM74LS153N	74LS153
DM74LS155	74LS155
DM74LS155J	74LS155
DM74LS155N	74LS155
DM74LS155SP	74LS155
DM74LS155ST	74LS155
DM74LS156	74LS156
DM74LS156N	74LS156
DM74LS157	74LS157
DM74LS157N	74LS157
DM74LS158	74LS158
DM74LS158N	74LS158
DM74LS160	74LS160A
DM74LS160ASP	74LS160A
DM74LS160AST	74LS160A
DM74LS160J	74LS160A
DM74LS160N	74LS160A
DM74LS161	74LS161A
DM74LS161AN	74LS161A
DM74LS161N	74LS161A
DM74LS162	74LS162A
DM74LS162ASP	74LS162A
DM74LS162AST	74LS162A
DM74LS162J	74LS162A
DM74LS162N	74LS162A
DM74LS163	74LS163A
DM74LS163N	74LS163A
DM74LS164	74LS164
DM74LS164N	74LS164
DM74LS165	74LS165
DM74LS165J	74LS165
DM74LS165N	74LS165
DM74LS166	74LS166
DM74LS166J	74LS166
DM74LS166N	74LS166
DM74LS168	74LS168A
DM74LS168A	74LS168A
DM74LS168AJ	74LS168A
DM74LS168AN	74LS168A
DM74LS168J	74LS168A
DM74LS168N	74LS168A
DM74LS169	74LS169A
DM74LS169A	74LS169A
DM74LS169AJ	74LS169A
DM74LS169AN	74LS169A
DM74LS169J	74LS169A
DM74LS169N	74LS169A
DM74LS170	74LS170
DM74LS170J	74LS170
DM74LS170N	74LS170
DM74LS170SP	74LS170
DM74LS170ST	74LS170
DM74LS173	74LS173
DM74LS173N	74LS173
DM74LS174	74LS174
DM74LS174N	74LS174
DM74LS175	74LS175
DM74LS175N	74LS175
DM74LS190	74LS190
DM74LS190J	74LS190
DM74LS190N	74LS190
DM74LS190SP	74LS190
DM74LS190ST	74LS190
DM74LS191	74LS191
DM74LS191N	74LS191
DM74LS192	74LS192
DM74LS192J	74LS192
DM74LS192N	74LS192
DM74LS192SP	74LS192
DM74LS192ST	74LS192
DM74LS193	74LS193
DM74LS193N	74LS193
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DM74LS194AJ	74LS194A
DM74LS194AN	74LS194A
DM74LS195	74LS195A
DM74LS195N	74LS195A
DM74LS196	74LS196
DM74LS196N	74LS196
DM74LS197	74LS197
DM74LS197N	74LS197
DM74LS221	74LS221
DM74LS221N	74LS221
DM74LS240N	74LS240
DM74LS244	74LS244
DM74LS244J	74LS245
DM74LS244N	74LS244
DM74LS245	74LS245
DM74LS245J	74LS245
DM74LS245N	74LS245
DM74LS245NS	74LS245
DM74LS251	74LS251
DM74LS251J	74LS251
DM74LS251N	74LS251
DM74LS251NS	74LS251
DM74LS253	74LS253
DM74LS253N	74LS253
DM74LS257	74LS257
DM74LS257BN	74LS257
DM74LS257N	74LS257
DM74LS258	74LS258
DM74LS258AN	74LS258
DM74LS258BN	74LS258
DM74LS258J	74LS258
DM74LS258N	74LS258
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DM74LS258ST	74LS258
DM74LS266	74LS266
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DM74LS279J	74LS279
DM74LS279N	74LS279
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DM74LS280N	74LS280
DM74LS283	74LS283
DM74LS283N	74LS283
DM74LS290	74LS290
DM74LS290N	74LS290
DM74LS293	74LS293
DM74LS293N	74LS293
DM74LS298	74LS298
DM74LS298N	74LS298
DM74LS324NS	74LS624
DM74LS325NS	74LS625
DM74LS326NS	74LS626
DM74LS327NS	74LS627
DM74LS348NS	74LS348
DM74LS352	74LS352
DM74LS352J	74LS352
DM74LS352N	74LS352
DM74LS352NS	74LS352
DM74LS353	74LS353
DM74LS353J	74LS353
DM74LS353N	74LS353
DM74LS353NS	74LS353
DM74LS363NS	74LS363
DM74LS364NS	74LS364
DM74LS365A	74LS365A
DM74LS365AN	74LS365A
DM74LS366	74LS366A
DM74LS366ASP	74LS366A
DM74LS366AST	74LS366A
DM74LS366J	74LS366A
DM74LS366N	74LS366A
DM74LS367	74LS367
DM74LS367AN	74LS367
DM74LS367N	74LS367
DM74LS368	74LS368
DM74LS368AN	74LS368
DM74LS368J	74LS368
DM74LS368N	74LS368
DM74LS368SP	74LS368
DM74LS368ST	74LS368
DM74LS373	74LS373
DM74LS373J	74LS373
DM74LS373N	74LS373
DM74LS373NS	74LS373
DM74LS374	74LS374
DM74LS374N	74LS374
DM74LS378NS	74LS378
DM74LS379NS	74LS379
DM74LS386	74LS386
DM74LS386J	74LS386
DM74LS386N	74LS386
DM74LS390NS	74LS390
DM74LS393NS	74LS393
DM74LS395ANS	74LS395A
DM74LS490NS	74LS490
DM74LS540NS	74LS540
DM74LS541NS	74LS541
DM74LS640NS	74LS640
DM74LS641NS	74LS641
DM74LS642NS	74LS642
DM74LS645NS	74LS645
DM74LS670	74LS670
DM74LS670J	74LS670
DM74LS670N	74LS670
DM74LS670SP	74LS670
DM74LS670ST	74LS670
DM74S00	74S00
DM74S00N	74S00
DM74S03J	74S03
DM74S03N	74S03
DM74S04J	74S04
DM74S04N	74S04
DM74S05J	74S05
DM74S05N	74S05
DM74S10J	74S10
DM74S10N	74S10
DM74S11J	74S11
DM74S11N	74S11
DM74S20J	74S20
DM74S20N	74S20
DM74S22J	74S22
DM74S51N	74S51
DM74S86N	74S86
DM74S112N	74S112
DM74S151N	74S151
DM74S153N	74S153
DM74S157N	74S157
DM74S174N	74S174
DM74S175N	74S175
DM74S180	74S479
DM74S180J	74S479
DM74S180N	74S479
DM74S181	74S478
DM74S181J	74S478
DM74S181N	74S478
DM74S188	74S188
DM74S188J	74S188
DM74S188N	74S188
DM74S188NL	74S188
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DM74S287JL	74S287
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DM74S287NL	74S287
DM74S288	74S288
DM74S288J	74S288
DM74S288N	74S288
DM74S288NL	74S288
DM74S387	74S387
DM74S387J	74S387
DM74S387N	74S387
DM74S387NL	74S387
DM74S454NL	74S454
DM74S472	74S472
DM74S472J	74S472
DM74S472N	74S472
DM74S472NL	74S472
DM74S473	74S473
DM74S473J	74S473
DM74S473N	74S473
DM74S473NL	74S473
DM74S474	74S474
DM74S474J	74S474
DM74S474JL	74S474
DM74S474N	74S474
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DM74S475	74S475
DM74S475J	74S475
DM74S475JL	74S475
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DM74S571	74S571
DM74S571J	74S571
DM74S571N	74S571
DM74S571NL	74S571
DM74S572	74S572
DM74S572J	74S572
DM74S572JL	74S572
DM74S572N	74S572
DM74S572NL	74S572
DM74S573	74S573
DM74S573J	74S573
DM74S573N	74S573
DM74S573NL	74S573
DM-77	4069
DM84	1277
DM-84	1277
DM-86	4016B
DM-87	834
DM87	834
DM87S185	74S454
DM87S185J	74S454
DM87S185N	74S454
DM-88	787
DM-91	964
DM-92	964
DM92	964
DM93L16DM	93L16◆
DM93LS08DM	93L08◆
DM94	960
DM96L02DM	96L02◆
DM96LS02DM	96LS02◆
DM96S02DM	96S02◆
DM-98	1277
DM98	1277
DM-98A	1277
DM98A	1277
DM98B	1277
DM104	977
DM-104	977
DM-106	981
DM106	981
DM-109	4512B
DM-110	4517B
DM-112	964
DM112	964
DM115	1864
DM125	1277
DM-133	1396
DM133	1396
DM138	1577
DM-138	1577
DM-157	964
DM163	960
DM182-30-3801	123AP
DM704N	7404
DM930N	9930
DM932N	9932
DM933N	9933
DM935N	9935
DM936N	9936
DM937N	9937
DM944N	9944
DM945N	9945
DM946N	9946
DM948N	9948
DM949N	9949
DM957N	9157
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DM7430N	7430
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DM7432N	7432
DM7437N	7437
DM7438N	7438
DM7440N	7440
DM7441AN	7441
DM7442N	7442
DM7445N	7445
DM7447AN	7447
DM7450N	7450
DM7451N	7451
DM7453N	7453
DM7454N	7454
DM7460N	7460
DM7470N	7470
DM7472	7422
DM7472N	7472
DM7473	7473
DM7473N	7473
DM7474N	7474
DM7475N	7475
DM7476N	7476§
DM7483N	7483
DM7486N	7486
DM7488N	OBS-NLA
DM7489N	7489
DM7490	7490
DM7490A	7490
DM7490AJ	7490
DM7490AN	7490
DM7490N	7490
DM7491AN	7491
DM7492N	7492
DM7493	7493A
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DM7493N	7493A
DM7495N	7495
DM7496N	7496
DM8000N	7400
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DM8092PC	8092
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DM8097	74367
DM8097J	74367
DM8097N	74367
DM8098	74368
DM8098J	74368
DM8098N	74368
DM8121	74251
DM8121J	74251
DM8121N	74251
DM8123	8123
DM8123N	8123
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DM8213	74154
DM8213J	74154
DM8213N	74154
DM8214	7214
DM8214J	7214
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DM8214NS	7214
DM8219	8219
DM8219N	8219
DM8219PC	8219
DM8223	8223§
DM8223N	8223§
DM8223PC	8223§
DM8280	74176
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DM8280N	74176
DM8281	74177
DM8281J	74177
DM8281N	74177
DM8283	7483
DM8283J	7483
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DM8290	74196
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DM8296J	74196
DM8296N	74196
DM8301	8301
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DM8301J	8301
DM8301N	8301
DM8309	8309
DM8309CPC	8309
DM8309J	8309
DM8309N	8309
DM8316J	8316
DM8316N	8316
DM8318J	8318
DM8318N	8318
DM8328CPC	8328
DM8370CPC	8370
DM8500	7476§
DM8500J	7476§
DM8500N	7476§
DM8501	7473
DM8501J	7473
DM8501N	7473
DM8502N	74107
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DM8520N	8520
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DM8530N	7490
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DM8532N	7492
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DM8533J	7493A
DM8533N	7493A
DM8542	8542
DM8542N	8542
DM8542PC	8542
DM8546	8546
DM8546N	8546
DM8546PC	8546
DM8551	74173
DM8551J	74173
DM8551N	74173
DM8552	8552§
DM8552N	8552§
DM8552PC	8552§
DM8553	8553
DM8553N	8553
DM8553PC	8553
DM8554	8554
DM8554N	8554
DM8554PC	8554
DM8555	8555§
DM8555N	8555§
DM8555PC	8555§
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DM8580	7495
DM8580J	7495
DM8580N	7495
DM8590	74165
DM8590J	74165
DM8590N	74165
DM8601J	9601
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DM8640N	74141
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DM8846	7446
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DM8846N	7446
DM8847	7447
DM8847J	7447
DM8847N	7447
DM8848	7448
DM8848J	7448
DM8848N	7448
DM8853	8853
DM8853N	8853
DM8853PC	8853
DM8880	2028
DM9093N	9093
DM9094	9094
DM9094N	9094
DM9097N	9097
DM9099N	9099
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DM9301J	8301
DM9301N	8301
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DM9309	8309
DM9309J	8309
DM9309N	8309
DM9314DM	8314◆
DM9316DM	8316◆
DM9317J	8316◆
DM9318DM	8318◆
DM9318J	8318◆
DM9321DM	8321◆
DM9368DM	8368◆
DM9374DM	8374◆
DM9600DM	9600◆
DM9601DM	9601◆
DM9601J	9601◆
DM9601N	9601◆
DM9602DM	9602◆
DM9615DM	9615◆
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DM74162	74162
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DM74180N	74180
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DM74182N	74182
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DM74191N	74191
DM74193N	74193
DM74196N	74196
DM74197N	74197
DM74198N	74198
DM74199N	74199
DM74251	74251
DM74251J	74251
DM74251N	74251
DM74365	74365
DM74365J	74365
DM74365N	74365
DM74366	74366
DM74366J	74366
DM74366N	74366
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DM74367J	74367
DM74367N	74367
DM74368	74368
DM74368J	74368
DM74368N	74368
DMMA4051M	5010T1◆
DMMA4075M	5015A◆
DMMA4082M	5016A◆
DMMA4091M	5018A◆
DMMA4100M	5010T1◆
DMMA4200M	5029A◆
DMMA4270M	5033A◆
DMOA90AM	109
DMZ-MZ330-A	5035A
DN	123A
DN20-00453	128
DN27	184
DN28	374
DN60	109
DN74LS02	74LS02
DN74LS04	74LS04
DN74LS08	74LS08
DN74LS09	74LS09
DN74LS28	74LS28
DN74LS32	74LS32
DN74LS33	74LS33
DN74LS74A	74LS74A
DN74LS74AN	74LS74A
DN74LS95B	74LS95B
DN74LS107	74LS107
DN74LS123	74LS123
DN74LS132	74LS132
DN74LS145	74LS145
DN74LS156	74LS156
DN74LS165	74LS165
DN74LS166	74LS166
DN74LS181	74LS181
DN74LS194A	74LS194A
DN74LS260	74LS260
DN74LS386	74LS386
DN101	123A
DN102	123AP
DN103	123AP
DN104	229
DN107	159
DN110	123A
DN111	123A
DN811	9400§
DN819	9200
DN838	9402
DN850	9401
DN852	9403
DN852P	9403
DN1946	9946
DN6838	1705
DN6838A	1705◆
DND800	177
DNMPC574J	615A
DNN-RD3.0E-B	5004A
DNN-RD3.6E-B	5006A
DNN-RD4.7EB1	5009A
DNN-RD5.6EB2	5011A
DNN-RD6.2E	5013A
DNN-RD6.8EB	5014A
DNN-RD7.5EB3	5015A
DNN-RD8.2E	5016A
DNN-RD9.1E	5018A
DNN-RD9.1EB3	5018A
DNN-RD13E	5022A
DNN-RD13EB3	5022A
DNN-RD15EB2	5024A
DNN-RD20EB	5029A
DNN-RD20EB3	5079A
DNN-RD30EB3	5035A
DNRD3.9E-B1	5007A
DNRD5.1E-B3	5010A
DNRD5.6E-B2	5011A
DNRD6.2E	5013A
DNRD6.2E-B1-B3	5013A
DNRD6.2E-B2	5013A
DNRD6.2E-B3	5013A
DNRD6.2L	5013A
DNRD7.5E	5015A
DNRD7.5E-B3	5015A
DNRD8.2E-B3	5016A
DNRD10E-B1	5019A
DNRD10E-B3	5019A
DNRD10F-B1	5019A
DNRD11EB1	5020A
DNRD13E-B2	5022A
DNRD16E-B3	5025A
DNRD27E.B4	5033A
DNRD33E-B1	5035A
DNRD39E-B1	5037A
DNRD39E-C2	5037A
DNUPC574J	615A
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DTS702	165
DTS704	165
DTS708	165
DTS709	165
DTS801	389
DTS802	165
DTS804	165
DTS3705	162
DTS3705A	162
DTS3705B	162
DTS4062	98
DTS4066	98
DTS4067	98
DTS4072	98
DTS4074	98
DTS4075	98
DTT-1N60	109
DTT-TLR104	3012A
DTuL9093	9093
DTuL9099	9099
DTuL9930	9930
DTuL9932	9932
DTuL9933	9933
DTuL9935	9935
DTuL9936	9936
DTuL9944	9944
DTuL9945	9945
DTuL9946	9946
DTuL9948	9948
DTuL9949	9949
DTuL9961	9961
DTuL9962	9962
DTuL9963	9963
DTZ13	4919
DTZ13A	4919
DTZ18	4927
DTZ18A	4927
DTZ20	4929
DTZ20A	4929
DTZ27	4935
DTZ27A	4935
DTZ51	4951
DTZ51A	4951
DTZ68	4959
DTZ68A	4959
DTZ200	4989
DTZ200A	4989
DU1	160
DU2	160
DU3	102A
DU4	158
DU5	102A
DU6	104
DU7	105
DU12	160
DU47	105
DU400	116
DU600	116
DU800	125
DU1000	125
DV2209	614
DVDGP108B	116
DVMV1Y	601
DVR-8	964
DVV004	614
DW134C	171
DW6034/M	123A
DW6195	128
DW 6505	123A
DW 6982	128
DW 7375	123A
DW 7655	234
DW 7655 LV00223	234
DWMA154WA	591
DWMA154WK	519(2)◆
DWW-LN514RA	3068
DX-0007	116
DX0007	116
DX006	552
DX-0022	177
DX0022	177
DX0038CE	125
DX0045GE	519
DX0048GE	519
DX0048GEZZ	519
DX0053GE	519
DX0053GEZZ	519
DX0055CE	116
DX0057	147A
DX-0061	136A
DX-0069	5075A
DX0079	177
DX-0079	177
DX0080	177
DX-0080	177
DX-0081	177
DX0085TA	552
DX0086CE	552
DX0086TA	552
DX0086TAZZ	552
DX-0099	116
DX0101CE	552
DX0105TA	552
DX0110CE	116
DX0112	135A
DX0113	5074A
DX0115CE	125
DX0117TA	552
DX-0121	147A
DX0123CE	552
DX0125CE	116
DX-0126	610
DX0126	610

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
DX0126CE	552
DX0128CE	156
DX0130CE	552
DX0131CE	552
DX0132CE	515
DX0135TA	552
DX0142CE	519
DX-0143	5332
DX-0150	601
DX0150	601
DX-0152	109
DX0152CE	5314
DX0154CE	116
DX0155CE	116
DX-0156	109
DX-0159	5011A
DX0160	109
DX-0161	109
DX0161	109
DX-0162	109
DX0162	109
DX-0164	5002A
DX0164CE	525
DX0177TAJ	552
DX0179CE	519
DX0181CE	580
DX0190CE	558
DX0200CE	5332
DX0202CE	552
DX0203CE	580
DX0204CE	519(2)
DX0206	116
DX-0207	116
DX0208CE	5332
DX0220CE	116
DX0226CE	552
DX0229CE	580
DX0234CE	580
DX-0235	5080A
DX0235CE	552
DX0236CE	519
DX0237CE	519
DX-0240	109
DX-0241	109
DX0247CE	580
DX0248CE	552
DX-0253	109
DX0253	109
DX-0259	177
DX-0270	177
DX0270	177
DX-0272	177
DX-0273	519
DX0273	519
DX0282	116
DX-0287	177
DX-0299	519
DX-0301	611
DX0301	611
DX0302	612
DX-0307	612
DX-0312	601
DX-0313	601
DX-0314	601
DX-0316	601
DX-0322	177
DX-0349	116
DX-0365	601
DX0382CE	552
DX-0398	519
DX0399	5074A
DX-0402	139A
DX0403	5021A
DX-0403	5021A
DX-0405	5022A
DX-0445	116
DX0445	116
DX-0475	116
DX-0479	612
DX0501	5013A
DX-0516	605A
DX-0517	605A
DX-0526	116
DX-0529	134A
DX-0530	5013A
DX-0533	5018A
DX-0537	5022A
DX-0543	177
DX-0549	5071A
DX-0551	109
DX-0551(DIODE)	109
DX-0551(ZENER)	145A
DX-0576	109
DX0585	116
DX-0585	116
DX-0587	552
DX-0611	110MP
DX-0650	600
DX-0681	109
DX-0685	601
DX-0697	605A
DX0710	137A
DX-0713	5023A
DX-0716	5013A
DX-0717	5019A
DX0718	614
DX0719	116
DX-0722	614
DX-0723	610
DX-0725	109
DX-0729	5072A
DX-0733	519
DX-0734	109
DX-0735	519
DX-0735(ZENER)	136A
DX-0736	5072A
DX-0737	136A
DX-0748	138A
DX-0749	612
DX-0750	601
DX-0751	5313
DX-0752	601
DX-0856	5098A
DX-0862	5020A
DX-0893	116
DX-0955	109
DX-0983	5014A
DX-0985	553
DX-0986	139A
DX-0987	135A
DX0989	135A
DX0990	5070A
DX-0990	156
DX0991	5072A
DX-0994	140A
DX-0995	5304
DX-0999	5009A
DX105T	552
DX135TA	552
DX520	116
DX-1007	614
DX-1008	519
DX-1013	138A
DX1018	108
DX1039	116
DX-1039	125
DX-1043	5014A
DX-1044	5015A
DX-1056	519
DX-1080	613
DX-1088	519
DX-1107	109
DX-1118	519
DX-1126	5013A
DX-1139	519
DX-1154	5022A
DX-1161	552
DX-1162	5332
DX-1163	142A
DX-1165	5457
DX1170	137A
DX-1222	5014A
DX-1226	605A
DX-1247	5013A
DX-1248	5009A
DX-1249	5016A
DX-1258	5005A
DX-1263	5313
DX-1275	605A
DX-1276	5029A
DX1315	5315
DX-1325	109
DX-1346	5018A
DX-1392	611
DX-1430	552
DX-1535	5024A
DX1556	5016A
DX-1662	116
DX-1663	5019A
DX-1691	5015A
DX-1692	167
DX1753	5014A
DX-1773	552
DX-1802	558
DX-1829	5016A
DX-1834	5018A
DX-1912	552
DX-1991	5019A
DX-1993	5010A
DX-2060	5014A
DX-2061	5016A
DX-2087	519
DX-2137	5332
DX-2149	5011A
DX-2150	5020A
DX-2230	519
DX-2231	5010T1
DX-2232	116
DX-2253	137A
DX-2257	580
DX-2272	519
DX-2273	552
DX-2274	552
DX-2275	552
DX-2276	116
DX-2277	552
DX-2278	5080A
DX-2279	5029A
DX-2280	5074A
DX-2306	5021A
DX2321	156
DX2322	109
DX2323	5007A
DX2327	519
DX-2443	116
DX-2446	580
DX-2447	519
DX-2451	142A
DX-2517	5019T1
DX-2555	5016A
DX-2556	552
DX-2617	552
DX6873	109
DX7429	519
DY1SS131	519
DY1SS131Y	519
DY1SS133	519
DYDAN201VA	590
DYDAP201VA	591
DYMTZ5.1B	5010T1
DYMTZ6.2C	5013T1◆
DYMTZ6.8C	5014A◆
DYMTZ7.5C	5015A◆
DYMTZ8.2C	5016A◆
DYMTZ9.1C	5018A◆
DYMTZ24C	5031A◆
DYY-1S2473	519
DZ-081	5072A
DZ-092	139A
DZ0500	135A
DZ0610	137A
DZ0710	138A
DZ0720	5015A
DZ0731	134A
DZ0750	136A
DZ0820	5072A
DZ0900	139A
DZ0901	139A
DZ0910	139A
DZ0921	139A
DZ2(8.2A)	5072A
DZ10	139A
DZ10A	140A
DZ12	143A
DZ12A	142A
DZ13	143A
DZ15A	145A
DZ27A	146A
DZ33A	147A
DZ82A	150A
DZ86.8C	5071A
DZ1621	5075A
DZ760927F	5127A◆
DZB6.2	137A
DZB6.8	5071A
DZB6.8C	5071A
DZB7.5	138A
DZB7.5C	138A
DZB8.2	5072A
DZB8.2C	5072A
DZB9.1	139A
DZB9.1C	139A
DZB10	140A
DZB10C	140A
DZB11	5074A
DZB11C	5074A
DZB12	142A
DZB12C	142A
DZB13	143A
DZB13C	143A
DZB15	145A
DZB15C	145A
DZB16	5075A
DZB16C	5075A
DZB18	5077A
DZB18C	5077A
DZB-18C	5077A
DZB20	5079A
DZB20C	5079A
DZB22	5080A
DZB22C	5080A
DZB24	5081A
DZB24C	5081A
DZB27	146A
DZB27C	146A
DZB30	5084A
DZB30C	5084A
E0011	614
E0018	109
E-00585-0014	5400
E-00585-0023	159
E-00585-0029	5411
E-00585-0031	123AP
E-00585-0032	288
E-00585-0033	287
E-00585-0034	263
E-00585-0041	396
E-00585-0042	175
E-00585-0043	291
E-00585-0065	5462
E-00587-006	116
E-00587-0014	519
E-00587-0015	116
E-00598-0007	151A
E-00598-0008	5016A
E-00598-0010	5054A
E-00598-0011	5022A
E-00602-002	5340◆
E-00602-003	5313
E-00602-006	5322
E-00602-007	5340
E-00620-0004	955M
E-00620-0005	4011B
E-00620-0007	4050B
E-00620-0028	6800
E-00620-0029	6821
E-00620-0030	6810
E-00620-0032	4502B
E-00620-0033	4049
E-00620-0035	9602
E-00620-0037	4514B
E-00620-0038	4543B
E-00620-0042	65101
E-00620-0047	941M
E-00620-0048	740A
E-00620-0108	4028B
E-00620-0125	6802
E-00620-0126	992
E-00620-0127	1232
E-00620-0134	40175B
E-00620-0137	987◆
E-00620-0139	74LS04
E-00620-0165	961
E-00620-0168	74LS155
E-00620-0169	74LS14
E-00681(Bally)	916
E-00710(Bally)	931
E-00712-0001(Bally)	430
E-00712-0003	435P22
E-00712(Bally)	428
E01	457
E02	457
E-044A	102A
E-065	126A
E-066	126A
E-067	126A
E-068	126A
E-070	102A
E-075L	116
E0102AA	5402
E0102FA	5401
E0102YA	5400
E-0704W	116
E0771-6	144A
E0771-7	142A
E0788C	116
E-01381	128
E03090-002	167
E03155-001	116
E03155-002	116
E0LF-14A604-AA	112
E1	116
E1A	107
E1CM-0060	1155
E1M3	125
E1N3	125
E2	116
E-2SC536AG-SP	199
E-2SC536E-NP	85
E-2SC930D-NP	107
E-2SC930E-NP	107
E-2SC1923-O	107
E-2SD734G	85
E2SF-14A603-AA	107
E2SF-14A674-AA	964
E2SF-14A674-BA	960
E2SF-14A674-CA	928M
E2SF14A674HA	1396
E2SF-14A674-HA	1396
E2SF-14A674-NA	1577
E2SF-14R603-AA	107
E2SF-18B918-AA	618
E2SF674-HA	1396
E2SF674-NA	1577
E2SF-14674-HA	1396
E3	116
E4	158
E4(Diode)	116
E4A3	5892
E4A3R	5893
E4B3	5896
E4B3R	5897
E4C3	5896
E4C3R	5897
E4D3	5900
E4D3R	5901
E4E3	5900
E4E3R	5901
E4F3	5900
E4F3R	5901
E4G3	5900
E4G3R	5901
E4H3	5904
E4H3R	5905
E4K3	5904
E4K3R	5905
E4M3	5908
E4M3R	5909
E4N3	5908
E4N3R	5909
E4P3	5910
E4P3R	5911
E5	116
E6	116
E7A3	5912◆
E7A3R	5913◆
E7B3	5916◆
E7B3R	5917◆
E7C3	5916◆
E7C3R	5917◆
E7D3	5920◆
E7D3R	5921◆
E7E3	5920◆
E7E3R	5921◆
E7F3	5920◆
E7F3R	5921◆
E7G3	5920◆
E7G3R	5921◆
E7H3	5924◆
E7H3R	5925◆
E7K3	5924◆
E7K3R	5925◆
E7M3	5928◆
E7M3R	5929◆
E7N3	5928◆
E7N3R	5929◆
E7P3	5932◆
E7P3R	5933◆
E8	125
E9	125
E10	125
E13-000-03	123A
E13-000-04	123A
E13-001-02	159
E13-001-03	159
E13-001-04	159
E13-002-03	123A
E13-003-00	123A
E13-003-01	123A
E13-004-00	233
E13-005-02	123A
E13-006-02	159
E13-007-00	171
E13-008-00	162
E13-009-00	165
E13-010-00	191
E13-011-00	191
E13-012-00	1828
E13-013-03	120
E13-013-04	120
E13-017-01	177
E13-020-00	116
E13-021-01	505
E13-021-03	505
E13-20-00	116
E14C350	116
E21	116
E225C5	116
E41	116
E51-10-0035	76
E51-10-0049	76
E51-10-0050	76
E84	140A
E101	457
E102	457
E102(Elcom)	116
E103	312
E105	126A
E106(Elcom)	116
E108(Elcom)	125
E111	466
E111A	466
E112(SDG)	467
E112A	466
E113	466
E113A	466
E114(SDG)	467
E125C200	116
E132	102A
E135	116
E143	116
E146	116
E150L	116
E158	102A
E-167-228	128
E181	102A
E181A	102A
E181B	102A
E181C	102A
E181D	102A
E185B121712	157
E202(Elcom)	156
E203	466
E204(SDG)	457
E210(SDG)	451
E211	451
E213	159
E232	466◆
E241	102A
E241A	102A
E241B	102A
E262	142A
E300	312
E300(Elcom)	5809
E300L	116
E302(Elcom)	5802
E304	312
E304(Elcom)	5804
E305	451
E306(Elcom)	5806
E308(Elcom)	5808
E318-1	128
E629	108
E650L	116
E660	113A
E-713(BALLY)	2V130
E750(Elcom)	116
E752(Elcom)	116
E756(Elcom)	116
E758(Elcom)	125
E760(Elcom)	125
E1011	116
E1018N	116
E1031RT	109
E1121R	177
E1124	116
E1142(Zenith)	2313
E1176ALC1A	113A
E1176R	178MP
E1208ZG	5021A
E1216ZG	142A
E1221R	177
E1222Z	5037A
E1222ZP	5037A
E1229R	519
E1234R	519
E1237RF	116
E1256R	177
E1266R	558
E1270R	552
E1286R	519
E1293Z	5037A
E1294Z	5037A
E1303Z	5012A
E1304R	125
E1308R	552
E1314R	552
E1315R	156
E1322Z	5012A
E1324R	519
E1332R	519
E1336R	558
E1338R	552
E1339R	552
E1340R	558
E1342R	519
E1410	116
E1411	116
E1412	116
E1412R	552
E1413	116
E1413R	116
E1415	116
E1428R	552
E1436ZB	5009A
E1440	116
E1442R	116
E1445ZA	142A
E1451ZB	5034A
E1466Z	5036A
E1490R	552
E1516R	580
E1518R	552
E1533R	552
E1534R	552
E1600(Trans)	332
E1616R	580
E1618R	552
E1639Z	5018A
E1645Z	142A
E1650Z	5020A
E1660Z	5010A
E1661Z	5014A
E1670Z	5006A
E1672Z	5036A
E1704R	125
E1705R	558
E1714ZS	5010A
E1717R	125
E1720R	125
E1725RM	580
E1732R	552
E1750Z	5070A
E1756ZB	5017A
E1756ZC	5018A
E1775R	177
E1779R	580
E1786R	552
E1789R	116
E1791R	552
E1794R	552
E1810ZA	5035A
E1810ZB	5035A
E1821ZA	5014A
E1821ZB	5014A
E1821ZC	5015A
E1821ZD	5015A
E1823Z	5015A
E1823ZA	5015A
E1823ZB	5015A
E1828ZA	5021T1
E1828ZB	5021T1
E1829R	125
E1852	142A
E2412	100
E2427	101
E2428	101
E2429	101
E2430	123A
E2431	123A
E2434	108
E2435	108
E2436	123A
E2438	160
E2439	160
E2440	160
E2441	128
E2444	123A
E2445	102A
E2447	103A
E2448	102A
E2449	128
E2450	160
E2451	126A
E2452	123A
E2453	102A
E2454	123A
E2455	123A
E2459	123A
E2460	124
E2461	123A
E2462	160
E2464	103A + 102A(CP)
E-2465	102A
E2465	102A
E2466	103A
E-2466	103A
E2467	102A
E2474	160
E2475	160
E2476	102A
E2477	160
E2478	160
E2479	160
E2480	102A
E2481	102A
E2482	102A
E2484	110MP
E2486	137A
E-2491B	128
E2495	727
E2496	152
E2497	123A
E2498	129
E2499	123A
E3006	116
E4002	101
E4676B	116
E6052	312
E9625	229
E10116	116
E10157	116
E10171	116
E10172	116
E13004	51
E13005	51
E13006	379
E13007	379
E13009	379
E15028	54
E15029	55
E15030	54
E15031	55
E21135	110MP
E21430	109
E21431	137A
E24100	116
E24101	156
E24103	123A
E24104	102A
E24105	103A
E24106	102A
E24107	131
E570022-01	175
EA0002	160
EA0007	160
EA0009	102A
EA000-13000	4011B
EA000-17200	74LS14
EA000-22600	74LS373
EA000-44600	8255
EA001-00600	2128
EA001-02200	8255
EA001-02700	2128
EA001-02703	2128
EA005	116
EA0013	108
EA0015	116
EA0016	116
EA0031	116
EA0053	160
EA0081	128
EA0086	129
EA0087	129
EA0090	128
EA0091	108
EA0092	123A
EA0093	108
EA0094	108
EA0095	108
EA010	116
EA020	116
EA030	116
EA040	116
EA050	116
EA060	116
EA080	125
EA15X1	123A
EA15X2	102A
EA15X3	102A
EA15X4	102A
EA15X5	160
EA15X6	105
EA15X7	102A
EA15X8	102A
EA15X9	123A
EA15X10	121
EA15X11	160
EA15X12	121
EA15X13	160
EA15X14	116
EA15X15	121
EA15X18	123A
EA15X19	102A
EA15X20	123A
EA15X22	123A
EA15X23	102A
EA15X24	123A
EA15X25	102A
EA15X26	121
EA15X27	160
EA15X28	102A
EA15X29	160
EA15X30	160
EA15X31	123A
EA15X33	121
EA15X35	121
EA15X36	102A
EA15X37	123A
EA15X38	121
EA15X40	160
EA15X41	160
EA15X43	160
EA15X44	123A
EA15X45	123A
EA15X48	108
EA15X49	108
EA15X50	108
EA15X51	108
EA15X52	123A
EA15X53	121
EA15X54	108
EA15X55	108
EA15X56	123A
EA15X57	128
EA15X58	123A
EA15X59	123A
EA15X63	123A
EA15X66	160
EA15X67	102A
EA15X68	123A
EA15X69	106
EA15X70	106
EA15X71	106
EA15X72	123A
EA15X73	123A
EA15X75	123A
EA15X76	123A
EA15X77	123A
EA15X83	123A
EA15X84	123A
EA15X85	123A
EA15X86	123A
EA15X88	121
EA15X89	123A
EA15X91	123A
EA15X94	108
EA15X96	123A
EA15X98	123A
EA15X99	152
EA15X100	130
EA15X101	123A
EA15X102	128
EA15X103	123A
EA15X111	123A
EA15X112	123A
EA15X113	108
EA15X121	175
EA15X123	181
EA15X124	180
EA15X130	229
EA15X131	108
EA15X132	108
EA15X133	126A
EA15X134	107
EA15X135	107
EA15X136	123A
EA15X137	123A
EA15X138	85
EA15X139	131
EA15X140	126A
EA15X141	126A
EA15X142	123A
EA15X143	123A
EA15X144	128
EA15X152	199
EA15X152(Diode)	177
EA15X153	123A
EA15X154	131
EA15X157	123A
EA15X160	186
EA15X161	199
EA15X162	123A
EA15X163	123A
EA15X164	102A
EA15X165	312
EA15X167	123A
EA15X168	123A
EA15X169	312
EA15X173	121
EA15X176	229
EA15X180	123A
EA15X184	172A
EA15X185	294
EA15X189	123A
EA15X190	229
EA15X191	102A
EA15X192	312
EA15X193	312
EA15X194	129
EA15X203	102A
EA15X207	102A
EA15X212	102A
EA15X213	199
EA15X227	102A
EA15X231	312
EA15X233	159
EA15X234	188
EA15X235	189
EA15X237	123A
EA15X238(1 Gate)	312
EA15X238(2 Gate)	220
EA15X238(D,S,G1,G2)	222
EA15X239	107
EA15X240	123A
EA15X241	199
EA15X242	290A
EA15X243	185
EA15X244	184

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
EA15X245	199
EA15X246	85
EA15X247	172A
EA15X248	186
EA15X249	289A
EA15X250	293
EA15X251	85
EA15X252	229
EA15X253	123A
EA15X256	289A
EA15X257	158
EA15X258	199
EA15X259	199
EA15X260	159
EA15X261	128
EA15X262	152
EA15X264	199
EA15X265	289A
EA15X266	172A
EA15X267	289A
EA15X268	294
EA15X269	184
EA15X270	185
EA15X271	152
EA15X272	123A
EA15X273	193
EA15X274	192§
EA15X278	297
EA15X288	199
EA15X325	85
EA15X326	158
EA15X327	152
EA15X328	153
EA15X329	266
EA15X330	123A
EA15X331	123A
EA15X332	265
EA15X333	152
EA15X334	153
EA15X335	85
EA15X336	199
EA15X337	123A
EA15X338	229
EA15X339	229
EA15X340	199
EA15X341	159
EA15X342	123AP
EA15X343	289A
EA15X344	297
EA15X345	298
EA15X346	123AP
EA15X347	299§
EA15X349	192§
EA15X350	85
EA15X351	229
EA15X352	199
EA15X353	199
EA15X354	199
EA15X355	199
EA15X356	278
EA15X357	294
EA15X359	382
EA15X360	184
EA15X361	199
EA15X362	295
EA15X363	235
EA15X364	85
EA15X365	123AP
EA15X366	312
EA15X367	123A
EA15X368	107
EA15X369	85
EA15X370	123A
EA15X371	123A
EA15X372	235
EA15X373	123A
EA15X374	85
EA15X375	102A
EA15X376	229
EA15X377	199
EA15X378	297
EA15X379	123A
EA15X380	306
EA15X381	235
EA15X382	199
EA15X383	373#
EA15X384	229
EA15X385	290A
EA15X385(FET)	312
EA15X385(Transistor)	294
EA15X386	199
EA15X388	123A
EA15X389	128
EA15X390	129
EA15X391	235
EA15X392	236
EA15X393	229
EA15X394	312
EA15X395	290A
EA15X396	294
EA15X397	293
EA15X398	306
EA15X399	199
EA15X400	312
EA15X401	312
EA15X402	222
EA15X403(ECB)	159
EA15X404	85
EA15X405	222
EA15X406	186A
EA15X407	152
EA15X408	297
EA15X409	295
EA15X410	235
EA15X411	152
EA15X412	123A
EA15X413	293
EA15X414	235
EA15X415	316
EA15X416	152
EA15X417	222
EA15X418	123AP
EA15X419	123AP
EA15X420	294
EA15X421	199
EA15X422	123A
EA15X423	152
EA15X424	297
EA15X425	298
EA15X427	123AP
EA15X428	289A
EA15X429	236
EA15X430	295
EA15X431	108
EA15X432	108
EA15X433(ECB)	159
EA15X434	85
EA15X436	294
EA15X437	229
EA15X438	186
EA15X439	295
EA15X440	235
EA15X441	85
EA15X442	331
EA15X443	193
EA15X446	312
EA15X448	229
EA15X450	229
EA15X452	199
EA15X455	373
EA15X456	293
EA15X457	85
EA15X459	199
EA15X460	85
EA15X461	107
EA15X462	85
EA15X463	85
EA15X464	184
EA15X465	159
EA15X466	290A
EA15X467	85
EA15X468	158
EA15X469	199
EA15X470	229
EA15X471(ECB)	159
EA15X472	229
EA15X473	123AP
EA15X474	123AP
EA15X475	123AP
EA15X478(ECB)	199
EA15X479	289A
EA15X482	229
EA15X483	229
EA15X484	297
EA15X486	123AP
EA15X487	123AP
EA15X488	85
EA15X489	295
EA15X490	236
EA15X492	290A
EA15X494	289A
EA15X495	85
EA15X498	382
EA15X499	229
EA15X500	289A
EA15X501	85
EA15X503	85
EA15X504	293
EA15X505	294
EA15X506	290A
EA15X507	261
EA15X509	289A
EA15X510	152
EA15X512	123AP
EA15X513	192§
EA15X514	123A
EA15X515	152
EA15X520	85
EA15X524	199
EA15X525	152
EA15X529	2362
EA15X533	2361
EA15X578	2361
EA15X616	2362
EA15X660	2362
EA15X669	2361
EA15X786	2361
EA15X788	2361
EA15X790	2362
EA15X791	2361
EA15X1014	123AP
EA15X1117	123AP
EA15X1133	85
EA15X1135	194
EA15X1422	107
EA15X1423	107
EA15X1424	85
EA15X1425	107
EA15X1427	85
EA15X1710	152
EA15X2015	108
EA15X2024	107
EA15X2025	107
EA15X2110(CBE)	123AP
EA15X2112(CBE)	123AP
EA15X3990	289A
EA15X4064	107
EA15X4152	107
EA15X4335	85
EA15X4531	192§
EA15X4532	123A
EA15X4533	289A
EA15X4632	159
EA15X4633	290A
EA15X4634	159
EA15X4810	85
EA15X4811	85
EA15X4812	85
EA15X5939	123AP
EA15X6840	102A
EA15X7112	123A
EA15X7113	108
EA15X7114	108
EA15X7115	123A
EA15X7117	107
EA15X7118	123AP
EA15X7119	123A
EA15X7120	123A
EA15X7125	107
EA15X7136	108
EA15X7140	108
EA15X7141	107
EA15X7173	319P
EA15X7174	319P
EA15X7175	123A
EA15X7176	123A
EA15X7177	108
EA15X7178	319P
EA15X7179	319P
EA15X7215	107
EA15X7228	108
EA15X7231	107
EA15X7232	123A
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EA15X7234	229
EA15X7235	229
EA15X7236	229
EA15X7241	108
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EA15X7263	107
EA15X7264	229
EA15X7513	123A
EA15X7514	123A
EA15X7516	289A
EA15X7517	123A
EA15X7519	192§
EA15X7520	123A
EA15X7583	199
EA15X7585	108
EA15X7586	123A
EA15X7587	108
EA15X7588	123AP
EA15X7589	123AP
EA15X7590	123A
EA15X7592	294
EA15X7635	128
EA15X7637	123A
EA15X7638	123A
EA15X7639	294
EA15X7640	108
EA15X7642	123AP
EA15X7643	123AP
EA15X7722	108
EA15X7732	159
EA15X7737	159
EA15X8118	153
EA15X8119	152
EA15X8122	189
EA15X8124	152
EA15X8126	152
EA15X8130	153
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EA15X8450	102A
EA15X8502	123AP
EA15X8511	123AP
EA15X8514	293
EA15X8515	123AP
EA15X8516	108
EA15X8517	293
EA15X8518	123AP
EA15X8519	123AP
EA15X8520	85
EA15X8521	297
EA15X8522	298
EA15X8523	123AP
EA15X8524	159
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EA15X8529	123A
EA15X8531	123AP
EA15X8576	123AP
EA15X8589	108
EA15X8601	123AP
EA15X8602	123AP
EA15X8605	185
EA15X8608	108
EA15X8609	108
EA15X8610	108
EA15Y386	199
EA15Y395	290A
EA16X1	109
EA16X2	116
EA16X4	141A
EA16X5	109
EA16X6	141A
EA16X8	116
EA16X9	109
EA16X11	109
EA16X20	177
EA16X21	116
EA16X22	109
EA16X27	109
EA16X29	142A
EA16X30	116
EA16X33	116
EA16X34	116
EA16X35	1003
EA16X36	116
EA16X38	5080A
EA16X39	177
EA16X47	5015A
EA16X47(Diode)	109
EA16X47(Zener)	138A
EA16X48	109
EA16X49	177
EA16X50	5018A
EA16X53	139A
EA16X54	116
EA16X55	116
EA16X57	5080A
EA16X59	177
EA16X60	177
EA16X61	177
EA16X62	139A
EA16X65	116
EA16X67	116
EA16X68	601
EA16X69	601
EA16X71	116
EA16X73	601
EA16X74	139A
EA16X75	177
EA16X76	610
EA16X77	142A
EA16X80	137A
EA16X81	143A
EA16X84	177
EA16X88	138A
EA16X89	5067A
EA16X90	614
EA16X91	519
EA16X92	116
EA16X93	5020A
EA16X94	177
EA16X95	177
EA16X96	145A
EA16X97	109
EA16X100	177
EA16X101	177
EA16X104	5010A
EA16X105	177
EA16X106	612
EA16X107	600
EA16X109	140A
EA16X110	177
EA16X114	136A
EA16X116	601
EA16X117	613
EA16X118	136A
EA16X122	519
EA16X123	5071A
EA16X124	145A
EA16X125	138A
EA16X126	5069A
EA16X127	614
EA16X129	109
EA16X130	614
EA16X134	177
EA16X135	519
EA16X136	135A
EA16X137	5018A
EA16X138	116
EA16X139	109
EA16X140	109
EA16X144	5009A
EA16X146	177
EA16X147	614
EA16X148	109
EA16X149	156
EA16X150	140A
EA16X151	605A
EA16X152	519
EA16X154	5011A
EA16X157	140A
EA16X161	5016A
EA16X162	142A
EA16X163	5012A
EA16X164	5075A
EA16X165	136A
EA16X166	610
EA16X171	177
EA16X172	177
EA16X173	5016A
EA16X175	139A
EA16X176	610
EA16X177	614
EA16X181	109
EA16X182	177
EA16X183	600
EA16X184	5019A
EA16X185	5013A
EA16X186	616
EA16X187	116
EA16X188	136A
EA16X189	140A
EA16X190	5019A
EA16X191	136A
EA16X192	611
EA16X193(Varistor)	607
EA16X193(Zener)	5000A
EA16X203	3024
EA16X205	3012A
EA16X207	3007
EA16X213	3007
EA16X228	3007
EA16X230	3074
EA16X231	3156
EA16X241	137A
EA16X314	139A
EA16X400	5010A
EA16X402	5073A
EA16X403	109
EA16X404	116
EA16X405	116
EA16X406	135A
EA16X407	139A
EA16X408	139A
EA16X409	116
EA16X410	177
EA16X411	5002A
EA16X412	5014A
EA16X413	177
EA16X414	109
EA16X415	139A
EA16X417	5012A
EA16X421	5013A
EA16X424	5019A
EA16X425	177
EA16X426	5016A
EA16X427	611
EA16X428	109
EA16X429	519
EA16X430	116
EA16X431	601
EA16X433	109
EA16X435	5071A
EA16X436	116
EA16X438	5016A
EA16X439	519
EA16X440	116
EA16X441	110MP
EA16X442	177
EA16X443	5074A
EA16X445	177
EA16X446	177
EA16X447	5011A
EA16X448	605A
EA16X450	5011A
EA16X453	601
EA16X454	5019A
EA16X455	5019A
EA16X459	614
EA16X460	5018A
EA16X462	5009A
EA16X463	611
EA16X464	125
EA16X466	5022A
EA16X473	5024A
EA16X474	5024A
EA16X475	5011A
EA16X476	5304
EA16X477	519
EA16X483	5014A
EA16X485	116
EA16X495	5020A
EA16X496	5071A
EA16X498	614
EA16X499	5005A
EA16X500	5011T1
EA16X506	116
EA16X508	5045A
EA18X364	123A
EA33A8396	1155
EA33C8390	1466
EA33X0367	1003
EA33X3537	1624
EA33X8345	1624
EA33X8350	1005
EA33X8351	1027
EA33X8352	1019
EA33X8353	1003
EA33X8354	1003
EA33X8356	1005
EA33X8357	1006
EA33X8362	1180
EA33X8363	1180
EA33X8364	799
EA33X8366	1027
EA33X8367	1003
EA33X8368	1036
EA33X8371	1124
EA33X8372	1142
EA33X8373	789
EA33X8374	1179
EA33X8375	801
EA33X8376	1010
EA33X8377	1135
EA33X8378	722
EA33X8380	1055
EA33X8381	1181
EA33X8383	1301
EA33X8384	1193
EA33X8385	7473
EA33X8387	1185
EA33X8388	1167
EA33X8389	1155
EA33X8390	1475
EA33X8391	1140
EA33X8392	1192
EA33X8394	1192
EA33X8395	1249
EA33X8396	1155
EA33X8397	1248
EA33X8398	1193
EA33X8399	9946
EA33X8450	2060
EA33X8465	2061§
EA33X8468	955M
EA33X8469	923D
EA33X8479	941M
EA33X8491	2061§
EA33X8500	1100
EA33X8501	1272
EA33X8504	1228
EA33X8505	1465
EA33X8508	1249
EA33X8509	1192
EA33X8510	1234
EA33X8511	801
EA33X8515	1466
EA33X8516	1463
EA33X8521	1515
EA33X8522	1439
EA33X8526	1624
EA33X8527	1563
EA33X8528	1463
EA33X8529	1153§
EA33X8530	1530
EA33X8531	4011B
EA33X8533	824
EA33X8534	1470
EA33X8535	1226
EA33X8537	1624
EA33X8538	1154
EA33X8539	1248
EA33X8540	1381
EA33X8541	1563
EA33X8542	1294
EA33X8545	1286
EA33X8546	1624
EA33X8547	1423
EA33X8548	823
EA33X8550	1505
EA33X8551	1465
EA33X8553	1226
EA33X8554	1052
EA33X8558	1497
EA33X8559	1465
EA33X8564	1624
EA33X8566	1475
EA33X8567	1192
EA33X8568	1215
EA33X8569	1654
EA33X8572	1687
EA33X8573	1557
EA33X8576	1619§
EA33X8577	1226
EA33X8578	1516
EA33X8579	1512
EA33X8581	1561
EA33X8582	1248
EA33X8583	1563
EA33X8584	2061§
EA33X8585	1052
EA33X8586	1155
EA33X8588	1155
EA33X8591	1248
EA33X8598	1659
EA33X8599	1606
EA33X8600	2061§
EA33X8605	74LS00
EA33X8607	1248
EA33X8611	1657
EA33X8619	1387
EA33X8700	1512
EA33X8701	1365
EA33X8702	778A
EA33X8703	746
EA33X8704	1475
EA33X8705	1248
EA33X8706	1634
EA33X8707	1379§
EA33X8708	1170
EA33X8709	1634
EA33X8710	1637
EA33X8717	1557
EA33X8719	1373
EA33X8721	1435
EA33X8722	1571
EA33X8751	1842
EA33X8752	1657
EA33X8754	1657
EA33X8765	860
EA33X8798	1843
EA33X8814	1624
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EA33X9010	1657
EA33X9071	1657
EA33X9089	1843
EA33X9103	1657
EA33X9114	1657
EA33X9117	1843
EA33X9559	1465
EA41X556	15008
EA50X12	153MCP
EA54X14	116
EA57X1	116
EA57X3	116
EA57X4	116
EA57X8	116
EA57X10	116
EA57X11	116
EA57X14	116
EA57X16	5304
EA57X17	5304
EA75X1	116
EA100	125
EA1072	116
EA1080	123A
EA1081	102A
EA1082	121
EA1123	109
EA1128	123A
EA1129	123A
EA1135	123A
EA1145	123A
EA1318	142A
EA1337	160
EA1338	160
EA1339	160
EA1340	160
EA1341	121
EA1342	160
EA1343	108
EA1344	123A
EA1345	123A
EA1346	102A
EA1405	177
EA1406	123A
EA1407	123A
EA1408	123A
EA1448	116
EA1451	123A
EA1452	123A
EA1499	123A
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EA1563	108
EA1564	123A
EA1578	123A
EA1581	123A
EA1628	123A
EA1629	123A
EA1630	123A
EA1638	123A
EA1661	177
EA1672	116
EA1684	128
EA1695	123A
EA1696	123A
EA1697	123A
EA1698	128
EA1700	121
EA1703	123A
EA1716	123A
EA1718	123A
EA1733	108
EA1735	123A
EA1740	130
EA1760	717
EA1793	108
EA1872	123A
EA1873	128
EA2131	107
EA2132	107
EA2133	126A
EA2134	102A
EA2135	102A
EA2136	158
EA2137	110MP
EA2140	116
EA2176	102A
EA2271	123A
EA2429	199
EA2488	186
EA2489	123A
EA2490	123A
EA2491	126A
EA2493	108
EA2494	107
EA2495	108
EA2496	107
EA2497	126A
EA2498	126A
EA2499	116
EA2500	142A
EA2501	116
EA2502	109
EA2600	108
EA2601	108
EA2602	108
EA2603	108
EA2604	108
EA2605	108
EA2606	110MP
EA2607	177
EA2608	136A
EA2608(Diode)	177
EA2738	199
EA2739	123A
EA2740	123A
EA2741	116
EA2770	123A
EA2771	199
EA2812	107
EA3127	109
EA3149	123A
EA3212	131
EA3239	131
EA3278	312
EA3282	1003
EA3406	108
EA3407	172A
EA3447	177
EA3674	186
EA3713	229
EA3714	159
EA3715	153
EA3716	152
EA3718	109
EA3719	142A
EA3763	199
EA3827	116
EA3866	139A
EA3989	116
EA3990	192§
EA4025	199
EA4026	199
EA4055	152
EA4057	116
EA4085	152
EA4112	123A
EA4147	153
EA5711	116
EA6801	1000§
EA7314	159
EA7316A	2060
EA7316B	2060
EAA00-02700	295
EAA00-11300	2326
EAA00-12800	261
EAA00-13400	85
EAA00-13900	54
EAA00-16800	261
EAA00-17400	261
EAA00-17500	85
EAB00-04000	374
EAB00-06500	264
EAB00-06600	290A
EAB00-07100	290A
EAB00-08300	292
EAB00-08600	262
EAB00-08900	25
EAB00-09500	290A
EAB00-09900	25
EAC00-00400	519
EAC00-00600	116
EAC00-05400	116
EAC00-09300	590
EAC00-09500	579
EACT0-00300	177
EACT0-00400	519
EACT0-08100	586
EAD00-08200	5021A
EAD00-08400	5022A
EAD00-08700	146A
EAD00-09200	5013A
EAD00-1040	5009A
EAD00-10100	5009A
EAD00-10400	5009A
EAD00-15000	5014A
EAD00-15100	145A
EAD00-16700	137A
EAD00-17200	5088A
EAD00-20200	5013A
EAD00-20700	5142A
EAD00-20800	5085A
EAD00-21700	140A
EAD00-25300	146A
EAE00-12600	5313
EAE00-14700	5329◆
EAF00-01600	3042
EAI-380	184
EAOX12	153 + 152(CP)
EAQ00-02000	7404
EAQ00-05000	75452B
EAQ00-07500	7406
EAQ00-07514	7406
EAQ00-187-00	74LS138
EAQ00-1200	74LS04
EAQ00-11100	955M
EAQ00-11300	7437
EAQ00-12100	74LS00
EAQ00-12200	74LS04
EAQ00-12300	74LS08
EAQ00-12400	74LS10
EAQ00-12700	74LS74A
EAQ00-12900	74LS123
EAQ00-12914	74LS123
EAQ00-13000	74LS155
EAQ00-13100	74LS174
EAQ00-15200	7407
EAQ00-17200	74LS14
EAQ00-17600	74LS32
EAQ00-18700	74LS138
EAQ00-19000	74LS365A
EAQ00-19300	74LS374
EAQ00-19400	74LS244
EAQ00-20300	74LS163A
EAQ00-21500	74LS139
EAQ00-22100	74LS245
EAQ00-22600	74LS373
EAQ00-22614	74LS373
EAQ00-22900	74LS155
EAQ00-23600	74LS257
EAQ00-24000	74LS33
EAQ00-24700	74LS156
EAQ00-30000	75188
EAQ00-30200	75189
EAQ00-30300	74LS378
EAQ02-13AB	5022A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
EAQ02-14A	5023A
EAS00-00700	960
EAS00-05800	834
EAS00-06100	778A
EAS00-09000	941M
EAS00-09700	967
EAS00-12900	943M
EAS00-13500	966
EAW00-00700	312
EAX012	153MCP
EB0001	102A
EB0003	102A
EB1(Elcom)	166
EB2(Elcom)	168
EB3(Elcom)	166
EB4(Elcom)	167
EB6(Elcom)	168
EB7(Elcom)	169
EB9(Elcom)	166
EB10(Elcom)	167
EB11(Elcom)	168
EB12(Elcom)	169
EB13(Elcom)	170
EB301GN	9301
EB301GP	9301
EB302GN	9302
EB302GP	9302
EB303GN	9303
EB303GP	9303
EB304GN	9304
EB304GP	9304
EB306GN	9306
EB306GP	9306
EB307GN	9307
EB307GP	9307
EB311GN	9311
EB311GP	9311
EB312GN	9312
EB312GP	9312
EB321GN	9321
EB321GP	9321
EB322GN	9322
EB322GP	9322
EB323GN	9323
EB323GP	9323
EB324GN	9324
EB324GP	9324
EB325GN	9325
EB325GP	9325
EB326GN	9326
EB326GP	9326
EB331GN	9331
EB331GP	9331
EB332GN	9332
EB332GP	9332
EB333GN	9333
EB333GP	9333
EB335GN	9335
EB335GP	9335
EB342GN	9342
EB342GP	9342
EB343GN	9343
EB343GP	9343
EB347GN	9347
EB347GP	9347
EB361GN	9361
EB361GP	9361
EB363GN	9363
EB363GP	9363
EB367GN	9367
EB367GP	9367
EB368GN	9368
EB368GP	9368
EB370GN	9370
EB370GP	9370
EB371GN	9371
EB371GP	9371
EB372GN	9372
EB372GP	9372
EB375GN	9375
EB375GP	9375
EB380GN	9380
EB380GP	9380
EB382GN	9382
EB382GP	9382
EB383GN	9383
EB383GP	9383
EB390GN	9390
EB390GP	9390
EB391GN	9391§
EB391GP	9391§
EB392GN	9392§
EB392GP	9392§
EB393GN	9393§
EB393GP	9393§
EB394GN	9394
EB394GP	9394
EB-134144	194
EC100	125
EC103A	5402
EC103A3	5402
EC103B	5404
EC103B3	5404
EC103C3	5405
EC103D	5405
EC103D3	5405
EC103E3	5406
EC103M	5406
EC103M3	5406
EC103Y	5400
EC106A1	5454
EC106A2	5454
EC106B1	5455
EC106B2	5455
EC106D1	5457
EC106D2	5457
EC106F1	5453
EC106F2	5453
EC/106K	20408
EC106Y1	5452
EC106Y2	5452
EC107A1	5413
EC107A2	5413
EC107B1	5414
EC107B2	5414
EC107D1	5457
EC107D2	5457
EC107F1	5412
EC107F2	5412
EC107Y1	5411
EC107Y2	5411
EC401	116
EC402	116
EC961	130
EC3045	288
ECA324E	987
ECC-01262	9932
ECC-01263	9945
ECC-01264	9946
ECC-01265	9962
ECC-01266	9951
ECC-01267	9930
ECC376	5645
ECD4001B	4001B
ECD4002B	4002B
ECD4007UB	4007
ECD4011B	4011B
ECD4012B	4012B
ECD4013B	4013B
ECD4014B	4014B
ECD4015B	4015B
ECD4016B	4016B
ECD4017B	4017B
ECD4018B	4018B
ECD4020B	4020B
ECD4021B	4021B
ECD4022B	4022B
ECD4023B	4023B
ECD4024B	4024B
ECD4027B	4027B
ECD4028B	4028B
ECD4029B	4029B
ECD4030B	4030B
ECD4040B	4040B
ECD4042B	4042B
ECD4043B	4043B
ECD4046B	4046B
ECD4048B	4048B
ECD4050B	4050B
ECD4051B	4051B
ECG117A	5809◆
ECG122	5483§
ECG132	312
ECG133	312
ECG541	548
ECG547	517
ECG555	555A
ECG733	804
ECG1640	1642*
ECG3014	3014A
ECG5649	5679◆
ECG5672	5679
ECR0510	125
ECR-600-2	116
ED0011	5018A
ED0012	5018A
ED0031	580
ED0035	5012A
ED0036	5012A
ED0039	145A
ED0056	580
ED0059	116
ED0061D	5010A
ED0067	5629
ED0084A	5012A
ED0084B	5012A
ED0084C	5012A
ED0084D	5012A
ED0109E	5013A
ED0111	5004A
ED0114XT	595
ED0116XT	595
ED0120	116
ED0147	5004A
ED0173	125
ED0214F	5013A
ED0226A	5023A
ED0278	552
ED0328	5014A
ED0353	552
ED0366	552
ED0372	580
ED2(Elcom)	112
ED3(Elcom)	112
ED-4	116
ED4(Elcom)	109
ED-5	116
ED-6	116
ED6(Elcom)	109
ED6.2EB	137A
ED7	116
ED7(Elcom)	112
ED8(Elcom)	156
ED9(Elcom)	109
ED10(Elcom)	110MP
ED11(Elcom)	110MP
ED12(Elcom)	109
ED21(Elcom)	177
ED23(Elcom)	506
ED24(Elcom)	173BP§
ED29(Elcom)	156
ED31(Elcom)	177
ED32(Elcom)	177
ED-46	109
ED46	109
ED51	160
ED52	100
ED53	100
ED54B	100
ED55	102A
ED56	102A
ED57	102A
ED60	109
ED-60	109
ED123	3020
ED150Z	123A
ED201	3050
ED592K	229
ED592M	108
ED730	3041
ED1402	123A
ED-1402	123A
ED1402A	123A
ED1402A/09-305066	123A
ED1402B	123A
ED1402C	123AP
ED1402C/30	123A
ED1402C/30V	123A
ED1402D	123AP
ED1402D/30V	123A
ED1402E	123AP
ED1403D	123A
ED1403D/30V	123A
ED1502	233
ED1502A	233
ED1502B	233
ED1502C	233
ED-1502C	229
ED1502D	233
ED1502E(EBC)	229
ED1502F	229
ED1502R	233
ED1602	159
ED1602A	159
ED1602B	159
ED1602C(ECB)	159
ED1602D	159
ED1602D/30V	159
ED1602D(ECB)	159
ED1602DE	159
ED1602E	159
ED1702	128P◆
ED1702C	128P◆
ED1702D	128P◆
ED1702K	128P◆
ED1702L	128P◆
ED1702L/09-305068	128P◆
ED1702M	128P◆
ED1702N	128P◆
ED1802	159
ED1802-0	159
ED1802C	294
ED1802L	288
ED1802M	159
ED1802N	294
ED1804	116
ED1892	116
ED2106	116
ED2107	116
ED2108	116
ED2109	116
ED2110	116
ED2842	116
ED2843	116
ED2844	116
ED2845	116
ED2846	116
ED2847	125
ED2848	125
ED2849	125
ED2910	125
ED2911	125
ED2912	125
ED2913	125
ED2914	116
ED2915	116
ED2916	116
ED2917	116
ED2918	116
ED2919	116
ED2920	116
ED2921	116
ED2922	125
ED2923	125
ED2924	125
ED3000	116
ED3000A	116
ED3000B	116
ED3001	116
ED3001A	116
ED3001B	116
ED3002	116
ED3002A	116
ED3002B	116
ED3003	116
ED3003A	116
ED3003B	116
ED3003S	116
ED3004	116
ED3004A	116
ED3004B	116
ED3005	116
ED3005A	116
ED3005B	116
ED3006	116
ED3006A	116
ED3006B	116
ED3007	125
ED3007A	125
ED3007B	125
ED3008	125
ED3008A	125
ED3008B	125
ED3009	125
ED3009A	125
ED3009B	125
ED3010	125
ED3010A	125
ED3010B	125
ED17004	102A
ED17006	121
ED17010	128
ED219464	109
ED223547	116
ED224548	116
ED224550	116
ED306937	5024A
ED329128	116
ED329130	116
ED490511	605A
ED491130	5073A
ED494583	116
ED498150	5078A
ED511097	116
ED511918	5081A
ED514721	177
ED515790	177
ED516420	177
ED536062	177
ED560913	177
ED624903	519
ED698826	3007
EDC TR11-1	199
EDC TR11-4	128
EDC TR11-5	128
EDC-Q10-1	123A
EDG-0001	109
EDG-0003	109
EDG-0006	109
EDG-1	109
EDG-3	109
EDG-6	109
EDH6023	519
EDi7002	121
EDJ-363	116
EDMF-15B	503
EDMF-25b	504
EDMF-25B	504
EDMF25B	504
EDO 219	123A
EDS-0001	177
EDS-0002	116
EDS-0004	116
EDS-0014	177
EDS-0017	116
EDS-0024	116
EDS-0038	601
EDS-0042	614
EDS-1	507
EDS-4	116
E-DS17	116(2)
EDS-17	116
E-DS18	116(2)
EDS-24	116
EDS-25	177
EDS-100	123A
E-DS135D	116
E-DS442	177
E-DS442VG1	177
E-DS442-VG1	177
E-DS442YG1	177
EDZ-0041	5072A
EDZ-0042	139A
EDZ-0045	139A
EDZ-2	138A
EDZ-19	136A
EDZ-20	5071A
EDZ-23	139A
EDZ-24	5072A
EE100	102
EER600-2	5809
EE-SJ3W-B	3103
EE-SM3B	3101
EF1(Elcom)	312
EF2(Elcom)	312
EF3	312
EF4(Elcom)	222
EF5(Elcom)	222
EF100	125
EF150	558
EF200	525
EF2114	2114
EF2114-20	2114
EF2114-25	2114
EF2114-30	2114
EF2114-40	2114
EF2114P-20	2114
EF2114P-25	2114
EF2114P-30	2114
EF6810	6810
EF6810C	6810
EF6810P	6810
EG01	552
EG01A	552
EG01C	558
EG01Y	587
EG01Z	587
EG1	552
EG1A	552
EG1Y	587
EG1Z	587
EG100	116
EG100H	116
EG200	525
EGA01-11	5074A
EGE06-02	5543#
EGE06-04	5545#
EGE06-06	5547#
EGE06-08	5548#
EGE16-02	5543◆
EGE16-04	5545◆
EGE16-06	5547◆
EGE16-08	5548◆
EGG06-02	5567◆
EGG06-04	5568◆
EGG06-06	5568◆
EGG06-08	5569◆
EGH16-06	5577#
EGH16-08	5579#
EGH16-10	5579#
EGH16-12	5579#
EGP10A	587
EGP10B	587
EGP10C	587
EGP10D	587
EGP10F	576◆
EGP10G	576◆
EGP20A	588
EGP20B	588
EGP20C	588
EGP20D	588
EGP20F	576◆
EGP20G	576◆
EGP30A	588
EGP30B	588
EGP30C	588
EGP30D	588
EGP30F	576
EGP30G	576
EGP30GL	576
EGP30GL-6072	576
EGP50A	576
EGP50B	576
EGP50C	576
EGP50D	576
EGP50F	576
EGP50G	576
E-GZA5R1Z	5010A
EH-1	552
EH-1A	552
EH1Y1	558
EH-1Z	552
EH1Z	552
EH2C11	116(3)
EH16X20	177
E-HA12413	1557
EI306941	1331
EI307200	1489
EI517342	1011§
EI650586	788
EICM-0037	1052
EICM-0060	1155
EICM-14	1103
EK03	585
EK-04	585
EK04	585
EK04LF	585
EK06	578
EK09	578
EK13	586
EK14	586
EK14-F5	586
EK16	579
EK19	579
EK136	102A
EK159	100
EL1Z	587
EL1Z-V1	587
El3-006-02	159
EL75	229
EL131	312
EL214	128
EL232	123A
EL264	129
EL274(BEC)	395◆
EL401	172A
EL403	123AP
EL-403	289A
EL434	107
EL504	49
EL554	50
EL614	194
EL694	288
ELA1101P	3111
ELA1131P	3113
ELA2101P	3112
ELA2131P	3114
E-LA4192	1667
EM01	116
EM01A	116
EM01Z	116
EM01ZW	116
EM02BM	125
EM02BMV	125
EM02BMV0	125
EM-1	116
EM1A	125
EM1B	125
EM1C	125
EM1J2	116
EM1Y	116
EM-1Z	116
EM1Z	116
EM-1ZS	116
EM1ZV	116
EM2	125
EM2A	125
EM2B	125
EM9-8	914
EM401	116
EM402	116
EM403	116
EM404	116
EM405	116
EM406	116
EM407	116
EM408	116
EM410	116
EM500	116
EM501	116
EM502	116
EM503	116
EM504	116
EM505	116
EM506	116
EM507	125
EM508	125
EM510	125
EM1021	116
EMJ14SM	2406
EMJ16SM	2407
EMJ29AS	2402
EMJ61SM	2431
EMJ93SM	2430
EMJ110	2340
EMJ428S	2401
EMJ7126	2049
EMO1	116
EMO1A	116
EMO1Z	116
EMS72258	519
EMS73278	128
EMS73279	128
EMS-73500	123A
EMS 72272	519
EN697	123A
EN706	123A
EN708	123A
EN718A	108
EN722	159
EN744	123A
EN870	129
EN914	123A
EN916	108
EN918	108
EN930	123A
EN956	123A
EN1132	159
EN1364	1231
EN1414	1403
EN1613	128
EN1711	128
EN2219	123A
EN2222	123A
EN2369A	123A
EN2482	123AP
EN2484	199
EN2878	289A
EN2894	159
EN2894A	159
EN2905	129
EN2907	159
EN3009	123A
EN3011	123A
EN3013	123A
EN3014	123A
EN3250	159
EN3502	129
EN3504	159
EN3563	108
EN3903	123A
EN3904	123A
EN3905	159
EN3906	159
EN3962	159
EN5172	107
EN11238	1669§
EN11301	1231
EN11401	1401
EN11414	1403
EN11436	1650
EN11438	986
ENB121D-05A	1V075
ENB121D-7A	1V075
ENB121D-10A	2V075
ENB121D-14A	2V075
ENB151D-05A	1V095
ENB151D-07A	1V095
ENB151D-10A	2V095
ENB151D-14A	2V095
ENB201D-05A	1V095
ENB201D-07A	1V115
ENB201D-10A	2V115
ENB201D-14A	2V115
ENB220D-05B	1V014
ENB220D-07B	1V014
ENB220D-10B	2V014
ENB220D-14B	2V014
ENB221D-05A	1V130
ENB221D-07A	1V130
ENB221D-10A	2V130
ENB221D-14A	524V13
ENB221D-20A	524V13
ENB251-10A	524V15
ENB251-14A	524V15
ENB251-20A	524V15
ENB251D-05A	1V150
ENB251D-07A	1V150
ENB251D-10A	2V150
ENB251D-14A	2V150
ENB251D-20A	524V15
ENB270D-05B	1V017
ENB270D-07B	1V017
ENB270D-10B	2V017
ENB270D-14B	2V017
ENB330D-05B	1V020
ENB330D-07B	1V020
ENB330D-10B	2V020
ENB330D-14B	2V020
ENB390D-05B	1V025
ENB390D-07B	1V025
ENB390D-10B	2V025
ENB390D-14B	2V025
ENB401D-05A	1V250
ENB401D-07A	1V250
ENB401D-10A	2V250
ENB401D-14A	2V250
ENB401D-20A	524V25
ENB461D-10A	2V420
ENB461D-14A	2V420
ENB461D-20A	524V42
ENB470D-05B	1V030
ENB470D-07B	1V030
ENB470D-10B	2V030
ENB470D-14B	2V030
ENB560D-05B	1V035
ENB560D-07B	1V035
ENB560D-10B	2V035
ENB560D-14B	2V035
ENB680D-05B	1V040
ENB680D-07B	1V040
ENB680D-10B	2V040
ENB680D-14B	2V040
ENB801D-14A	2V480
ENB801D-20A	524V48
ENB850D-05A	1V050
ENB850D-07A	1V050
ENB850D-10A	2V050
ENB850D-14A	2V050
EO44A	102A
EO65	100
EO66	100
EO67	100
EO68	100
EO70	126A
EO105	100
EO704	116
EO771-3	139A
EP01C	558
EP5X5	116
EP6X10	177
EP6X11	506
EP14X84	HiDiv-4
EP15X0019	376
EP15X0068	377
EP15X1	123AP
EP15X2	123AP
EP15X3	199
EP15X4	129
EP15X5	128
EP15X5(Transistor)	128
EP15X6	289A
EP15X7	123A
EP15X8	123AP
EP15X9	123AP
EP15X10	5404
EP15X11	196
EP15X12	238
EP15X13	193
EP15X14	196
EP15X15	153
EP15X16	124
EP15X17	159
EP15X18	154
EP15X19	198
EP15X19(Metal)	128
EP15X19(Plastic)	194
EP15X19(Power)	375
EP15X20	233
EP15X21	193
EP15X22	152
EP15X23	153
EP15X24	211
EP15X25	210
EP15X26	159
EP15X27	171
EP15X28	165
EP15X29	284
EP15X30	196
EP15X31	5457
EP15X32	373
EP15X33	128
EP15X34	286
EP15X35	124
EP15X36	142A
EP15X43	196
EP15X44	197
EP15X45	165
EP15X47	123A
EP15X48	159
EP15X48(ECB)	290A
EP15X48(NPN)	123A
EP15X48(PNP)	159
EP15X49	123A
EP15X50	198
EP15X51	193
EP15X53	159
EP15X54	233
EP15X55	108
EP15X57	290A
EP15X58	54
EP15X60	159
EP15X61	171
EP15X63	109
EP15X64	222
EP15X68	152
EP15X83	123AP
EP15X84	123AP
EP15X85	123AP
EP15X86	123AP
EP15X87	123AP
EP15X88	123AP
EP15X89	123AP
EP15X90	159
EP15X90(IC)	960
EP15X91	190
EP15X97	152
EP15X104	69
EP15X105	375
EP15X106	5404
EP15X108	86
EP15X109	46
EP15X123	375
EP15X125	375
EP15X126	290A
EP15X128(NPN)	85
EP15X128(PNP)	290A
EP15X130	85
EP15X131	289A
EP15X135(BCE)	290A
EP15X141	229
EP15X142	291
EP15X143	123AP
EP15X217	5424
EP15X218	89
EP15X221	49
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ERB2404D	552
ERB2406A	552
ERB2406C	552
ERB2406D	552
ERB2802	552
ERB2804	552
ERB4302	552
ERB4304	552
ERB4304G	552
ERB4304V	552
ERB4308	558
ERB4402	552
ERB4404V	552
ERB4406	552
ERB4408	558
ERB8104L6	586
ERB81004	586
ERB84009	579
ERC01-02	125
ERC01-02F	125
ERC01-02FL	125
ERC01-02FL12	125
ERC01-02FP	125
ERC01-02L	125
ERC01-02L12	125
ERC01-04	125
ERC01-04F	125
ERC01-06	125
ERC01-10	125
ERC01-12	125
ERC02-02F	125
ERC04-02	125
ERC04-02E3	125
ERC04-02F	125
ERC04-04	125
ERC04-04F	125
ERC04-06	125
ERC04-10	125
ERC05-06	125
ERC05-08	125
ERC05-08V	125
ERC05-10	125
ERC06	506
ERC06-13	506
ERC06-13L	525
ERC06-15	506
ERC06-15L	525
ERC06-15S	525
ERC0102F	125
ERC0102FP	125
ERC0102L12	125
ERC0104	125
ERC0104F	125
ERC0202F	125
ERC0410	125
ERC0506	125
ERC0508	125
ERC0508V	125
ERC0510	125
ERC0510V	125
ERC0615	525
ERC12-08	125
ERC13-06	125
ERC13-08	125
ERC20-02	598
ERC20-04	598
ERC20-06	598
ERC20M-02	598#
ERC20M-04	598#
ERC20M-06	598#
ERC24-04	552
ERC24-06	552
ERC24-06S	552
ERC24-10	552
ERC25-04	552
ERC25-06	552
ERC25-06S	552
ERC26-13	506
ERC26-15S	506
ERC26-15T	506
ERC27-13	506
ERC27-15	506
ERC30-01	588
ERC30-02	588
ERC33-02	587
ERC35-02	588
ERC38-04	576
ERC38-05	577
ERC38-06	577
ERC44-04	552
ERC46-02	580
ERC46-04	580
ERC47-02	580
ERC47-04	580
ERC62-004	6083
ERC62M-004	6083#
ERC80-004	6083
ERC80M-004	6083#
ERC81-004	586
ERC81-004L	586
ERC81-004L12	586
ERC81-04	586
ERC81-04L7	586
ERC81-04L12	586
ERC84-009	579
ERC90-02	597
ERC90M-02	597#
ERC91-02	588
ERC1208	125
ERC1306	125
ERC1308	125
ERC3001	588
ERC4702	580
ERC8104	586
ERC8104L7	586
ERC8104L12	586
ERC81004	586
ERC81004L7	586
ERC84009	579
ERCC4-06	125
ERD-02	506
ERD02-06	125
ERD02-10	156
ERD03-02	156
ERD03-04	156
ERD-04	506
ERD-06	506
ERD07-13	506
ERD07-15	506

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ERD07-15L	506
ERD0715	506
ERD24-005	5819
ERD24-01	5819
ERD24-02	5819
ERD24-04	5821
ERD24-06	5823‡
ERD24-06D	552
ERD28-04	580
ERD28-04S	580
ERD28-06	580
ERD28-08	506
ERD28-08S	506
ERD28-045	580
ERD29-02	580
ERD29-02H3	580
ERD29-04	580
ERD29-04H2	580
ERD29-06	580
ERD29-08	506
ERD29-08J	506
ERD32-01	588
ERD32-02	588
ERD33-02	588
ERD38-05	577
ERD38-06	577
ERD47-02	580
ERD51-01	5874‡
ERD51-03	5878‡
ERD51-06	5882‡
ERD51-09	5890‡
ERD74-005	5818
ERD74-01	5818
ERD74-02	5818
ERD74-04	5820
ERD74-06	5822‡
ERD75-005	5818‡
ERD75-01	5818‡
ERD75-02	5818‡
ERD81-004	6084
ERD300	116
ERD400	116
ERD700	125
ERD800	125
ERD900	125
ERD1000	125
ERD2904	580
ERD38004	576
ERE24-005	6007
ERE24-01	6007
ERE24-02	6007
ERE24-04	6009
ERE24-06	6011‡
ERE51-01	5982‡
ERE51-03	5990‡
ERE51-06	5994‡
ERE51-09	6002‡
ERE74-005	6006
ERE74-01	6006
ERE74-02	6006
ERE74-04	6008
ERE74-06	6010‡
ERE75-005	6006‡
ERE75-01	6006‡
ERE75-02	6006‡
ERE81-004	6094
ERG01-01	5992‡
ERG01-03	5992‡
ERG01-06	5994‡
ERG01-09	6002‡
ERG24-005	6007
ERG24-01	6007
ERG24-02	6007
ERG24-04	6009
ERG51-01	5982‡
ERG51-03	5990‡
ERG51-06	5994‡
ERG51-09	6002‡
ERG74-005	6006
ERG74-01	6006
ERG74-02	6006
ERG74-04	6008
ERG75-005	6006‡
ERG75-01	6006‡
ERG75-02	6006‡
ERG81-004	6094
ERG81A-004	6094
ERM12-02	125
ERS120	396
ERS140	396
ERS160	396
ERS180	396
ERS200	396
ERS225	396
ERS250	396
ERS275	396
ERS301	396
ERS325	396
ERS350	396
ERS375	396
ERS401	396
ERS425	396
ERS450	396
ERV-02F2150	116
ERZ-08D3K121	5097A
ERZ15D3K471	601
ERZC03DK220	1V014◆
ERZC03DK220S	1V014
ERZ-C05DK22	1V014
ERZ-C05DK27	1V017
ERZ-C05DK33	1V020
ERZ-C05DK56	1V035
ERZ-C05DK82	1V050
ERZ-C05DK101	1V060
ERZ-C05DK121	1V075
ERZ-C05DK151	1V095
ERZ-C05DK201	1V130
ERZ-C05DK220	1V014
ERZ-C05DK241	1V150
ERZ-C05DK270	1V017
ERZ-C05DK271	1V175
ERZ-C05DK330	1V020
ERZ-C05DK390	1V025
ERZ-C05DK391	1V250
ERZ-C05DK431	1V275
ERZ-C05DK470	1V030
ERZ-C05DK471	1V300
ERZ-C05DK560	1V035
ERZ-C05DK680	1V040
ERZ-C05DK820	1V050
ERZ-C07DK101	1V060
ERZ-C07DK121	1V075
ERZ-C07DK151	1V095
ERZ-C07DK201	1V130
ERZ-C07DK241	1V150
ERZ-C07DK271	1V175
ERZ-C07DK391	1V250
ERZ-C07DK431	1V275
ERZ-C07DK471	1V300
ERZ-C07DK681	1V060
ERZ-C10DK101	2V060
ERZ-C10DK121	2V075
ERZ-C10DK151	2V095
ERZ-C10DK201	2V130
ERZ-C10DK220	2V014
ERZ-C10DK241	2V150
ERZC10DK241U	2V150
ERZ-C10DK270	2V017
ERZ-C10DK271	1V175
ERZ-C10DK330	2V020
ERZ-C10DK390	2V025
ERZ-C10DK391	2V150
ERZ-C10DK431	2V275
ERZ-C10DK471	2V300
ERZ-C10DK561	2V035
ERZ-C10DK681	2V420
ERZ-C10DK781	2V480
ERZ-C10DK820	2V050
ERZC10ZK241U	2V150
ERZ-C14DK101	2V060
ERZ-C14DK121	2V075
ERZ-C14DK151	2V095
ERZ-C14DK201	2V130
ERZ-C14DK220	2V014
ERZ-C14DK241	2V150
ERZ-C14DK270	2V017
ERZ-C14DK271	524V17
ERZ-C14DK330	2V020
ERZ-C14DK390	2V025
ERZ-C14DK391	2V150
ERZ-C14DK431	2V275
ERZ-C14DK470	2V030
ERZ-C14DK471	2V300
ERZ-C14DK560	2V035
ERZ-C14DK680	2V040
ERZ-C14DK681	2V420
ERZ-C14DK781	2V480
ERZ-C14DK820	2V050
ERZ-C20DK201	524V13
ERZ-C20DK241	524V15
ERZ-C20DK271	524V17
ERZ-C20DK391	524V25
ERZ-C20DK431	524V27
ERZ-C20DK471	524V30
ERZ-C20DK621	524V42
ERZ-C20DK781	524V48
ERZC100K241	2V150
ES01	552
ES01A	552
ES01F	558
ES01V	552
ES01Z	552
ES-1	552
ES1	552
ES1(Diode)	552
ES1(Elcom)	160
ES1A	552
ES1C	552
ES1F	558
ES1F-V1	558
ES-1V	552
ES1Z	552
ES2(Elcom)	102A
ES3	126A
ES3(Elcom)	102A
ES4(Elcom)	158
ES5	101
ES5(Elcom)	103A
ES6(Elcom)	103A
ES7	104
ES7(Elcom)	131
ES8(Elcom)	160
ES9	104
ES9(Elcom)	104
ES10	105
ES10(Elcom)	105
ES11(Elcom)	160
ES13	104
ES13(Elcom)	104
ES14	126A
ES14(Elcom)	160
ES15(Elcom)	160
ES15X1	123A
ES15X2	108
ES15X3	108
ES15X4	102A
ES15X6	108
ES15X7	123A
ES15X8	102A
ES15X9	159
ES15X10	108
ES15X11	123A
ES15X12	152
ES15X14	123A
ES15X16	123A
ES15X17	121
ES15X18	108
ES15X19	108
ES15X20	123A
ES15X22	233
ES15X23	123A
ES15X24	123A
ES15X30	108
ES15X31	102A
ES15X32	102A
ES15X37	123A
ES15X42	123A
ES15X43	121
ES15X45	104
ES15X48	103A
ES15X49	102A
ES15X50	102A
ES15X51	104
ES15X52	127
ES15X53	102A
ES15X54	127
ES15X55	102A
ES15X56	161
ES15X57	161
ES15X58	123A
ES15X59	154
ES15X60	108
ES15X61	126A
ES15X62	123A
ES15X63	102A
ES15X64	123A
ES15X65	161
ES15X66	107
ES15X67	107
ES15X68	123A
ES15X69	108
ES15X70	123A
ES15X71	103A
ES15X72	102A
ES15X73	126A
ES15X74	103A
ES15X75	158
ES15X76	123A
ES15X77	127
ES15X78	104
ES15X79	161
ES15X80	107
ES15X81	107
ES15X82	107
ES15X83	123A
ES15X84	123A
ES15X85	123A
ES15X86	152
ES15X87	161
ES15X88	161
ES15X89	154
ES15X90	290A
ES15X92	312
ES15X93	128
ES15X94	165
ES15X95	124
ES15X96	161
ES15X97	107
ES15X98	175
ES15X99	158
ES15X100	102A
ES15X101	159
ES15X102	107
ES15X104	161
ES15X105	161
ES15X106	233
ES15X107	159
ES15X122	161
ES15X123	161
ES15X125	241
ES15X126	163A
ES15X127	233
ES15X128	159
ES16(Elcom)	130
ES16X2	109
ES16X3	109
ES16X5	109
ES16X6	109
ES16X7	109
ES16X12	109
ES16X13	116
ES16X14	109
ES16X16	506
ES16X20	506
ES16X21	110MP
ES16X23	177
ES16X24	177
ES16X25	116
ES16X27	519
ES16X28	506
ES16X29	5080A
ES16X30	177
ES16X31	506
ES16X32	177
ES16X33	156
ES16X40	177
ES16X41	5079A
ES16X58	5024A
ES16X70	110MP
ES16X103	109
ES17(Elcom)	102A
ES18	121
ES18(Elcom)	104
ES19	102A
ES19(Elcom)	160
ES20(Elcom)	123A
ES21	105
ES21(Elcom)	121
ES22(Elcom)	128
ES23	102A
ES23(Elcom)	160
ES24(Elcom)	124
ES25	100
ES25(Elcom)	160
ES26	100
ES26(Elcom)	102A
ES27(Elcom)	179
ES28(Elcom)	155
ES29(Elcom)	131
ES30	103A + 158(CP)
ES31(Elcom)	130
ES32(Elcom)	154
ES33(Elcom)	162
ES34(Elcom)	159
ES35(Elcom)	130MP
ES36(Elcom)	175
ES37(Elcom)	158
ES38(Elcom)	103A
ES39(Elcom)	157
ES40(Elcom)	194
ES41	126A
ES41(Elcom)	160
ES42(Elcom)	127
ES43(Elcom)	181
ES44(Elcom)	175
ES45(Elcom)	175
ES46	123
ES46(Elcom)	123A
ES47(Elcom)	6400B
ES47X1	116
ES-48	124
ES49(Elcom)	218
ES50(Elcom)	131
ES51(Elcom)	129
ES51X65	128
ES53(Elcom)	123A
ES54(Elcom)	161
ES55(Elcom)	162
ES56(Elcom)	128
ES57(Elcom)	128
ES57X1	116
ES57X2	116
ES57X4	116
ES57X5	116
ES57X6	113A
ES57X7	138A
ES57X8	506
ES57X9	506
ES57X11	505
ES57X12	177
ES57X13	503
ES57X21	503
ES58(Elcom)	184
ES59(Elcom)	179
ES60(Elcom)	185
ES61(Elcom)	226
ES62(Elcom)	128
ES63(Elcom)	176
ES64(Elcom)	219
ES65(Elcom)	159
ES66(Elcom)	182§
ES67(Elcom)	183§
ES68(Elcom)	185
ES69(Elcom)	390
ES71(Elcom)	162
ES72(ELCOM)	311
ES73(Elcom)	161
ES74(Elcom)	180
ES75(Elcom)	172A
ES75X1	712
ES76(Elcom)	171
ES80(Elcom)	152
ES81	189
ES81(Elcom)	153
ES82(Elcom)	188
ES83(Elcom)	189
ES84	163A
ES84(Elcom)	163A
ES84X1	1008§
ES84X2	1018
ES84X3	712
ES85(Elcom)	123A
ES86(Elcom)	161
ES-88	195A
ES89	171
ES89(Elcom)	171
ES90	219
ES90(Elcom)	219
ES91(Elcom)	176
ES93	258
ES94	225
ES94(Elcom)	225
ES95	165
ES95(Elcom)	165
ES96	191
ES96(Elcom)	191
ES97	194
ES97(Elcom)	194
ES103	196
ES104	197
ES105	253
ES106	254
ES107	232
ES108	243
ES109	244
ES112	234
ES113	241
ES114	242
ES501	105
ES501(Elcom)	105
ES503	121
ES503(Elcom)	104
ES1513	503
ES1627	177
ES3110	126A
ES3111	126A
ES3112	126A
ES3113	126A
ES3114	126A
ES3115	126A
ES3116	126A
ES3120	102A
ES3121	102A
ES3122	102A
ES3123	102A
ES3124	102A
ES3125	102A
ES3126	102A
ES3266	108
ES4053	722
ES10110	131
ES10186	107
ES10187	108
ES10188	107
ES10189	109
ES10222	123A
ES10223	123A
ES10224	109
ES10225	109
ES10231	199
ES10232	123A
ES10233	116
ES10234	142A
ES15046	107
ES15047	107
ES15049	199
ES15050	123A
ES15051	187
ES15052	199
ES15054	109
ES15056	116
ES15057	177
ES15226	128
ES15227	186
ES-923933-1	149A
ESA-06	168
ESA06	168
ESA10-99	116
ESA-10C	116
ESA10N	116
ESA-10N	116
ESA213	126A
ESA233	126A
ESAB33-02CS	6240
ESAB34M-02C	6240#
ESAB82-004	6085
ESAB82-4	6085
ESAB82M-004	6085#
ESAB92-02	6240
ESAB92M-02	6240#
ESAC25-02C	6240
ESAC25-02N	6244
ESAC25M-02C	6240#
ESAC25M-02N	6244#
ESAC31-01C	6240
ESAC31-01N	6244
ESAC31-02C	6240
ESAC31-02N	6244
ESAC33-02C	6240
ESAC33-02CS	6240
ESAC33-02N	6244
ESAC33M-02C	6240#
ESAC33M-02N	6244#
ESAC34M-02C	6240#
ESAC63-004	6087
ESAC63M-004	6087#
ESAC75-005	6206
ESAC75-01	6206
ESAC75-02	6206
ESAC81-004	6090◆
ESAC82-004	6085
ESAC82-4	6085
ESAC82M-004	6085#
ESAC82M-006	6086#
ESAC83-004	6090#
ESAC83-4	6090#
ESAC83M-004	6090#
ESAC85-009	6086
ESAC85M-009	6086#
ESAC92-02	6240
ESAC92M-02	6240#
ESAC93-02	6246#
ESAC93M-02	6246#
ESAD25-02C	6246#
ESAD25-04C	6247#
ESAD33-02C	6246#
ESAD33-02CS	6246#
ESAD75-005	6206
ESAD75-01	6206
ESAD75-02	6206
ESAD81-004	6090◆
ESAD83-004	6090#
ESAD83-4	6090#
ESAD83M-004	6090#
ESAD92-02	6246#
ESAD92M-02	6246#
ESB714E1H	204§
ESB744C	202§
ESD918964P	128
ESGB01-08	544
ESGB01-09	544
ESJC09B	517
ESJC-09B	517
ESJC-12B	517
ESJC12B	517
ESK1/02	116
ESK1/06	116
ESKE40C500	116
ESKE125C500	125
ESM16	386
ESM113	243
ESM114	243
ESM117	245
ESM118	245
ESM160	244
ESM161	246
ESM162	246
ESO1	552
ESO1A	552
ESO1F	558
ESP11-40	513§
ESP11-45	513§
ESPA05-30	527A
ESPA91	568A§
ESPA94	568A§
ESPA97	568A§
ESPA98	568A§
ESQ-141	236
ESSB-01-IR50	519
ET1	160
ET2	160
ET3	102
ET4	102
ET5	102
ET6	104
ET7	105
ET8	101
ET9	101
ET10	103
ET11	103
ET12	126A
ET15X1	102A
ET15X2	107
ET15X3	107
ET15X4	121
ET15X5	121
ET15X7	108
ET15X8	128
ET15X9	108
ET15X10	123A
ET15X11	123A
ET15X12	123A
ET15X13	123A
ET15X14	123A
ET15X15	123A
ET15X16	123A
ET15X17	121
ET15X18	108
ET15X19	108
ET15X20	123A
ET15X21	108
ET15X23	108
ET15X24	123A
ET15X25	102A
ET15X26	127
ET15X27	123A
ET15X29	160
ET15X30	108
ET15X31	102A
ET15X32	102A
ET15X33	129
ET15X34	154
ET15X36	128
ET15X37	123A
ET15X38	129
ET15X39	129
ET15X40	127
ET15X41	123A
ET15X42	123A
ET15X43	121
ET15X45	123A
ET16X1	109
ET16X6	112
ET16X7	113A
ET16X10	113A
ET16X11	113A
ET16X13	112
ET16X14	112
ET16X15	142A
ET16X16	5809
ET16X17	136A
ET16X19	109
ET16X20	109
ET16X21	109
ET41X27	358A§
ET41X37	109
ET41X47	358A§
ET51X25	116
ET52X25	116
ET55-25	116
ET55X25	116
ET57X25	116
ET57X26	120
ET57X29	116
ET57X30	116
ET57X31	119
ET57X32	118
ET57X33	116
ET57X35	116
ET57X39	506
ET57X40	506
ET58X32	118
ET132	2306#
ET200	116
ET206	2311#
ET378	270#
ET383	2310#
ET394	2309
ET400	116
ET400(Trans)	2348◆
ET403	2309
ET405	2308
ET600	116
ET1511	102A
ET2522-1	22
ET2522-2	22
ET2522-3	22
ET2522-4	22
ET2522-5	22
ET2522-6	22
ET2522-7	22
ET2522-8	22
ET2522-9	22
ET2522-10	22
ET2522-11	22
ET2522-12	22
ET2522-13	22
ET2522-14	22
ET2522-15	22
ET5063	98
ET5251	97
ET5252	97
ET5253	97
ET234843	123A
ET234854	289A
ET238894	123A
ET305221	85
ET307193	184
ET329218	289A
ET350335	234
ET352146	289A
ET368021	123A
ET379262	199
ET379462	199
ET380834	199
ET392927	210
ET398711	199
ET398777	199
ET412626	123A
ET453611	186A
ET491051	312
ET495371	186
ET517263	199
ET517375	235
ET517994	199
ET539122	294
ET618873	107
E-TA7343P	1657
E-TA7343PS	1657
ETD-1N60	109
ETD1S2788	177
ETD-10D1	116
ETD-10D2	116
ETDCDG21	177
ETD-HZ7C	5071A
ETD-RD9.1FB	139A
ETD-RD75	138A
ETD-SD46	109
ETD-SG9150	177
ETD-V06C	116
ETG36-040B	98
ETG36-040C	98
ETG36-040D	98
ETI-21	1002
ETI-22	801
ETI-23	1155
ETP2008	154
ETP3114	154
ETP3923	154
ETP5092	396
ETS-003	130
ETS-005	390
ETS014A	123AP
ETS-017	175
ETS-068	123A
ETS-069	129
ETS-070	128
ETS-071	129
ETTB-2SB176	102A
ETTB-2SB176A	102A
ETTB-2SB176B	102A
ETTB-2SB176R	102A
ETTB-75LB	102A
ETTB-367B	131
ETTC-2SC490	175
ETTC-458LG	123A
ETTC-930D	229
ETTC-945	199
ETTC-CD8000	123A
ETTC-CD12000	123A
ETTC-CD13000	123A
ETT-CDC-12000	123A
ETTD-235	152
ETX18	123A
EU-01	552
EU01	552
EU01A	552
EU-01A	552
EU-01Z	552
EU01Z	552
EU02	552
EU02A	552
EU02Z	552
EU-1	552
EU1	552
EU1A	552
EU-1A	552
EU-1AV	552
EU-1V	552
EU1Z	552
EU1ZV1	552
EU-2	552
EU2	552
EU2A	552
EU2V	552
EU2YX	552
EU2Z	552
EU2ZV	552
EU15X1	108
EU15X2	108
EU15X3	108
EU15X6	108
EU15X27	128
EU15X34	128
EU16X1	109
EU16X2	109
EU16X4	112
EU16X8	114
EU16X11	177
EU16X14	112
EU16X19	110MP
EU16X20	552
EU57X31	119
EU57X32	118
EU57X38	120
EU57X40	116
EUO1	552
EUO1A	552
EUO1Z	552
EU-Z	552
EUZ-82	5072A
EVD10E1	116
EVR4	136A
EVR4A	136A
EVR4B	136A
EVR5	137A
EVR5A	137A
EVR5B	137A
EVR9	139A
EVR9A	139A
EVR9B	139A
EVR11	141A
EVR11A	141A
EVR11B	141A
EVR12	142A
EVR12A	142A
EVR12B	142A
EVR15	145A
EVR15A	145A
EVR15B	145A
EVR27	146A
EVR27A	146A
EVR27B	146A
EVR56	148A
EVR56A	148A
EVR56B	148A
EVR82	150A
EVR82A	150A
EVR82B	150A
EVR110	151A
EVR110A	151A
EVR110B	151A
EVS-K112C	113A
EW5X182	187A
EW10X0033	15009
EW10X0072	15009
EW10X0075	15020
EW10X0076	15007
EW10X103	15005
EW10X104	15006
EW14X18	605A
EW14X232	2V150
EW14X486	524V15
EW15X0144	290A
EW15X0171	16
EW15X0242	399
EW15X0315	16
EW15X0330	89
EW15X0344	379#
EW15X0399	377
EW15X0454	186A
EW15X0478	184◆
EW15X0569	2302
EW15X0570	1741
EW15X0594	5424#
EW15X0635	2302
EW15X0703	2407
EW15X1	55
EW15X3(BCE)	85
EW15X6	290A
EW15X18	293
EW15X19	107
EW15X20	382
EW15X21	85
EW15X22	290A

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
EW15X23	85
EW15X24	379
EW15X25	85
EW15X26	153
EW15X27	290A
EW15X30	85
EW15X32	85
EW15X42	85
EW15X42(BCE)	2358
EW15X44	2409
EW15X49	2409
EW15X51	399
EW15X55	159
EW15X57	123AP
EW15X58	152
EW15X59	153
EW15X63	123AP
EW15X64	198
EW15X66	85
EW15X67	89
EW15X69	328
EW15X70	289A
EW15X71	373#
EW15X72	374◆
EW15X75	293
EW15X76	152
EW15X77	186A
EW15X78	107
EW15X79	85
EW15X81(CEB)	229
EW15X82(CEB)	229
EW15X83	2406
EW15X85	2408
EW15X86	2430
EW15X87	22
EW15X88	21
EW15X89	85
EW15X93	289A
EW15X94	290A
EW15X105	290A
EW15X107	298
EW15X108	56
EW15X109	21
EW15X110	85
EW15X112	294
EW15X113	312
EW15X114	153
EW15X115	199
EW15X116	373#
EW15X117	289A
EW15X118	234
EW15X119	187A
EW15X120	85
EW15X121	153
EW15X124	458
EW15X126(ECB)	46
EW15X128	85
EW15X129	234
EW15X130	85
EW15X132	290A
EW15X135	17
EW15X136	293
EW15X139	184◆
EW15X140	21
EW15X141	289A
EW15X142	157#
EW15X143	85
EW15X144	290A
EW15X146	19
EW15X148	290A
EW15X149	17
EW15X150	290A
EW15X151	21
EW15X152	21
EW15X154	15
EW15X156	2357◆
EW15X158	16
EW15X159	5016A
EW15X160	18
EW15X163	85
EW15X164	253
EW15X165	20◆
EW15X166	187A
EW15X167	19
EW15X168	19
EW15X169	55
EW15X170	390
EW15X171	85
EW15X172	16
EW15X173	16◆
EW15X174	18
EW15X175	29
EW15X176(BCE)	85
EW15X177	290A
EW15X178	19
EW15X181	87
EW15X183	16
EW15X183(BCE)	85
EW15X184	16
EW15X185	85
EW15X187	15
EW15X188	85◆
EW15X190	19
EW15X193(ECB)	288
EW15X196	373
EW15X197	152
EW15X199	18
EW15X200	294
EW15X202	153
EW15X203	373#
EW15X204	20
EW15X206	16
EW15X207	239
EW15X208	36
EW15X212	290A
EW15X215	19
EW15X217	293
EW15X218	379
EW15X219	18
EW15X220	2361
EW15X223	290A
EW15X224	107
EW15X225	152
EW15X226	85
EW15X231	107
EW15X232	382
EW15X233	294
EW15X234	289A
EW15X237	153
EW15X238	373
EW15X240	290A
EW15X241	196
EW15X242	399
EW15X243	319P
EW15X244(SGD)	459
EW15X245	290A
EW15X250	2408
EW15X254	85
EW15X255	2407
EW15X257	374
EW15X258	12
EW15X260	19
EW15X262	377#
EW15X263	91
EW15X265	2408
EW15X267	2357
EW15X268	13
EW15X269	2358
EW15X271	21
EW15X272	21
EW15X276	17
EW15X277	21
EW15X278	377
EW15X279	19
EW15X281	21
EW15X282	373#
EW15X284	2406
EW15X285	21
EW15X286	16◆
EW15X289	18
EW15X292	2505
EW15X301	19
EW15X302	19
EW15X304	399
EW15X305	399
EW15X306	198
EW15X307	85
EW15X308	85
EW15X310	198◆
EW15X312	152
EW15X313	375
EW15X315	16
EW15X316	16◆
EW15X317	18
EW15X320	377#
EW15X322	21
EW15X323	91
EW15X324	54
EW15X325	90
EW15X326	298
EW15X327	399
EW15X328	152
EW15X329	19
EW15X330	89
EW15X331	162
EW15X341	12
EW15X342	16
EW15X343	15
EW15X344	379
EW15X345	2337
EW15X346	54
EW15X351	2409
EW15X353	2407
EW15X354	186A
EW15X355	293
EW15X356	198
EW15X358	376
EW15X359	399◆
EW15X360	16
EW15X361	165
EW15X363	293
EW15X367	2360◆
EW15X368	2355◆
EW15X369	2359◆
EW15X370	2356◆
EW15X372	2355◆
EW15X373	2359◆
EW15X374	19
EW15X375	19
EW15X376	185
EW15X377	378#
EW15X378	2337
EW15X379	22
EW15X383	290A
EW15X391	17
EW15X393	16
EW15X397	2407
EW15X398	2429
EW15X400	91
EW15X401	289A
EW15X402	2406
EW15X404	2428
EW15X405	2430
EW15X406	377#
EW15X407	55#
EW15X410	234
EW15X411	199
EW15X412	31
EW15X413	377#
EW15X415	91
EW15X416	85
EW15X417	91
EW15X421	2358
EW15X428	16
EW15X429	290A
EW15X433	20
EW15X436	185
EW15X437	2361
EW15X438	172A
EW15X440	16
EW15X448(GSD)	451
EW15X449	107
EW15X450	85
EW15X451	85
EW15X453	373#
EW15X457	19
EW15X458	21
EW15X460	2416
EW15X463	13
EW15X465	91
EW15X466	85
EW15X467	459
EW15X469	234
EW15X471	2402
EW15X472	2406
EW15X473	2410
EW15X475	2407
EW15X476	2407
EW15X477	2411
EW15X479	2417
EW15X482	152
EW15X484	290A
EW15X486	2419
EW15X487	290A
EW15X488	2505
EW15X489	2361
EW15X490	293
EW15X491	373#
EW15X496	31
EW15X497	37
EW15X498	17
EW15X499	55#
EW15X500	90
EW15X501	375
EW15X504	199
EW15X505	36
EW15X507	458
EW15X511	55#
EW15X512	2357
EW15X513	21
EW15X514	129
EW15X515	2358
EW15X516	85
EW15X517	2418
EW15X520	375
EW15X521	107
EW15X522	85
EW15X523	399
EW15X524	2302
EW15X525	2357
EW15X526	2356
EW15X528	2358
EW15X529	2359
EW15X532	2428
EW15X535	19
EW15X536	382
EW15X541	2407
EW15X545	2337
EW15X547	294
EW15X549	199
EW15X553	373#
EW15X564	378
EW15X566	85
EW15X567	379◆
EW15X568	107
EW15X569	2331
EW15X570	1741
EW15X571	399
EW15X572	290A
EW15X573	399
EW15X574	289A
EW15X575	2304
EW15X576	289A
EW15X577	289A
EW15X578(BCE)	290A
EW15X579	2302
EW15X580	373
EW15X581	289A
EW15X582	289A
EW15X583	289A
EW15X584	382
EW15X585	289A
EW15X588(BCE)	107
EW15X589	399
EW15X590	373#
EW15X591	261
EW15X592	157
EW15X593	89
EW15X594	5424
EW15X596	293
EW15X597	85
EW15X598	199
EW15X619	152
EW15X620	399
EW15X626	2360
EW15X627	2355
EW15X628	399
EW15X629	2300
EW15X634	157
EW15X635	2302
EW15X637	2361
EW15X638	2361
EW16X0107	586
EW16X0168	585
EW16X0176	605A
EW16X0191	586
EW16X0227	519
EW16X0245	5080A
EW16X0323	580
EW16X0326	116
EW16X0400	552
EW16X0405	5021T1
EW16X0490	515
EW16X0511	558
EW16X0516	585
EW16X0592	588
EW16X0605	552
EW16X0610	558
EW16X0693	587
EW16X0713	5013T1
EW16X0734	586
EW16X9	555A
EW16X10	519
EW16X11	552
EW16X12	552
EW16X13	5013A
EW16X14	148A
EW16X15	519
EW16X17	614
EW16X19	601
EW16X21	5015A
EW16X22	116
EW16X26	167◆
EW16X30	519
EW16X36	552
EW16X39	5013A
EW16X45	109
EW16X49	519
EW16X51	519
EW16X52	5024A
EW16X54	615A
EW16X59	116
EW16X61	5012A
EW16X62	109
EW16X65	519
EW16X66	519
EW16X68	145A
EW16X69	5020A
EW16X70	5014A
EW16X71	552
EW16X76	590
EW16X80	5022A
EW16X81	5019T1
EW16X82	5002A
EW16X88	5014A
EW16X91	605A
EW16X92	116
EW16X93	125
EW16X95	5018A
EW16X97	5011A
EW16X98	116
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EW16X102	519
EW16X103	615A
EW16X105	116
EW16X106	519
EW16X107	586
EW16X108	125(4)
EW16X109	519
EW16X110	519
EW16X111	519
EW16X112	116
EW16X113	143A
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EW16X124	137A
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EW16X127	552
EW16X130	116
EW16X132	116
EW16X135	116
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EW16X148	519
EW16X155	5010A
EW16X157	5022A
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EW16X166	5024A
EW16X167	5009A
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EW16X169	519
EW16X171	5005A
EW16X175	552
EW16X176	605A
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EW16X185	5021A
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EW16X188	5010A
EW16X189	109
EW16X190	5003A
EW16X191	586
EW16X192	5020A
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EW16X194	109
EW16X196	552
EW16X197	5007A
EW16X200	116
EW16X202	125
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EW16X205	5018A
EW16X206	5025A
EW16X207	5030A
EW16X209	156(4)
EW16X218	109
EW16X221	552
EW16X223	5010T1
EW16X224	5011A
EW16X225	5004A
EW16X226	519
EW16X227	519
EW16X231	590
EW16X232	591
EW16X234	5013A
EW16X237	5022A
EW16X238	5033A
EW16X242	5020A
EW16X243	5022A
EW16X245	5080A
EW16X249	5021T1
EW16X251	5014A
EW16X253	5027A
EW16X256	5313
EW16X257	519
EW16X258	5077A
EW16X259	5072A
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EW16X263	5013A
EW16X264	5016A
EW16X265	5033A
EW16X267	605A
EW16X270	125
EW16X292	519
EW16X296	5009A
EW16X297	5084A
EW16X298	5014A
EW16X300	5022A
EW16X301	5024A
EW16X302	5015A
EW16X303	519
EW16X304	605A
EW16X305	519
EW16X306	116
EW16X307	5014A
EW16X308	552
EW16X309	552
EW16X310	5020A
EW16X311	109
EW16X312	552
EW16X313	125
EW16X315	5023A
EW16X316	5021A
EW16X321	558
EW16X322	5010A
EW16X323	580
EW16X325	519
EW16X326	519
EW16X327	605A
EW16X328	5014A
EW16X329	5019T1
EW16X330	5021T1
EW16X331	5022A
EW16X332	580
EW16X334	168
EW16X336	519
EW16X337	552
EW16X338	125
EW16X343	5009A
EW16X352	552
EW16X354	552
EW16X359	519
EW16X363	552
EW16X366	5011A
EW16X367	5014A
EW16X368	5023A
EW16X369	5022A
EW16X370	5021A
EW16X371	590
EW16X372	5025A
EW16X374	5019A
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EW16X376	5018A
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EW16X378	5015A
EW16X379	586
EW16X381	615A
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EW16X386	519
EW16X388	590
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EW16X391	5013A
EW16X395	5018A
EW16X397	5018A
EW16X400	552
EW16X403	5332
EW16X404	125
EW16X407	5020A
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EW16X429	5021A
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EW16X432	5014A
EW16X437	605A
EW16X449	5025A
EW16X453	590
EW16X455	116
EW16X466	5027A
EW16X477	5332
EW16X482	519
EW16X483	552
EW16X484	552
EW16X485	552
EW16X486	116
EW16X487	142A
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EW16X489	6246
EW16X490	519
EW16X491	5030A
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EW16X497	177
EW16X511	558
EW16X516	585
EW16X526	519
EW16X527	611
EW16X529	558
EW16X530	116
EW16X531	580
EW16X532	5007A
EW16X533	5010A
EW16X535	5021A
EW16X536	5018A
EW16X537	5014A
EW16X538	5019A
EW16X540	125
EW16X541	552
EW16X542	116
EW16X543	5011A
EW16X544	144A
EW16X545	5304◆
EW16X546	3081◆
EW16X547	5004A
EW16X548	519
EW16X549	506
EW16X550	555A
EW16X551	5009A
EW16X552	552
EW16X553	5019A
EW16X554	116
EW16X555	558
EW16X556	5012A
EW16X557	5016A
EW16X558	5037A
EW16X559	552
EW16X560	552
EW16X561	145A
EW16X562	5020A
EW16X563	125
EW16X564	5010A
EW16X566	5035A
EW16X567	5021A
EW16X583	519
EW16X584	5332
EW16X585	5019T1
EW16X586	5014A
EW16X587	5015A
EW16X589	558
EW16X590	5013T1
EW16X594	5008A
EW16X595	580
EW16X596	5022A
EW16X597	5013T1
EW16X598	5070A
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EW16X601	125
EW16X605	552
EW16X606	5012A
EW16X607	5017A
EW16X608	5020A
EW16X610	558
EW16X611	5010T1
EW16X612	552
EW16X615	5017A
EW16X616	605A
EW16X618	519
EW16X619	5015A
EW16X620	552
EW16X622	125
EW16X651	5033A
EW16X656	5033A
EW16X658	125
EW16X693	587
EW16X712	558
EW16X734	586
EW36X383	7064
EW41X29	3120
EW41X130	3022
EW41X184	3024
EW41X349	3098
EW41X397	3099
EW41X619	5332
EW41X1200	3098
EW57X1	116
EW57X2	116
EW82X153	1314
EW84X0035	1196
EW84X0252	1630
EW84X0319	1828
EW84X0320	1811
EW84X0322	1829
EW84X0355	1833
EW84X0423	1663§
EW84X0427	1546
EW84X0442	1808
EW84X0443	1809
EW84X0451	1779
EW84X0452	1747
EW84X0458	1816
EW84X0498	1826
EW84X0540	891SM◆
EW84X0599	3098
EW84X0625	7020
EW84X0763	1834
EW84X0767	1810
EW84X0810	1837
EW84X0911	1827
EW84X0914	1683
EW84X0977	7014
EW84X7	4068B
EW84X8	4011B
EW84X12	615A
EW84X15	1657
EW84X18	1515
EW84X30	4071B
EW84X33	778A
EW84X39	1268
EW84X40	9401
EW84X41	1223
EW84X42	9200
EW84X43	1270
EW84X44	9400§
EW84X46	1267
EW84X48	1265
EW84X49	1266
EW84X50	1269
EW84X51	1408§
EW84X52	1123
EW84X55	1263
EW84X56	1168
EW84X57	712
EW84X60	1714S
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EW84X71	1660
EW84X84	4011B
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EW84X92	1427
EW84X93	9402
EW84X94	1428
EW84X95	1421
EW84X96	1425
EW84X97	1405
EW84X100	1591
EW84X114	712
EW84X115	1522
EW84X133	1409
EW84X136	1600
EW84X137	1554
EW84X138	1705
EW84X147	1400
EW84X148	1621
EW84X150	1422
EW84X151	1702
EW84X152	1703
EW84X154	1701
EW84X155	1613
EW84X156	834
EW84X158	1717
EW84X169	4013B
EW84X170	4027B
EW84X171	4081B
EW84X172	40097B
EW84X173	712
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EW84X175	9403
EW84X176	1930
EW84X180	2207
EW84X182	1709
EW84X188	778A
EW84X192	778A
EW84X194	1452
EW84X196	943M
EW84X198	1558
EW84X205	1636
EW84X207	977
EW84X210	4514B
EW84X215	962
EW84X216	962
EW84X217	1234
EW84X220	1402
EW84X223	1715
EW84X224	928S
EW84X226	1529
EW84X232	928M
EW84X233	928M
EW84X239	1689
EW84X249	943M
EW84X252	1630
EW84X253	4528B
EW84X255	7044
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EW84X259	966
EW84X260	4011B
EW84X261	4049
EW84X262	4050B
EW84X267	1775
EW84X268	712
EW84X269	1539
EW84X270	1416
EW84X275	1679
EW84X277	981
EW84X286	615A
EW84X294	1706§
EW84X295	1686
EW84X296	1628
EW84X310	1471
EW84X312	1712
EW84X314	1711
EW84X315	1688
EW84X317	1812
EW84X319	1828
EW84X320	1811
EW84X322	1829
EW84X323	1787
EW84X327	1779
EW84X328	1705
EW84X341	4066B
EW84X352	1787
EW84X355	1833
EW84X360	928M
EW84X361	1717
EW84X370	1729
EW84X372	834
EW84X375	1713
EW84X377	1730
EW84X385	1715
EW84X393	1682
EW84X394	1415
EW84X396	1437
EW84X410	1435
EW84X413	4042B
EW84X414	4013B
EW84X415	4539B
EW84X416	1409
EW84X417	1710
EW84X419	4528B
EW84X422	1551
EW84X423	1663§
EW84X424	1295
EW84X425	1726
EW84X426	1674
EW84X427	1546
EW84X431	615A
EW84X440	1805
EW84X441	1807
EW84X442	1808
EW84X443	1809
EW84X444	1810
EW84X445	1813
EW84X446	1814
EW84X448	3098
EW84X451	1779
EW84X452	1747
EW84X453	960
EW84X455	972
EW84X457	1683
EW84X460	4011B
EW84X464	4027B
EW84X465	4053B
EW84X470	4052B
EW84X480	1744
EW84X481	1689
EW84X483	778A
EW84X484	1529◆
EW84X486	1609
EW84X487	1135
EW84X488	778A
EW84X490	1716
EW84X496	4066B
EW84X498	1826
EW84X499	1529
EW84X500	4066B
EW84X513	40097B
EW84X521	4027B
EW84X525	969
EW84X526	968
EW84X528	969
EW84X542	977
EW84X546	4011B
EW84X549	858M
EW84X553	4053B
EW84X554	74LS123
EW84X557	74LS74A
EW84X559	74LS393
EW84X564	1716
EW84X567	7407
EW84X568	74LS04
EW84X576	891M
EW84X580	4066B
EW84X582	7406
EW84X585	1448
EW84X589	1806
EW84X595	1873
EW84X599	3098
EW84X621	40097B
EW84X624	1787
EW84X625	7020
EW84X677	778A
EW84X678	74LS107
EW84X679	74LS74A
EW84X680	858M
EW84X685	1718
EW84X687	4516B
EW84X716	7089
EW84X720	1902
EW84X727	778S
EW84X738	1704
EW84X747	966
EW84X751	4001B
EW84X756	4069
EW84X761	1805
EW84X763	1834
EW84X767	1810
EW84X782	1650
EW84X783	1740
EW84X784	1725
EW84X785	941M

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
EW84X788	778A
EW84X793	1217
EW84X810	1837
EW84X828	1427
EW84X863	4013B
EW84X865	778A
EW84X874	4066B
EW84X888	1658
EW84X894	1842
EW84X895	1843
EW84X897	1661
EW84X899	1545
EW84X900	1547
EW84X901	712
EW84X905	1781
EW84X906	1728
EW84X909	1776
EW84X910	1673
EW84X911	1827
EW84X913	1663§
EW84X914	1683
EW84X976	1780
EW84X977	7014
EW84X978	1373
EW84X1008	1789
EW84X1009	1727
EW84X1010	1777
EW84X1233	1798
EW162	108
EW163	107
EW164	107
EW165	107
EW165V	123A
EW166	109
EW167	109
EW168	110MP
EW169	156
EW169B	116(2)
EW181	123A
EW182	123A
EW183	153
EW183B	175
EW212	161
EWQ202	159
EWS-78	199
EWX-192	778A
EX0010GE	5011A
EX0011CE	5024A
EX0011GE	5024A
EX0019TA	5022A
EX0020GE	5010A
EX0021TA	5020A
EX0022TA	142A
EX0023GE	140A
EX0024CE	5013A
EX0038CE	142A
EX0041TA	5014A
EX0042CE	148A
EX0042TAZZ	5009A
EX0043CEZZ	5035A
EX0043TAZZ	5011A
EX0044CE	5020A
EX0045TA	5011T1
EX0046TA	5015A
EX0047CE	142A
EX0047TA	5019A
EX0048CE	5013A
EX0053TA	5013T1
EX0061CE	142A
EX0065CE	5025A
EX0074CE	5161A
EX0084CE	5093A
EX0085CE	5014A
EX0088CE	5014A
EX0089CE	5016A
EX0091CE	5030A
EX0092CE3.9V	5007A
EX0092CEZZ	5006A
EX0094CEZZ	5021A
EX0101CE	5002A
EX0102CEZZ	5011A
EX0103CE	5011A
EX0106CE	5047A
EX0112CE	5077A
EX0113CE15V	5025A
EX0114CE9.1V	5018A
EX0116CE	5014A
EX0116GE	5014A
EX0130CE	5029A
EX0131CE	5010A
EX0136CE	5006A
EX0137CE	5009A
EX0137TA	5009A
EX0138CE	5014A
EX0140CE	5014A
EX0147CE	5015A
EX0152CE	5098A
EX0155CE	5010A
EX0161CE	5015A
EX0161CEZZ	5015A
EX0163CE	5095A
EX0166CE	5024A
EX0192CE	137A
EX0193CE	5074A
EX0200CE	5021A
EX0207CE	5035A
EX0217CE	5024A
EX0219CE	5036A
EX0232CE	5000A
EX0291CE	5036A
EX0294CE	5010A
EX0297CE	5011T1
EX0300CE	5013A
EX0302CE	5014A
EX0309CE	5016A
EX0311CE	139A
EX0313CE	5018A
EX0322CE	5021A
EX0375GEZZ	584
EX0417GE	5024A
EX0443CE	5007A
EX0444CE	5006A
EX0586CEZZ	139A◆
EX0592CEZZ	142A
EX0598CE	5071A
EX0D43TA5.6V	5011A
EX15X25	102A
EX39-X	705A
EX42-X	714
EX46-X	713
EX48-X	715
EX62-X	790
EX215-X	513§
EX4035	722
EX4053	722
EX-141216	128
EXDA635	1778#
EXT954-20C	1719§
EXT954-25C	1553§
EXT95423C	1548§
EXT95427C	1553§
EYP-1BS163	8167
EYP-2AS103	8103
EYP-2AS109	8108
EYP-2AS129	8125
EYP-2AS163	8167
EYP-2AU163	8167
EYV320D010JB	601
EYV-320D1R2J	177
EYV320D1R2J3	601
EYV-420D1R5JA	116
EYV420D1R5JB	109
EYZP-307-900	5529
EYZP-384	177
EYZP-546	159
EYZP-623	159
EYZP-632	123A
EYZP-791	123A
EYZP-808	234
EZ3-7(Elcom)	5120A
EZ3-12(Elcom)	5127A
EZ3-14(Elcom)	5129A
EZ3-15(Elcom)	5130A
EZ3-16(Elcom)	5131A
EZ3-20(Elcom)	5135A
EZ3-30(Elcom)	5141A
EZ3(Elcom)	5066A
EZ4(Elcom)	5067A
EZ5-30(Elcom)	5141A
EZ5(Elcom)	5069A
EZ5R6(Elcom)	136A
EZ6(Elcom)	5071A
EZ7(Elcom)	138A
EZ8(Elcom)	5072A
EZ9(Elcom)	139A
EZ10-7(Elcom)	5181A
EZ10-8(Elcom)	5183A
EZ10-10(Elcom)	5186A
EZ10-12(Elcom)	5188A
EZ10-24(Elcom)	5198A
EZ10-28(Elcom)	5201A
EZ10(Elcom)	140A
EZ11(Elcom)	5074A'
EZ12(Elcom)	142A
EZ13(Elcom)	143A
EZ14(Elcom)	144A
EZ15(Elcom)	145A
EZ16(Elcom)	5075A
EZ16X88	5071A
EZ16X102	137A
EZ18(Elcom)	5077A
EZ20(Elcom)	5079A
EZ22(Elcom)	5080A
EZ24(Elcom)	5081A
EZ27(ELCOM)	141A
EZ30(Elcom)	5084A
EZ33(Elcom)	147A
EZ36(Elcom)	5085A
EZ39(Elcom)	5086A
EZ47(Elcom)	5088A
EZ56(Elcom)	5090A
EZ62(Elcom)	149A
EZ68(Elcom)	5092A
EZ82(Elcom)	150A
EZ110(Elcom)	151A
EZ150	145A
EZR-0045	139A
EZT308	904
F0010	452
F0010(HEP)	312
F0015	312
F0015(HEP)	312
F0021	312
F0021(HEP)	312
F0082M	725
F04SO60	5712
F-05	116
F018T060	5710
F018T080	5710
F018T120	5710
F025T060	5710
F025T080	5710
F025T0120	5710
F031(RadShk)	177
F040H060	5711
F040H080	5711
F040H120	5711
F040S120	5712
F040T060	5710
F040T080	5710
F040T120	5710
F045H060	5711
F045H080	5711
F045H120	5711
F045S060	5712
F045S080	5712
F045S120	5712
F045T060	5710
F045T080	5710
F045T120	5710
F046(RadShk)	177
F060(RadShk)	177
F060H060	5720
F060H080	5721
F060H120	5721
F060S060	5722
F060S080	5722
F060S120	5722
F060T060	5720
F060T080	5720
F060T120	5720
F084(RadShk)	177
F095D060	6230
F095D080	6230
F095D120	6230
F095H060	5721
F095H080	5721
F095H120	5721
F095S060	5722
F095S080	5722
F095S120	5722
F095T060	5720
F095T080	5720
F095T120	5720
F0R1A(GAK)	5401
F0R1B(GAK)	5402
F0R1D(GAK)	5404
F0R1G(GAK)	5405
F0R2D	5400
F0R3B(GAK)	5402
F0R3D(GAK)	5404
F0R3G6.J(GAK)	5405
F0R3G(GAK)	5405
F0R3J(GAK)	5406
F0R5B	5402
F0R5D	5404
F0R5G	5405
F0R5J	5406
F1	116
F1-02	569◆
F1-04	569◆
F1-06	569◆
F1R3D	5455
F1R3G	5457
F2	116
F2B(SCR)	5454
F2D	5455
F2G(SCR)	5457
F2J(SCR)	5458
F3	116
F3A3	5980
F3A3R	5981
F3B3	5982
F3B3R	5983
F3C3	5986
F3C3R	5987

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F"
Ex: FPN3645 - Not Found
PN3645 = ECG159

To Be Replaced	ECG Replacement
F3D3	5988
F3D3R	5989
F3E3	5988
F3E3R	5989
F3F3	5990
F3F3R	5991
F3G3	5990
F3G3R	5991
F3H3	5992
F3H3R	5993
F3K3	5994
F3K3R	5995
F3M3	5998
F3M3R	5999
F3N3	5998
F3N3R	5999
F3P3	6002
F3P3R	6003
F4	116
F4-005	725
F4A3	5980
F4A3R	5981
F4B3	5982
F4B3R	5983
F4C3	5986
F4C3R	5987
F4D3	5988
F4D3R	5989
F4E3	5988
F4E3R	5989
F4F3	5990
F4F3R	5991
F4G3	5990
F4G3R	5991
F4H3	5992
F4H3R	5993
F4K3	5994
F4K3R	5995
F4M3	5998
F4M3R	5999
F4N3	5998
F4N3R	5999
F4P3	6002
F4P3R	6003
F5	116
F5A3	6020
F5A3R	6021
F5B3	6022
F5B3R	6023
F5C3	6026
F5C3R	6027
F5D3	6034
F5D3R	6035
F5E3	6034
F5E3R	6035
F5F1	3029A
F5F3	6034
F5F3R	6035
F5G3	6034
F5G3R	6035
F5H3	6040
F5H3R	6041
F5J	5466
F5K3	6040
F5K3R	6041
F5KF10	597#
F5KF20	597#
F5KF30	598#
F5KF30B	6241#
F5KF40	598#
F5KF40B	6241#
F5KQ30	6083#
F5KQ40	6083#
F5M3	6042
F5M3R	6043
F5N3	6042
F5N3R	6043
F5P3	6044
F5P3R	6045
F6	116
F6-2	355
F6-9	353
F6-16	354
F6-23	356§
F6-30	352
F6A3	6048
F6A3R	6049
F6B3	6050
F6B3R	6051
F6C3	6054
F6C3R	6055
F6D3	6060
F6D3R	6061
F6E3	6060
F6E3R	6061
F6F3	6060
F6F3R	6061
F6G3	6060
F6G3R	6061
F6H3	6064
F6H3R	6065
F6K3	6064
F6K3R	6065
F6M3	6068
F6M3R	6069
F6N3	6068
F6N3R	6069
F6P3	6072
F6P3R	6073
F6P10F	6240#
F6P20F	6240#
F6P30F	6241#
F6P40F	6241#
F7A3	6074
F7A3R	6075
F7B3	6074
F7B3R	6075
F7C3	6074
F7C3R	6075
F7D3	6076
F7D3R	6077
F7E3	6076
F7E3R	6077
F7F3	6076
F7F3R	6077
F7G3	6076
F7G3R	6077
F7H3	6076
F7H3R	6077
F7K3	6076
F7K3R	6077
F7M3	6078
F7M3R	6079
F7N3	6078
F7N3R	6079
F7P3	6078
F7P3R	6079
F7R3	6078
F7R3R	6079
F8	125
F8(Transistor)	282§
F8D(SCR)	5463
F8P03Q	6085#
F8P04Q	6085#
F8P05Q	6086#
F8P06Q	6086#
F9L37CP	74LS37
F9LS21	74LS21
F9LS21CD	74LS21
F9LS21CP	74LS21
F9LS37	74LS37
F9LS37CD	74LS37
F9LS40	74LS40
F9LS40CD	74LS40
F9LS40CP	74LS40
F9LS54	74LS54
F9LS54CD	74LS54
F9LS54CP	74LS54
F9LS55	74LS55
F9LS55CD	74LS55
F9LS55CP	74LS55
F9LS90	74LS90
F9LS90CD	74LS90
F9LS90CP	74LS90
F9LS112	74LS112A
F9LS112CD	74LS112A
F9LS112CP	74LS112A
F9LS125	74LS125A
F9LS125CD	74LS125A
F9LS125CP	74LS125A
F9LS132	74LS132
F9LS132CD	74LS132
F9LS132CP	74LS132
F9LS133	74LS133
F9LS133D	74LS133
F9LS133DC	74LS133
F9LS133P	74LS133
F9LS133PC	74LS133
F9LS139	74LS139
F9LS139CD	74LS139
F9LS139CP	74LS139
F9LS155	74LS155
F9LS155CD	74LS155
F9LS155CP	74LS155
F9LS160	74LS160A
F9LS160CD	74LS160A
F9LS160CP	74LS160A
F9LS162	74LS162A
F9LS162CD	74LS162A
F9LS162CP	74LS162A
F9LS170	74LS170
F9LS170CD	74LS170
F9LS170CP	74LS170
F9LS181	74LS181
F9LS181D	74LS181
F9LS181DC	74LS181
F9LS181P	74LS181
F9LS181PC	74LS181
F9LS190	74LS190
F9LS190CD	74LS190
F9LS190CP	74LS190
F9LS192	74LS192
F9LS192CD	74LS192
F9LS192CP	74LS192
F9LS194	74LS194A
F9LS194D	74LS194A
F9LS194DC	74LS194A
F9LS194P	74LS194A
F9LS194PC	74LS194A
F9LS258	74LS258
F9LS258CD	74LS258
F9LS258CP	74LS258
F9LS279	74LS279
F9LS279CD	74LS279
F9LS279CP	74LS279
F9LS295A	74LS295A
F9LS295AD	74LS295A
F9LS295ADC	74LS295A
F9LS295AP	74LS295A
F9LS295APC	74LS295A
F9LS366	74LS366A
F9LS366CD	74LS366A
F9LS366CP	74LS366A
F9LS368	74LS368
F9LS368CD	74LS368
F9LS368CP	74LS368
F9LS670	74LS670
F9LS670CD	74LS670
F9LS670CP	74LS670
F10	125
F10(ICP)	15005
F10KF10	599#
F10KF20	599#
F10KF30B	6241#
F10KF40B	6241#
F10KQ30	6083#
F10KQ40	6083#
F10P01Q	6086
F10P03Q	6085#
F10P04Q	6085#
F10P05Q	6086#
F10P06Q	6086#
F10P09Q	6086#
F10P10F	6240#
F10P10FR	6244#
F10P10Q	6086#
F10P20F	6240#
F10P20FR	6244#
F10P30F	6241#
F10P40F	6241#
F11	239
F11(SCR)	5481§
F11P(Quasar)	239
F11Q	239
F11Q(Quasar)	239
F12(SCR)	5482§
F13(SCR)	5483§
F14(SCR)	5483§
F14a	116
F14A	116
F-14A	125
F14A-P	116
F14AP	125
F14B	125
F-14C	116
F14C	125
F14D	125
F14E	125
F14F	125
F14H	125
F14J	125
F15(ICP)	15006
F15(SCR)	5485§
F16(SCR)	5485§
F16H1	137A
F16K3	2117
F16K3D	2117
F16K3DC	2117
F16K3P	2117
F16K3PC	2117
F16K4	2117
F16K4D	2117
F16K4DC	2117
F16K4P	2117
F16K4PC	2117
F16K5	2117
F16K5D	2117
F16K5DC	2117
F16K5P	2117
F16K5PC	2117
F16P03QS	6087#
F16P04QS	6087#
F16P05QS	6086#
F16P06QS	6086#
F16P09QS	6086#
F16P10QS	6086#
F17(SCR)	5485§
F18(SCR)	5485§
F19(SCR)	5487§
F20-1001	108
F20-1002	108
F20-1003	108
F20-1004	108
F20-1005	108
F20-1006	102A
F20-1007	102A
F20-1008	102A
F20-1009	102A
F20-1010	109
F20-1012	109
F20-1013	109
F20-1014	109
F20-1015	116
F20-1016	116
F20(ICP)	15007
F20(SCR)	5481§
F21(SCR)	5501
F22(SCR)	5502
F23(SCR)	5504
F24(SCR)	5504
F24T-011-015	229
F24T-016-024	108
F25(ICP)	15008
F25(SCR)	5507
F25P03QS	6087#
F25P04QS	6087#
F26(SCR)	5507
F27(SCR)	5507
F28(SCR)	5507
F29(SCR)	5509
F30(SCR)	5501
F31(SCR)	5541
F31A(SCR)	5541
F32	5522
F32(SCR)	5542
F32A(SCR)	5542
F33(SCR)	5543
F33A(SCR)	5543
F34	5524
F34(SCR)	5543
F34A(SCR)	5543
F35(SCR)	5545
F35A(SCR)	5545
F36	5527
F36(SCR)	5545
F36A(SCR)	5545
F37(SCR)	5545
F37A(SCR)	5545
F38(ICP)	15009
F38(SCR)	5545
F38A(SCR)	5545
F39(SCR)	5547
F39A(SCR)	5547
F40(SCR)	5541
F40A(SCR)	5541
F55(SCR)	5521
F56(SCR)	5521
F57(SCR)	5522
F58(SCR)	5524
F59(SCR)	5524
F60(SCR)	5527
F61(SCR)	5527
F62(SCR)	5527
F63(SCR)	5501
F64(SCR)	5501
F65(SCR)	5502
F66(SCR)	5504
F67(SCR)	5504
F67E	121
F68(SCR)	5507
F69(SCR)	5507
F70(SCR)	5507
F71(SCR)	5521
F72(SCR)	5521
F73(SCR)	5522
F74(SCR)	5524
F74LS13	74LS13
F74LS13D	74LS13
F74LS13DC	74LS13
F74LS13P	74LS13
F74LS13PC	74LS13
F74LS15	74LS15
F74LS15D	74LS15
F74LS15DC	74LS15
F74LS15P	74LS15
F74LS15PC	74LS15
F74LS21	74LS21
F74LS21D	74LS21
F74LS21DC	74LS21
F74LS21P	74LS21
F74LS21PC	74LS21
F74LS22	74LS22
F74LS22D	74LS22
F74LS22DC	74LS22
F74LS22P	74LS22
F74LS22PC	74LS22
F74LS26	74LS26
F74LS26D	74LS26
F74LS26DC	74LS26
F74LS26P	74LS26
F74LS26PC	74LS26
F74LS28	74LS28
F74LS28D	74LS28
F74LS28DC	74LS28
F74LS28P	74LS28
F74LS28PC	74LS28
F74LS33	74LS33
F74LS33D	74LS33
F74LS33DC	74LS33
F74LS33P	74LS33
F74LS37	74LS37
F74LS37D	74LS37
F74LS37DC	74LS37
F74LS37P	74LS37
F74LS37PC	74LS37
F74LS40	74LS40
F74LS40D	74LS40
F74LS40DC	74LS40
F74LS40P	74LS40
F74LS40PC	74LS40
F74LS49P	74LS49
F74LS54	74LS54
F74LS54D	74LS54
F74LS54DC	74LS54
F74LS54P	74LS54
F74LS54PC	74LS54
F74LS55	74LS55
F74LS55D	74LS55
F74LS55DC	74LS55
F74LS55P	74LS55
F74LS55PC	74LS55
F74LS76	74LS76A
F74LS76D	74LS76A
F74LS76DC	74LS76A
F74LS76P	74LS76A
F74LS76PC	74LS76A
F74LS90	74LS90
F74LS90D	74LS90
F74LS90DC	74LS90
F74LS90P	74LS90
F74LS90PC	74LS90
F74LS95B	74LS95B
F74LS95BD	74LS95B
F74LS95BDC	74LS95B
F74LS95BP	74LS95B
F74LS95BPC	74LS95B
F74LS112	74LS112A
F74LS112D	74LS112A
F74LS112DC	74LS112A
F74LS112P	74LS112A
F74LS112PC	74LS112A
F74LS125	74LS125A
F74LS125D	74LS125A
F74LS125DC	74LS125A
F74LS125P	74LS125A
F74LS125PC	74LS125A
F74LS132	74LS132
F74LS132D	74LS132
F74LS132DC	74LS132
F74LS132P	74LS132
F74LS132PC	74LS132
F74LS133	74LS133
F74LS133D	74LS133
F74LS133DC	74LS133
F74LS133P	74LS133
F74LS133PC	74LS133
F74LS139	74LS139
F74LS139D	74LS139
F74LS139DC	74LS139
F74LS139P	74LS139
F74LS139PC	74LS139
F74LS145	74LS145
F74LS145D	74LS145
F74LS145DC	74LS145
F74LS145P	74LS145
F74LS155	74LS155
F74LS155D	74LS155
F74LS155DC	74LS155
F74LS155P	74LS155
F74LS155PC	74LS155
F74LS160	74LS160A
F74LS160D	74LS160A
F74LS160DC	74LS160A
F74LS160P	74LS160A
F74LS160PC	74LS160A
F74LS162	74LS162A
F74LS162D	74LS162A
F74LS162DC	74LS162A
F74LS162P	74LS162A
F74LS162PC	74LS162A
F74LS165	74LS165
F74LS165D	74LS165
F74LS165DC	74LS165
F74LS165P	74LS165
F74LS165PC	74LS165
F74LS168	74LS168A
F74LS168D	74LS168A
F74LS168DC	74LS168A
F74LS168P	74LS168A
F74LS168PC	74LS168A
F74LS169	74LS169A
F74LS169D	74LS169A
F74LS169DC	74LS169A
F74LS169P	74LS169A
F74LS169PC	74LS169A
F74LS170	74LS170
F74LS170D	74LS170
F74LS170DC	74LS170
F74LS170P	74LS170
F74LS170PC	74LS170
F74LS181	74LS181
F74LS181D	74LS181
F74LS181DC	74LS181
F74LS181P	74LS181
F74LS181PC	74LS181
F74LS190	74LS190
F74LS190D	74LS190
F74LS190DC	74LS190
F74LS190P	74LS190
F74LS190PC	74LS190
F74LS192	74LS192
F74LS192D	74LS192
F74LS192DC	74LS192
F74LS192P	74LS192
F74LS192PC	74LS192
F74LS194A	74LS194A
F74LS194AD	74LS194A
F74LS194ADC	74LS194A
F74LS194AP	74LS194A
F74LS194APC	74LS194A
F74LS245	74LS245
F74LS245DC	74LS245
F74LS245PC	74LS245
F74LS248P	74LS248
F74LS249P	74LS249
F74LS251	74LS251
F74LS251DC	74LS251
F74LS251PC	74LS251
F74LS258	74LS258
F74LS258D	74LS258
F74LS258DC	74LS258
F74LS258P	74LS258
F74LS258PC	74LS258
F74LS260	74LS260
F74LS260D	74LS260
F74LS260DC	74LS260
F74LS260P	74LS260
F74LS260PC	74LS260
F74LS279	74LS279
F74LS279D	74LS279
F74LS279DC	74LS279
F74LS279P	74LS279
F74LS279PC	74LS299
F74LS295A	74LS295A
F74LS295AD	74LS295A
F74LS295ADC	74LS295A
F74LS295AP	74LS295A
F74LS295APC	74LS295A
F74LS299	74LS299
F74LS299D	74LS299
F74LS299DC	74LS299
F74LS299P	74LS299
F74LS299PC	74LS299
F74LS352	74LS352
F74LS352DC	74LS352
F74LS352PC	74LS352
F74LS353	74LS353
F74LS353DC	74LS353
F74LS353PC	74LS353
F74LS366	74LS366A
F74LS366D	74LS366A
F74LS366DC	74LS366A
F74LS366P	74LS366A
F74LS366PC	74LS366A
F74LS368	74LS368
F74LS368D	74LS368
F74LS368DC	74LS368
F74LS368P	74LS368
F74LS368PC	74LS366A
F74LS373	74LS373
F74LS373DC	74LS373
F74LS373PC	74LS373
F74LS378	74LS378
F74LS378DC	74LS378

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
F74LS378PC	74LS378
F74LS379	74LS379
F74LS379DC	74LS379
F74LS379PC	74LS379
F74LS390	74LS390
F74LS390DC	74LS390
F74LS390PC	74LS390
F74LS393	74LS393
F74LS393DC	74LS393
F74LS393PC	74LS393
F74LS395	74LS395A
F74LS395DC	74LS395A
F74LS395PC	74LS395A
F74LS490	74LS490
F74LS490DC	74LS490
F74LS490PC	74LS490
F74LS540	74LS540
F74LS540DC	74LS540
F74LS540PC	74LS540
F74LS541	74LS541
F74LS541DC	74LS541
F74LS541PC	74LS541
F74LS670	74LS670
F74LS670D	74LS670
F74LS670DC	74LS670
F74LS670P	74LS670
F74LS670PC	74LS670
F74S138PC	74S138
F75(SCR)	5524
F76(SCR)	5527
F77(SCR)	5527
F78(SCR)	5501
F78L05AC	977
F78L05AV	977
F78L05AWC	977
F78L06	988
F78L06AC	988
F78L06C	988
F78L062AC	988
F78L62AC	988
F78L62AWC	988
F78L62WV	988
F79(SCR)	5502
F80(SCR)	5504
F81(SCR)	5507
F82(SCR)	5507
F83(SCR)	5509
F84(SCR)	5541

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F"
Ex: FPN3645 - Not Found
PN3645 = ECG159

To Be Replaced	ECG Replacement
F84A(SCR)	5541
F85(SCR)	5542
F85A(SCR)	5542
F86(SCR)	5543
F86A(SCR)	5543
F87(SCR)	5545
F87A(SCR)	5545
F88-9779F	736
F88(SCR)	5545
F88A(SCR)	5545
F89(SCR)	5547
F89A(SCR)	5547
F96N	108
F98(SCR)	5524
F99(SCR)	5527
F100(SCR)	5483§
F101(SCR)	5401
F102(SCR)	5402
F102A(SCR)	5402
F103(SCR)	5404
F104(SCR)	5404
F105(SCR)	5405
F106(SCR)	5405
F107(SCR)	5405
F108(SCR)	5405
F109(SCR)	5406
F110(SCR)	5406
F113A	552
F113B	552
F113D	552
F113E	552
F113F	552
F114B	552
F114D	552
F114E	552
F114F	552
F121-433804	123A
F131(SCR)	5541
F132(SCR)	5541
F133(SCR)	5542
F134(SCR)	5543
F135(SCR)	5543
F136	109
F136(SCR)	5545
F137(SCR)	5545
F138(SCR)	5547
F139(SCR)	5529
F140(SCR)	5501
F141(SCR)	5501
F142(SCR)	5502
F143(SCR)	5504
F144(SCR)	5504
F145(SCR)	5507
F146(SCR)	5507
F147(SCR)	5507
F148(SCR)	5509
F149(SCR)	5529
F161-249-1001	949
F200(SCR)	5487§
F201(SCR)	5487§
F205(SCR)	5509
F206(SCR)	5529
F207(SCR)	5531
F208(SCR)	5531
F209	159
F210(SCR)	5547
F210A(SCR)	5547
F211	5547
F211(SCR)	5547
F211A	5547
F211A(SCR)	5547
F215-1001	108
F215-1002	108
F215-1003	108
F215-1004	108
F215-1005	108
F215-1006	102A
F215-1007	102A
F215-1008	102A
F215-1009	102A
F215-1010	109
F215-1012	109
F215-1013	109
F215-1014	109
F215-1016	116
F215-1017	116
F215(SCR)	5529
F216(SCR)	5529
F217(SCR)	5547
F218(SCR)	5547
F221(SCR)	5481§
F222	123A
F222(SCR)	5481§
F223(SCR)	5482§
F224(SCR)	5483§
F225(SCR)	5483§
F226(SCR)	5485§
F227(SCR)	5485§
F228(SCR)	5487§
F229(SCR)	5404
F230(SCR)	5521
F231(SCR)	5521
F232(SCR)	5522
F233(SCR)	5524
F234(SCR)	5524
F235(SCR)	5527
F236(SCR)	5527
F237(SCR)	5527
F238(SCR)	5541
F239(SCR)	5541
F240(SCR)	5542
F241(SCR)	5543
F242(SCR)	5543
F243(SCR)	5545
F244(SCR)	5545
F245(SCR)	5545
F248	314
F248A	314
F250(SCR)	5481§
F251(SCR)	5481§
F252(SCR)	5482§
F253(SCR)	5483§
F254(SCR)	5483§
F255(SCR)	5485§
F256(SCR)	5485§
F257(SCR)	5485§
F258(SCR)	5485§
F259(SCR)	5487§
F260(SCR)	5481§
F261(SCR)	5481§
F262(SCR)	5482§
F263(SCR)	5483§
F264(SCR)	5483§
F265(SCR)	5485§
F266	5485§
F266(SCR)	5485§
F267	5485§
F267(SCR)	5485§
F268	5485§
F268(SCR)	5485§
F269(SCR)	5487§
F280(SCR)	5521
F281(SCR)	5521
F282(SCR)	5522
F283(SCR)	5524
F284(SCR)	5524
F285(SCR)	5527
F286(SCR)	5527
F287(SCR)	5527
F288(SCR)	5527
F289(SCR)	5529
F290(SCR)	5541
F291(SCR)	5541
F292(SCR)	5542
F293(SCR)	5543
F294(SCR)	5543
F295-02(Zenith)	177
F295-03(Zenith)	552
F295(SCR)	5545
F296(SCR)	5545
F297(SCR)	5545
F298(SCR)	5545
F299(SCR)	5547
F302-1	123A
F302-2	123A
F302-1532	123A
F302-2532	123A
F306-001	123A
F306-022	123A
F318-1	128
F321A(SCR)	5481§
F322A(SCR)	5481§
F323A(SCR)	5482§
F324(Europe)	395
F324A(SCR)	5483§
F325A(SCR)	5483§
F326A(SCR)	5485§
F327A(SCR)	5485§
F328A(SCR)	5485§
F329A(SCR)	5487§
F330A(SCR)	5487§
F366	123A
F380(SCR)	5491
F381(SCR)	5491
F382(SCR)	5492
F382A(SCR)	5492
F383(SCR)	5494
F383A(SCR)	5494
F384(SCR)	5494
F384A(SCR)	5494
F385(SCR)	5496
F385A(SCR)	5496
F386(SCR)	5496
F388	5547◆
F388(SCR)	5547
F388A(SCR)	5547
F422(Europe)	399
F431(SCR)	5529
F432(SCR)	5529
F433(SCR)	5545
F434(SCR)	5531
F438(SCR)	5531
F439(SCR)	5531
F442-41	725
F501	161
F501-16	161
F501(SCR)	5504
F501(ZENITH)	161
F502	161
F502(SCR)	5507
F502(ZENITH)	161
F503(SCR)	5507
F504(SCR)	5509
F505(SCR)	5501
F506(SCR)	5502
F507(SCR)	5504
F508(SCR)	5507
F509(SCR)	5507
F521(SCR)	5401
F522(SCR)	5402
F523	161
F523(SCR)	5404
F524(SCR)	5405
F525(SCR)	5405
F526(SCR)	5406
F527(SCR)	5406
F531	123A
F545(SCR)	5482§
F546(SCR)	5483§
F547(SCR)	5487§
F549-1	159
F567	5492
F572-1	123A
F572(SCR)	5404
F585-34	263
F587	123A
F609	5514
F610(Rectifier)	5515
F610(Varactor)	614
F611	5515
F612	5589◆
F613(SCR)	5504
F614(SCR)	5507
F615(SCR)	5507
F616(SCR)	5509
F617	5589◆
F618(SCR)	5543
F619(SCR)	5545
F620(SCR)	5545
F622	5589◆
F623	5517
F624	5518
F625	5518
F625-1	128
F627	5543
F628	5545
F629	5545
F630	5547
F631	5547
F632	5587◆
F633	5587◆
F634	5587◆
F635	5587◆
F636	5587◆
F649	5589◆
F650	5589◆
F651	5589◆
F656(GAK)	5401
F656(SCR)	5402
F657(GAK)	5402
F657(SCR)	5402
F658(GAK)	5404
F658(SCR)	5404
F659(GAK)	5405
F664S	5402
F665(SCR)	5481§
F666(SCR)	5482§
F667(SCR)	5483§
F668(SCR)	5485§
F674S	5402
F676S	5402
F699	159
F733DC	927D
F733HC	927
F733PC	927D
F752(SCR)	5524
F753(SCR)	5527
F754(SCR)	5527
F755(SCR)	5529
F756(SCR)	5529
F757PC	722
F767PC	722
F822	108
F903-10G	5312
F903-11G	5312
F903-12G	5313
F903-13G	5314
F903-14G	5314
F903-15G	5315
F903-16G	5315
F903-18G	5316
F903-20G	5312
F903-21G	5312
F903-22G	5313
F903-23G	5314
F903-24G	5314
F903-25G	5315
F903-26G	5315
F903-28G	5316
F903-40G	5312
F903-41G	5312
F903-42G	5313
F903-43G	5314
F903-44G	5314
F903-45G	5315
F903-46G	5315
F903-48G	5316
F903B-10	5312
F903B-10/20	166
F903B-10G	166
F903B-11	5312
F903B-11/21	166
F903B-11G	166
F903B-12	5313
F903B-12/22	167
F903B-12G	167
F903B-13G	168
F903B-14	5314
F903B-14/24	168
F903B-14G	168
F903B-15G	169
F903B-16	5315
F903B-16/26	169
F903B-16G	169
F903B-18	5316
F903B-18/28	170
F903B-18G	170
F903B-20	5312
F903B-20G	166
F903B-21	5312
F903B-21G	166
F903B-22	5313
F903B-22G	167
F903B-23G	168
F903B-24	5314
F903B-24G	168
F903B-26	5315
F903B-26G	169
F903B-28	5316
F903B-28G	170
F903B-100/200	170
F903B-286-1	22
F903B-286-2	22
F903B-286-3	22
F903B-286-4	22
F903B-286-5	22
F903B-286-6	22
F903B-286-7	22
F903B-286-8	22
F903B-286-9	22
F903B-286-10	22
F903B-286-11	22
F903B-286-12	22
F903B-286-13	22
F903B-286-14	22
F903B-286-15	22
F903C-10G	166
F903C-11G	166
F903C-12G	167
F903C-13G	168
F903C-14G	168
F903C-15G	169
F903C-16G	169
F903C-18G	170
F903C-20G	166
F903C-21G	166
F903C-22G	167
F903C-23G	168
F903C24G	168
F903C-25G	169
F903C-26G	169
F903C-28G	170
F941(SCR)	5454
F942(SCR)	5455
F944(GAK)	5402
F945(GAK)	5404
F946(KAG)	5402
F947(KAG)	5404
F948(KAG)	5405
F949(KAG)	5405
F954	5570◆
F955	5572◆
F956	5572◆
F957	5572◆
F958	5572◆
F959	5574◆
F960	5574◆
F978	5584◆
F979	5584◆
F980	5584◆
F981	5584◆
F982	5584◆
F983	5584◆
F988	5580◆
F989	5582◆
F990	5582◆
F991	5582◆
F992	5582◆
F993	5584◆
F994	5584◆
F1035	326
F1035(HEP)	326
F1036	460
F1082	5570◆
F1083	5572◆
F1084	5572◆
F1085	5572◆
F1086	5572◆
F1087	5574◆
F1088	5574◆
F1089(SCR)	5483§
F1090(SCR)	5485§
F1091(SCR)	5485§
F1092(SCR)	5487§
F1093	5584◆
F1094	5472§
F1095	5474§
F1096	5474§
F1097	5476
F1098	5584◆
F1099	5454
F1099(SCR)	5454
F1100	5455
F1100(SCR)	5455
F1101	5580◆
F1102	5582◆
F1103	5582◆
F1104	5582◆
F1105	5582◆
F1106	5584◆
F1107	5584◆
F1108	5584◆
F1109	5584◆
F1110(GAK)	5401
F1110(SCR)	5401
F1111(GAK)	5402
F1112(GAK)	5404
F1112(SCR)	5404
F1113(GAK)	5405
F1114(GAK)	5405
F1139	5457
F1139(SCR)	5457
F1140	5457
F1140(SCR)	5457
F1142	5587
F1143	5587
F1144	5587
F1145	5587
F1146	5587
F1147	5589
F1148	5589
F1149	5589
F1168A	230
F1169	5402
F1170	5404
F1171	5405
F1172	5405
F1177(SCR)	5402
F1178(SCR)	5404
F1179	5548◆
F1180	5548◆
F1271	5400
F1422	230
F1422A	230
F1422B	230
F1422C	230
F1422D	230
F1427-100	5454
F1427-200	5455
F1427-300	5457
F1428-200	5463
F1428-400	5465
F1462	312
F1463	312
F1659C	123AP
F1825DH400	5712
F1825DH600	5712
F1825DH800	5712
F1825DH1000	5712
F1825DH1200	5712
F1825HD400	5711
F1825HD600	5711
F1825HD800	5711
F1825HD1000	5711
F1825HD1200	5711
F1825RD400	6220
F1825RD600	6220
F1825RD800	6220
F1825RD1000	6220
F1825RD1200	6220
F1825SD400	5710
F1825SD600	5710
F1825SD800	5710
F1825SD1000	5710
F1825SD1200	5710
F1826-0044	725
F1840DH400	5712
F1840DH600	5712
F1840DH800	5712
F1840DH1000	5712
F1840DH1200	5712
F1840HD400	5711
F1840HD600	5711
F1840HD800	5711
F1840HD1000	5711
F1840HD1200	5711
F1840RD400	6220
F1840RD600	6220
F1840RD800	6220
F1840RD1000	6220
F1840RD1200	6220
F1840SD400	5710
F1840SD600	5710
F1840SD800	5710
F1840SD1000	5710
F1840SD1200	5710
F1855DH400	5712
F1855DH600	5712
F1855DH800	5712
F1855DH1000	5712
F1855DH1200	5712
F1855HD400	5711
F1855HD600	5711
F1855HD800	5711
F1855HD1000	5711
F1855HD1200	5711
F1855RD400	6230
F1855RD600	6230
F1855RD800	6230
F1855RD1000	6230
F1855RD1200	6230
F1855SD400	5710
F1855SD600	5710
F1855SD800	5710
F1855SD1000	5710
F1855SD1200	5710
F1890DH400	5722
F1890DH600	5722
F1890DH800	5722
F1890DH1000	5722
F1890DH1200	5722
F1890HD400	5721
F1890HD600	5721
F1890HD800	5721
F1890HD1000	5721
F1890HD1200	5721
F1890RD400	6230
F1890RD600	6230
F1890RD800	6230
F1890RD1000	6230
F1890RD1200	6230
F1890SD400	5720
F1890SD600	5720
F1890SD800	5720
F1890SD1000	5720
F1890SD1200	5720
F2004	4546
F2004(HEP)	221
F2005	220
F2005(HEP)	220
F2007(HEP)	222
F2102F	2102
F2102FC	2102
F2102FDC	2102
F2102FPC	2102
F2114-3	2114
F2114C-3	2114
F2114DC-3	2114
F2114PC-3	2114
F2427	108
F2443	123A
F2448	123A
F2450	108
F2560-1	729
F2561	312
F2584	123A
F2629	312
F2633	108
F2634	108
F2636	108
F2708D	2708
F2716D	2716
F2732	2732
F2732D	2732
F3519	123A
F3528(RAM)	2128
F3528DC-25	2128
F3528DC-35	2128
F3528PC-25	2128
F3528PC-35	2128
F3530	108
F3532	123A
F3535	161
F3539-2DC	3539
F3539-2PC	3539
F3539CN	3539
F3539DC	3539
F3539PC	3539
F3549	129
F3559	159
F3560	128
F3561	128
F3565	128
F3569	123A
F3570	159
F3571	123A
F3574	161
F3589	128
F3590	159
F3597	159
F4000PC	4000
F4001B	4001B
F4001BDC	4001B
F4001BPC	4001B
F4001PC	4001B
F4002BDC	4002B
F4002BPC	4002B
F4002PC	4002B
F4006	4006B
F4006B	4006B
F4006BC	4006B
F4006BDC	4006B
F4006BPC	4006B
F4007UB	4007
F4007UBPC	4007
F4008	4008B
F4008B	4008B
F4008BDC	4008B
F4008BPC	4008B
F4011	4011B
F4011B	4011B
F4011BDC	4011B
F4011BPC	4011B
F4011PC	4011B
F4012B	4012B
F4012BDC	4012B
F4012BPC	4012B
F4012PC	4012B
F4013	4013B
F4013B	4013B
F4013BDC	4013B
F4013BPC	4013B
F4013PC	4013B
F4014	4014B
F4014B	4014B
F4014BDC	4014B
F4014BPC	4014B
F4014PC	4014B
F4015	4015B
F4015B	4015B
F4015BDC	4015B
F4015BPC	4015B
F4015PC	4015B
F4016	4016B
F4016B	4016B
F4016BDC	4016B
F4016BPC	4016B
F4016PC	4016B
F4017	4017B
F4017B	4017B
F4017BDC	4017B
F4017BPC	4017B
F4017PC	4017B
F4018	4018B
F4018B	4018B
F4018BDC	4018B
F4018BPC	4018B
F4019	4019B
F4019B	4019B
F4019BDC	4019B
F4019BPC	4019B
F4019PC	4019B
F4020	4020B
F4020B	4020B
F4020BDC	4020B
F4020BPC	4020B
F4020PC	4020B
F4021	4021B
F4021B	4021B
F4021BDC	4021B
F4021BPC	4021B
F4021DC	4021B
F4021PC	4021B
F4022	4022B
F4022B	4022B
F4022BDC	4022B
F4022BPC	4022B
F4023B	4023B
F4023BDC	4023B
F4023BPC	4023B
F4023PC	4023B
F4024B	4024B
F4024BDC	4024B
F4024BPC	4024B
F4024PC	4024B
F4025B	4025B
F4025BDC	4025B
F4025BPC	4025B
F4025PC	4025B
F4027B	4027B
F4027BDC	4027B
F4027BPC	4027B
F4027PC	4027B
F4028B	4028B
F4028BDC	4028B
F4028BPC	4028B
F4028PC	4028B
F4029	4029B
F4029B	4029B
F4029BDC	4029B
F4029BPC	4029B
F4029PC	4029B
F4030B	4030B
F4030BDC	4030B
F4030BPC	4030B
F4030PC	4030B
F4031B	4031B
F4031BDC	4031B
F4031BPC	4031B
F4034	4034B
F4034B	4034B
F4034BDC	4034B
F4034BPC	4034B
F4035	4035B
F4035B	4035B
F4035BDC	4035B
F4035BPC	4035B
F4040B	4040B
F4040BDC	4040B
F4040BPC	4040B
F4040PC	4040B
F4041BDC	4041
F4041BPC	4041
F4042B	4042B
F4042BDC	4042B
F4042BPC	4042B
F4042DC	4042B
F4042PC	4042B
F4043	4043B
F4043B	4043B
F4043BDC	4043B
F4043BPC	4043B
F4044	4044B
F4044B	4044B
F4044BDC	4044B
F4044BPC	4044B
F4045B	4045B
F4045BDC	4045B
F4045BPC	4045B
F4046	4046B
F4046B	4046B
F4046BDC	4046B
F4046BPC	4046B
F4047BDC	4047B
F4047BPC	4047B
F4049B	4049
F4049BDC	4049
F4049BPC	4049
F4049PC	4049
F4050B	4050B
F4050BDC	4050B
F4050BPC	4050B
F4050PC	4050B
F4051B	4051B
F4051BDC	4051B
F4051BPC	4051B
F4051PC	4051B
F4052B	4052B
F4052BDC	4052B
F4052BPC	4052B
F4053B	4053B
F4053BDC	4053B
F4053BPC	4053B
F4055B	4055B
F4055BDC	4055B
F4055BPC	4055B
F4055DC	4055B
F4055PC	4055B
F4066	4066B
F4066B	4066B
F4066BDC	4066B
F4066BPC	4066B
F4067B	4067B
F4067BDC	4067B
F4067BPC	4067B
F4068B	4068B
F4068BDC	4068B
F4068BPC	4068B
F4068PC	4068B
F4069DC	4069
F4069PC	4069
F4070BDC	4070B
F4070BPC	4070B
F4071B	4071B
F4071BDC	4071B
F4071BPC	4071B
F4071PC	4071B
F4072B	4072B
F4072BDC	4072B
F4072BPC	4072B
F4073	4073B
F4073B	4073B
F4073BDC	4073B
F4073BPC	4073B
F4075	4075B
F4075B	4075B
F4075BDC	4075B
F4075BPC	4075B
F4076	4076B
F4076B	4076B
F4076BDC	4076B
F4076BPC	4076B
F4077B	4077B
F4077BDC	4077B
F4077BPC	4077B
F4077PC	4077B
F4078B	4078B
F4078BDC	4078B
F4078PC	4078B
F4081B	4081B
F4081BDC	4081B
F4081BPC	4081B

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
F4081PC	4081B
F4082	4082B
F4082B	4082B
F4082BDC	4082B
F4082BPC	4082B
F4085B	4085B
F4085BDC	4085B
F4085BPC	4085B
F4085PC	4085B
F4086B	4086B
F4086BDC	4086B
F4086BPC	4086B
F4086PC	4086B
F4093DC	4093B
F4093PC	4093B
F4099B	4099B
F4099BDC	4099B
F4099BPC	4099B
F4099PC	4099B
F4117-1	949
F4470-13	128
F4510	4510B
F4510B	4510B
F4510BDC	4510B
F4510BPC	4510B
F4511	4511B
F4511BDC	4511B
F4511BPC	4511B
F4511DC	4511B
F4511PC	4511B
F4512	4512B
F4512B	4512B
F4512BDC	4512B
F4512BPC	4512B
F4512DC	4512B
F4512PC	4512B
F4514	4514B
F4514B	4514B
F4514BDC	4514B
F4514BPC	4514B
F4515	4515B
F4515B	4515B
F4515BDC	4515B
F4515BPC	4515B
F4516	4516B
F4516B	4516B
F4516BDC	4516B
F4516BPC	4516B
F4518B	4518B
F4518BDC	4518B
F4518BPC	4518B
F4518PC	4518B
F4520B	4520B
F4520BDC	4520B
F4520BPC	4520B
F4520PC	4520B
F4521B	4521B
F4521BDC	4521B
F4521BPC	4521B
F4522B	4522B
F4522BDC	4522B
F4522BPC	4522B
F4522PC	4522B
F4526B	4526B
F4526BDC	4526B
F4526BPC	4526B
F4527B	4527B
F4527BDC	4527B
F4527BPC	4527B
F4527PC	4527B
F4528BDC	4528B
F4528BPC	4528B
F4531BDC	4531B
F4531BPC	4531B
F4532B	4532B
F4532BDC	4532B
F4532BPC	4532B
F4539B	4539B
F4539BDC	4539B
F4539PC	4539B
F4539PDC	4539B
F4555B	4555B
F4555BDC	4555B
F4555BPC	4555B
F4555PC	4555B
F4556B	4556B
F4556BDC	4556B
F4556BPC	4556B
F4583B	4583B
F4583BDC	4583B
F4583BPC	4583B
F4706	108
F4709	128
F4846-1	949
F5404DM	7404
F5885PC	6885
F5886PC	6886
F5887PC	6887
F5888PC	6888
F6800	6800
F6800C	6800
F6800CP	6800
F6802	6802
F6802C	6802
F6802CP	6802
F6809	6809
F6809E	6809
F6809EP	6809E
F6809P	6809
F6810	6810
F6810C	6810
F6810CP	6810
F6821	6821
F6821C	6821
F6821CP	6821
F6821P	6821
F6850	6850
F6850C	6850
F6850CP	6850
F6850P	6850
F-7408PC	7408
F7408PC	7408
F-7417PC	7417
F7417PC	7417
F7430PC	7430
F7474PC	7474
F7493APC	7493A
F8114	5527
F9003DC	7410
F9014D	123AP
F9301	8301
F9301DC	8301
F9301PC	8301
F9309	8309
F9309DC	8309
F9309PC	8309
F-9311	74154
F9311	74154
F9316PC	74161
F9328	8328
F9328DC	8328
F9328PC	8328
F9370	8370
F9370DC	8370
F9370PC	8370
F9600	123A
F9623	123A
F9623(G.E.)	108
F9625	108
F10124	116
F10148	116
F10180	116
F11034	125
F15810	108
F15835	108
F15840	123A
F15840-1	123A
F15841	108
F20303	109
F21021	2102
F21021C	2102
F21021DC	2102
F21021PC	2102
F21022	2102
F21022C	2102
F21022DC	2102
F21022PC	2102
F21490	159
F34046	4046B
F34046DC	4046B
F34046PC	4046B
F34046PCD	4046B
F35392DC	3539
F35392PC	3539
F40085B	40085B
F40085BDC	40085B
F40085BPC	40085B
F40097	80C97
F40097B	40097B
F40097BDC	40097B
F40097BPC	40097B
F40097DC	80C97
F40097PC	80C97
F40098B	40098B
F40098BDC	40098B
F40098BPC	40098B
F40160B	40160B
F40160BDC	40160B
F40160BPC	40160B
F40161B	40161B
F40161BDC	40161B
F40161BPC	40161B
F40162B	40162B
F40162BDC	40162B
F40162BPC	40162B
F40163B	40163B
F40163BDC	40163B
F40163BPC	40163B
F40174B	40174B
F40174BDC	40174B
F40174BPC	40174B
F40175B	40175B
F40175BDC	40175B
F40175BPC	40175B
F40182	40182B
F40182B	40182B
F40192B	40192B
F40192BDC	40192B
F40192BPC	40192B
F40193B	40193B
F40193BDC	40193B
F40193BPC	40193B
F40194B	40194B
F40194BDC	40194B
F40194BPC	40194B
F40194PDC	40194B
F40195B	40195B
F40195BDC	40195B
F40195BPC	40195B
F40273	2104
F40273C	2104
F40273CD	2104
F40273CP	2104
F40274	2104
F40274C	2104
F40274CD	2104
F40274CP	2104
F40275	2104
F40275C	2104
F40275CD	2104
F40275CP	2104
F73216	160
F-74125P	74125
F-74125PC	74125
F74154PC	74154
F74155PC	74155
F74157	74157
F74157DC	74157
F74157PC	74157
F-74164PC	74164
F74173	74173
F74173DC	74173
F74173PC	74173
F74174PC	74174
F-74174PC	74174
F-74175PC	74175
F74290	74290
F74290DC	74290
F74290PC	74290
F74293	74293§
F74293DC	74293§
F74293PC	74293§
F75116	123A
F75450	75450B
F75450APC	75450B
F75450BPC	75450B
F75451	75451B
F75451ATC	75451B
F75451BTC	75451B
F75452	75452B
F75452ATC	75452B
F75452BTC	75452B
F75453	75453B
F75453ATC	75453B
F75453BTC	75453B
F75454	75454B
F75454ATC	75454B
F75454BTC	75454B
F93150PM	74150
F93417	74S387
F93417A	74S387
F93417AD	74S387
F93417ADC	74S387
F93417AP	74S387
F93417APC	74S387
F93417D	74S387
F93417DC	74S387
F93417PC	74S387
F93427A	74S287
F93427AD	74S287
F93427ADC	74S287
F93427AP	74S287
F93427APC	74S287
F93427D	74S287
F93427DC	74S287
F93427P	74S287
F93427PC	74S287
F93436	74S570
F93436D	74S570
F93436DC	74S570
F93436P	74S570
F93436PC	74S570
F93438	74S475
F93438D	74S475
F93438DC	74S475
F93438P	74S475
F93438PC	74S475
F93446	74S571
F93446D	74S571
F93446DC	74S571
F93446DC-1	22
F93446DC-2	22
F93446DC-3	22
F93446DC-4	22
F93446DC-5	22
F93446DC-6	22
F93446DC-7	22
F93446DC-8	22
F93446DC-9	22
F93446DC-10	22
F93446DC-11	22
F93446DC-12	22
F93446DC-13	22
F93446DC-14	22
F93446DC-15	22
F93446P	74S571
F93446PC	74S571
F93448	74S474
F93448D	74S474
F93448DC	74S474
F93448P	74S474
F93448PC	74S474
F93450	74S479
F93450D	74S479
F93450DC	74S479
F93450P	74S479
F93450PC	74S479
F93451	74S478
F93451D	74S478
F93451DC	74S478
F93451P	74S478
F93451PC	74S478
F93452	74S572
F93452D	74S572
F93452DC	74S572
F93452P	74S572
F93452PC	74S572
F93453	74S573
F93453D	74S573
F93453DC	74S573
F93453P	74S573
F93453PC	74S573
F93515D	74S454
F93515DC	74S454
F93515P	74S454
F93515PC	74S454
F115328	123A
F136555	725
F889779F	736
F960159	9601
FA-1(Diode)	109
FA-1(IC)	1236
FA-1(Sears)	123A
FA-1(Transistor)	175
FA1A4M	2414
FA1F4M	2416
FA1L4M	2418
FA-2	614
FA4	116
FA6	116
FA8	125
FA111	177
FA733CK	927
FA733CN	927D
FA-6008T	1041
FA8005	141A
FA8006	141A
FA8007	141A
FA8008	141A
FA8009	145A
FA8010	145A
FA8011	145A
FA8012	145A
FB05	166
FB30G(Diode)	580
FB100	166
FB100-815	77
FB151M	5304
FB152M	5304
FB153M	5304
FB154M	5304
FB155M	5305
FB156M	5306
FB157M	5307
FB200	168
FB-200	168
FB301	5312
FB302	5312
FB303	5313
FB304	5314
FB305	5315
FB306	5316
FB307	5317
FB400	168
FB401	160
FB402	160
FB403	160
FB420	102A
FB421	102A
FB440	160
FB600	169
FB800	170
FB1000	170
FB1001	5322
FB1001L	5312
FB1002	5322
FB1002L	5313
FB1004	5324
FB1004L	5314
FB1006	5326
FB1006L	5315
FB1043	109
FB2500	5322
FB2501	5322
FB2502	5322
FB2504	5324
FB2506	5326
FB2508	5327
FB2510	5328
FB3500	5340
FB3501	5340
FB3502	5340
FB3504	5342
FB3506	5342
FB3508	5344
FB3510	5344
FB6853	123A
FB8056	128P
FB8550	129P
FBC237	123A
FBL00121	6074
FBL00122	6074
FBL00123	6074
FBN-2N1183	176
FBN-35469	175
FBN-35903	175
FBN-36220	130
FBN-36485	130
FBN-36486	175
FBN36487	284
FBN-36488	175
FBN-36603	130
FBN-36972	181
FBN-36973	181
FBN-37605	124
FBN-38021	124
FBN-38022	181
FBN-38982	124
FBN-CP2293	102
FBN-CP34634	128
FBN-CP34759	176
FBN-L101	128
FBN-L103	129
FBN-L108	124
FBN-L109	128
FBN-L113	128
FBN-L115	128
FBN-L148	128
FBN-L156A	130
FBNL172	243
FBN-L36220	130
FBN-L36220A	130
FBP-00-024	5547
FBP005	166
FBP01	166
FBP02	167
FBP04	168
FBP06	169
FBP08	170
FBP10	170
FBPC601	5312
FBPC602	5312
FBPC603	5313
FBPC604	5314
FBPC605	5315
FBPC606	5316
FBPC607	5317
FBT00045	923
FBT00047	1916
FBT00048	1919
FBT00071	923
FBT-00-015	912
FBT00131	1920
FBTX070	128
FBU4A	5329
FBU4B	5329
FBU4D	5329
FBU4G	5330
FBU4J	5330
FBV-00-009	5695
FC52	614
FC-52	614
FC-52M	614
FC55	611
FC56	616
FC57	616
FC74LS93	74LS93
FC81	613
FC82	610
FC5006	108
FC8092CN	8092
FC8123CN	8123
FC8219CN	8219
FC8223CN	8223§
FC8520CN	8520
FC8542CN	8542
FC8546CN	8546
FC8550	294
FC8552CN	8552§
FC8553CN	8553
FC8554CN	8554
FC8555CN	8555§
FC8556CN	8556
FC8613CN	8613
FC8853CN	8853
FC9015	159
FCD0003PC	177
FCD0014NCS	177
FCD0070ANC	614
FCD810	3040
FCD810A	3040
FCD810B	3040
FCD810C	3040
FCD810D	3040
FCD820	3040
FCD820A	3040
FCD820B	3040
FCD820C	3040
FCD820D	3040
FCD825	3041
FCD825A	3041
FCD825B	3041
FCD825C	3041
FCD825D	3041
FCD830	3040
FCD830A	3040
FCD830B	3040
FCD830C	3040
FCD830D	3040
FCD831	3040
FCD831A	3040
FCD831B	3040
FCD831C	3040
FCD831D	3040
FCD836	3040
FCD836C	3040
FCD836D	3040
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FCS1229F	123A
FCS1229G	123A
FCS1676BL	128
FCS1677LC	129
FCS1795D	129
FCS3716	284
FCS8050C	289A
FCS8550	290A
FCS8550C	290A
FCS9011	289A
FCS9011A	123AP
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FCS9011E	85
FCS9011F	85
FCS9011G	85
FCS9011H	85
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FCS9012F	290A
FCS-9012G	159
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FCS9012HG	159
FCS9012I	290A
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FCS9013C	85
FCS9013F	85
FCS-9013F	123AP
FCS-9013G	123AP
FCS9013G	85
FCS9013H	85
FCS9013HG	123AP
FCS9013HH	123AP
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FCS9014B(EBC)	199
FCS9014C(EBC)	199
FCS9014D(EBC)	123AP
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FCS9016I	108
FCS9018	108
FCS9018D	108
FCS9018E	108
FCS9018F	108
FCS9018G	108
FCS9018H	108
FCS9018I	108
FCS9066	108
FD01880	519
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FD3	116
FD6	519
FD100	519
FD111	519
FD200	177
FD222	177
FD333	519◆
FD700	519
FD777	519
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FD-1029-BP	179◆
FD-1029-CH	5200A
FD-1029-CK	179
FD-1029-DF	116
FD-1029-DG	116
FD-1029-DL	5194A
FD-1029-DT	5187A
FD-1029-EA	5198A
FD-1029-EE	102
FD1029EE	102
FD-1029-EM	179
FD-1029-EP	5019A
FD-1029-ES	5087A
FD-1029-ET	121
FD-1029ET	121
FD-1029-EY	101
FD-1029-FB	109
FD-1029-FE	5005A
FD-1029-FF	103A
FD-1029-FG	213◆
FD-1029-FH	5010A
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FD-1029-GP	519
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FD-1029-HY	179
FD-1029-JA	123A
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FD-1029-JH	71
FD-1029-JK	5214A
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FD-1029-JP	129
FD-1029-JS	6400B◆
FD-1029-JT	5080A
FD-1029-JU	5408
FD-1029-JW	5521
FD-1029-KC	5016A
FD-1029-KE	109
FD-1029-KG	5072A
FD-1029-KH	5027A
FD-1029-KK	5006A
FD-1029-KM	101
FD-1029-KN	5011A
FD-1029-KP	128
FD-1029-KR	5030A
FD-1029-KT	5408
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FD-1029-LC	5197A
FD-1029-LD	5066A
FD-1029-LE	5000A
FD-1029-LJ	136A
FD-1029-LK	143A
FD-1029-LL	123A
FD-1029-LM	5181A
FD-1029-LN	5282A
FD-1029-LP	5198A
FD-1029-LS	5818
FD-1029-LT	5276A
FD-1029-LU	284
FD-1029-LW	219
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FD-1029-MB	159
FD-1029-MC	177
FD-1029-ME	552
FD-1029-MG	5215A
FD-1029-MK	5042A
FD-1029-ML	129
FD-1029-MM	128
FD-1029-MN	137A
FD-1029-MP	140A
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FD-1029-MS	5077A
FD-1029-MT	5033A
FD-1029-NB	5801
FD-1029-NC	284
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FD-1029-NG	123A
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FD-1029-PB	369
FD-1029-PC	181
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FD-1029-PL	327
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FD-1029-PR	137A
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FD-1029-PY	159
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FD-1029-RG	5463
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FD-1029-RW	519
FD-1029-SC	311
FD-1029-SL	552
FD-1029-SN	125
FD-1029-TC	5015A
FD-1029-TE	5005A
FD-1029-WC	5069A
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FD-1029-WN	5010A
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FD-1029-YC	5007A
FD-1029-YD	123AP
FD-1029-YE	159
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FD-1073-BF	7400
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FD-1073-BH	7403
FD-1073-BJ	7404
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FD-1073-CB	7442
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FD-1073-CF	7476§
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FD-1073-CJ	74121
FD-1073-CK	74123
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FD-1073-CM	74153
FD-1073-CN	74154
FD-1073-CP	74180
FD-1073-CR	7490
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FD-1073-DC	7485
FD-1073-DE	74150
FD-1073-DF	74155
FD-1073-DH	74160
FD-1073-DJ	74161
FD-1073-DK	74163
FD-1073-DL	74175
FD-1073-DM	74177
FD-1073-DP	74180
FD-1073-DR	74191
FD1073-DY	955M
FD-1073-EB	7426
FD-1073-EC	924
FD-1073-ED	922
FD-1073-EE	74126
FD-1073-EF	778A
FD-1073-EG	941M
FD-1073-EH	75188
FD-1073-EM	910D
FD-1073-EN	911D§
FD-1073-EY	754538
FD-1073-FA	74128
FD-1073-FB	74174
FD-1073-FH	834
FD-1073-FL	7427
FD-1073-FN	74193
FD-1073-FP	919D
FD-1073-FT	956
FD-1073-FW	74125
FD-1073-FY	7409
FD-1073-GB	923D
FD-1079-AC	4049
FD-1079-AE	4001B
FD-1079-AF	4002B
FD-1079-AG	4007
FD-1079-AH	4011B
FD-1079-AJ	4012B

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F"
Ex: FPN3645 - Not Found
PN3645 = ECG159

♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
FD-1079-AK	4013B
FD-1079-AL	4016B
FD-1079-AM	4017B
FD-1079-AN	4022B
FD-1079-AP	4023B
FD-1079-AR	4028B
FD-1079-AS	4042B
FD-1079-AT	4049
FD-1079-AU	4050B
FD-1079-AW	4526B
FD-1079-AY	4528B
FD-1079-BA	4006B
FD-1079-BB	4051B
FD-1079-BC	8080A
FD-1079-BJ	4585B
FD-1079-BK	4070B
FD-1079-BL	4555B
FD-1079-BM	4512B
FD-1079-BN	4021B
FD-1079-BT	4516B
FD-1079-BU	4020B
FD-1079-BW	4024B
FD-1079-CE	4502B
FD-1079-CF	4515B
FD-1079-CH	4514B
FD-1079-CJ	4043B
FD-1079-CM	4015B
FD-1079-CN	4543B
FD-1079-DB	4001B
FD-1079-DC	4011B
FD-1079-DD	4049
FD-1079-DE	4050B
FD-1079-DF	4002B
FD-1079-DG	4012B
FD-1079-DH	4023B
FD-1079-DJ	4028B
FD-1079-DS	4066B
FD-1080-AA	74S00
FD-1080-AB	74S04
FD-1080-AC	74S11
FD-1080-AD	74S20
FD-1080-AE	74S40
FD-1080-AF	74S51
FD-1080-AG	74S74
FD-1080-AH	74S112
FD-1080-AJ	74S138
FD-1080-AK	74S140
FD-1080-AL	74S151

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F"
Ex: FPN3645 - Not Found
PN3645 = ECG159

To Be Replaced	ECG Replacement
FD-1080-AN	74S02
FD-1080-AR	74S05
FD-1080-AY	74S08
FD-1080-BA	74S10
FD-1080-BD	74S64
FD-1080-BE	74S153
FD-1080-BF	74S157
FD-1080-BG	74S158
FD-1080-BH	74S174
FD-1080-BJ	74S175
FD-1080-BK	74S194
FD-1080-BP	74S30
FD-1080-BT	74S86
FD-1080-BU	74S133
FD-1080-CA	74S181
FD-1080-CC	74S251
FD-1080-CE	74S258
FD-1080-DG	8212
FD-1081-AA	74LS86
FD-1081-AB	74LS08
FD-1081-AC	74LS139
FD-1081-AD	74LS153
FD-1081-AE	74LS158
FD-1081-AF	74LS175
FD-1081-AG	74LS197
FD-1081-AH	74LS00
FD-1081-AJ	74LS04
FD-1081-AK	74LS10
FD-1081-AL	74LS32
FD-1081-AM	74LS51
FD-1081-AN	74LS74A
FD-1081-AP	74LS75
FD-1081-AR	74LS138
FD-1081-AS	74LS151
FD-1081-AT	74LS161A
FD-1081-AU	74LS163A
FD-1081-AY	74LS174
FD-1081-BC	74LS257
FD-1081-BD	74LS258
FD-1081-BE	74LS283
FD-1081-BG	74LS367
FD-1081-BH	74LS670
FD-1081-BK	74LS157
FD-1081-BL	74LS365A
FD-1081-BM	74LS109A
FD-1081-BN	74LS02
FD-1081-BP	74LS20
FD-1081-BR	74LS259
FD-1081-BS	74LS11
FD-1081-BT	74LS38
FD-1081-BW	74LS30
FD-1081-BY	74LS240
FD-1081-CA	74LS244
FD-1081-CC	74LS27
FD-1081-CD	74LS37
FD-1081-CE	74LS85
FD-1081-CF	74LS93
FD-1081-CG	74LS112A
FD-1081-CH	74LS123
FD-1081-CJ	74LS126
FD-1081-CK	74LS164
FD-1081-CM	74LS191
FD-1081-CP	74LS273
FD-1081-CT	74LS374

To Be Replaced	ECG Replacement
FD-1081-CU	74LS05
FD-1081-CW	74LS14
FD-1081-CY	74LS221
FD-1081-DA	74LS125A
FD-1081-DB	74LS42
FD-1081-DC	74LS242
FD-1081-DD	74LS368
FD-1081-DE	74LS280
FD-1081-DF	74LS241
FD-1081-DG	74LS279
FD-1081-DH	74LS155
FD-1081-DJ	74LS21
FD-1081-DM	74LS253
FD-1081-DN	74LS160A
FD1599	116
FD1708	177
FD1843	177
FD1980	109
FD3389	116
FD3405	507
FD-4500-11	124
FD4500AL	181
FD6451	177
FD6489	177
FD8050	85
FDH-9	177
FDH300	177
FDH333	177
FDH400	587
FDH444	587
FDH600	519
FDH694	177
FDH6229	177
FE0654B	451
FE1A	587
FE1B	587
FE1C	587
FE1D	587
FE2A	588
FE2B	588
FE2C	588
FE2D	588
FE3A	588
FE3B	588
FE3C	588
FE3D	588
FE5A	576
FE5B	576
FE5C	576
FE5D	576
FE8A	7
FE8B	597
FE8C	597
FE8D	597
FE8F	598
FE8G	598
FE16A	6240
FE16AN	6244
FE16B	6240
FE16BN	6244
FE16C	6240
FE16CN	6244
FE16D	6240
FE16DN	6244
FE100	312
FE100A	312
FE102	312
FE102A	312
FE104A	312
FE400	312
FE402	312
FE402A	312
FE404A	312
FE654C	457
FE3819	457
FE4302	457
FE9018	108
FE10015	99
FE10015A	99
FEL2113	709
FEL2113-1	22
FEL2113-2	22
FEL2113-3	22
FEL2113-4	22
FEL2113-5	22
FEL2113-6	22
FEL2113-7	22
FEL2113-8	22
FEL2113-9	22
FEL2113-10	22
FEL2113-11	22
FEL2113-12	22
FEL2113-13	22
FEL2113-14	22
FEL2113-15	22
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FEP16HT	6241
FEP16JT	6241
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FEP30CP	6246#
FEP30DP	6246#
FEP30FP	6247#
FEP30GP	6247#
FEP30HP	6247#
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FEPF30GP	6247#
FEPF30HP	6247#
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FES8HT	598
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FFB03DOF	5705
FFB06AOF	5703
FFB06DOF	5705
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FG-2N	506
FG-2NA	116
FG-2Na	506
FG2PC	506
FG79	199
FG-12377	177
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FH100	112
FH340M	5424#
FH1121	189◆
FH70401E	748A
FI100	464§
FI-1007	159
FI-1008	159
FI-1019	106
FI-1021	234
FI 1023	107
FJH101	7430
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FJH171	7453
FJH181	7454
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FJH211	7483
FJH221	7402
FJH231	7401
FJH241	7404
FJH251	7405
FJH261	7442
FJH271	7486
FJH281	74180
FJH291	7403
FJH301	7426
FJH311	7401
FJH321	7405
FJH341	74154
FJH421	7408
FJJ101	7470
FJJ111	7472
FJJ121	7473
FJJ131	7474
FJJ141	7490
FJJ152	7492
FJJ181	7475
FJJ191	7476§
FJJ211	7493A
FJJ231	7495
FJJ241	7496
FJJ251	7492
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FLC8255TN	8255
FLC8255TR	8255
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FLH121	7420
FLH125	7420◆
FLH131	7430
FLH135	7430◆
FLH141	7440
FLH145	7440◆
FLH151	7450
FLH155	7450◆
FLH161	7451
FLH165	7451◆
FLH171	7453
FLH175	7453◆
FLH181	7454
FLH185	7454◆
FLH191	7402
FLH195	7402◆
FLH195S	7402◆
FLH201	7401
FLH205	7401◆
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FLH215	7404◆
FLH221	7480
FLH225	7480◆
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FLH371	7444
FLH375	7444◆
FLH381	7408
FLH385	7408◆
FLH391	7409
FLH395	7409◆
FLH401	74181
FLH405	74181◆
FLH411	74182
FLH415	74182◆
FLH421	74180
FLH425	74180◆
FLH431	7485
FLH435	7485◆
FLH441	74H87
FLH445	74H87◆
FLH451	74H183
FLH455	74H183◆
FLH481	7406
FLH481T	7416
FLH485	7406◆
FLH485T	7416◆
FLH491	7407
FLH491T	7417
FLH495	7407◆
FLH495T	7417◆
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FLH505	7412◆
FLH511	7423
FLH515	7423◆
FLH521	7425
FLH525	7425◆
FLH531	7437
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FLH545	7438◆
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FLH621	7427
FLH625	7427◆
FLH631	7432
FLH635	7432◆
FLH651	7428
FLH665	7428◆
FLJ101	7470
FLJ105	7470◆
FLJ111	7472
FLJ115	7472◆
FLJ121	7473
FLJ131	7476§
FLJ135	7476§
FLJ141	7474
FLJ145	7474◆
FLJ151	7475
FLJ155	7475◆
FLJ161	7490
FLJ165	7490◆
FLJ171	7492
FLJ175	7492◆
FLJ181	7493A
FLJ185	7493A◆
FLJ191	7495
FLJ195	7495◆
FLJ201	74190
FLJ205	74190◆
FLJ211	7491
FLJ215	74191◆
FLJ221	7491
FLJ225	7491◆
FLJ231	7494
FLJ235	7494◆
FLJ241	74192
FLJ245	74192◆
FLJ251	74193
FLJ255	74193◆
FLJ261	7496
FLJ265	7496◆
FLJ271	74107
FLJ275	74107◆
FLJ311	74198
FLJ315	74198◆
FLJ321	74199
FLJ325	74199◆
FLJ331	7497
FLJ341	74110
FLJ345	74110◆
FLJ351	74111§
FLJ355	74111§
FLJ381	74196
FLJ385	74196◆
FLJ391	74197
FLJ395	74197◆
FLJ401	74160
FLJ405	74160◆
FLJ411	74161
FLJ415	74161◆
FLJ421	74162
FLJ425	74162◆
FLJ431	74163
FLJ435	74163◆
FLJ441	74164
FLJ445	74164◆
FLJ451	74165
FLJ455	74165◆
FLJ461	74166
FLJ465	74166◆
FLJ531	74174
FLJ535	74174◆
FLJ541	74175
FLJ545	74175◆
FLJ561	74195
FLJ565	74195◆
FLK101	74121
FLK105	74121◆
FLK111	74122
FLK115	74122◆
FLK121	74123
FLK125	74123◆
FLL101	74141
FLL111	7445
FLL111T	74145
FLL115	7445◆
FLL115T	74145◆
FLL121	7446
FLL121T	7447
FLL121U	7446
FLL121V	7447
FLL125	7446◆
FLL125T	7447◆
FLL125U	7446◆
FLL125V	7447◆
FLQ101	7489
FLQ105	7489◆
FLQ111	7481§
FLQ115	7481§
FLQ131	74170
FLQ135	74170◆
FLR2000	3030
FLV117	3020
FLV150	3020
FLV315	3024
FLV355	3024
FLV450	3021
FLY101	7460
FLY105	7460◆
FLY111	74150
FLY115	74150◆
FLY121	74151
FLY125	74151◆
FLY131	74153
FLY135	74153◆
FLY141	74154
FLY145	74154◆
FLY151	74155
FLY155	74155◆
FLY161	74156
FLY165	74156◆
FM1	109
FM1-0001	221
FM1-0002	229
FM1-0003	123AP
FM1-0004	123AP
FM1-0005	123AP
FM1-0006	123AP
FM1-0007	123AP
FM1-0008	123AP
FM1-0009	123AP
FM1-0010	123AP
FM1-0011	107
FM1-0012	123AP
FM1-0013	123AP
FM1-0014	123AP
FM1-0015	123AP
FM1-0016	123AP
FM1-0019	297
FM1-0020	298
FM1-0230	123AP
FM1-0231	123AP
FM1-0232	123AP
FM1-0233	123AP
FM1-0234	123AP
FM1-0235	123AP
FM1-0236	123AP
FM1-0237	278
FM1-0238	278
FM1-0239	297
FM1-0240	107
FM1-0241	123A
FM1-0242	123AP
FM1-0243	177
FM1-0244	177
FM1-0247	139A
FM1-0249	116
FM1-0250	1016
FM1J2	116
FM708	108
FM709	108
FM720A	108
FM870	108
FM871	108
FM910	108
FM911	108
FM914	108
FM1613	108
FM1711	108
FM1893	154
FM2368	108
FM2369	108
FM2846	108
FM2894	106
FM3014	108
FM3958	461
FMB-23	6085#
FMB-23L	6085#
FMB-24	6085#
FMB-24H	6087#
FMB-24L	6085#
FMB-24M	6085#
FMB-26	6086#
FMB-26L	6086#
FMB-29	6086#
FMB-29L	6086#
FMB-33	6090#
FMB-33M	6090#
FMB-33S	6090#
FMB-34	6090#
FMB-34M	6090#
FMB-34S	6090#
FMB-G14L	6083#
FMB-G24H	6083#
FMC70C120B	5574
FMG-11R	6244#
FMG-11S	6240#
FMG-12R	6244#
FMG-12S	6240#
FMG-13S	6241#
FMG-14S	6241#
FMG-21R	6244#
FMG-21S	6240#
FMG-22R	6244#
FMG-22S	6240#
FMG-23S	6241#
FMG-24S	6241#
FMG-26S	6241#
FMG-31S	6246#
FMG-32S	6246#
FMG-33S	6247#
FMG-34S	6247#
FMG-36S	6247#
FMG-G26S	598#
FMG-G36S	598#
FML-11R	6244#
FML-11S	6240#
FML-12R	6244#
FML-12S	6240#
FML-13S	6241#
FML-14S	6241#
FML-21R	6244#
FML-21S	6240#
FML-22R	6244#
FML-22S	6240#
FML-23S	6241#
FML-24S	6241#
FML-31S	6246#
FML-32S	6246#
FML-33S	6247#
FML-34S	6247#
FML-G12S	597#
FML-G13S	598#
FML-G14S	598#
FML-G16S	598#
FML-G22S	599#
FMM22R	6244#
FMM22S	6240#
FMM24S	6241#
FMM26S	6241#
FMP-G12S	581#
FMPS5551M	287
FMPSA12	48
FMPSA20	123A
FMT5108	316
FMU-11R	6244#
FMU-11S	6240#
FMU-11SLF-F	6240#
FMU-12R	6244#
FMU-12S	6240#
FMU-21R	6244#
FMU-21S	6240#
FMU-22R	6244#
FMU-22S	6240#
FMU-31S	6246#
FMU-32S	6246#
FN1A4M	2415
FN1F4M	2417
FN37F20	6074
FN37F60	6076
FN37F120	6078
FN37R20	6075
FN37R60	6077
FN37R120	6079
FN2907	159
FND500	3079
FND507	3078
FND807	3080
FND6710	3074
FND6730	3076
FND6740	3075
FND6750	3077
FO5	116
FOR1A(GAK)	5401
FOR1B(GAK)	5402
FOR1D(GAK)	5404
FOR1G(GAK)	5405
FOR3B(GAK)	5402
FOR3D(GAK)	5404
FOR3G(GAK)	5405
FOR3J(GAK)	5406
FOR5B	5402
FOR5D	5404
FOR5G	5405
FOR5J	5406
FP08C	5693◆
FP08D	5695◆
FP08E	5695◆
FP08F	5697◆
FP08G	5697◆
FP09C	5679◆
FP09D	5679◆
FP09E	5679◆
FP09F	5679◆
FP09G	5679◆
FP0501	159
FP-2	HiDiv-1
FP-3	HiDiv-2
FP10C	5688
FP10D	5689
FP10E	5689
FP10F	5690
FP10G	5690
FP21C	5679
FP21D	5679
FP21E	5679
FP21F	5679
FP21G	5679
FP14005	5340
FP14010	5340
FP14020	5340
FP14040	5342
FP14060	5342
FP14080	5344
FP50201	234
FP50301	123AP
FP50801	107
FP57204	294
FP140100	5344
FPA733	159
FPC644	199
FPC828	199
FPC828A	199
FPC829	199
FPC900	199
FPC929	107
FPC945	289A
FPC1317	297
FPC1318	297
FPC1383	293
FPC1384	293
FPC1675	289A
FPE100	3028
FPE8050	293
FPE8550	294
FPI4005	5340
FPI4010	5340
FPI4020	5340
FPI4040	5342
FPI4060	5342
FPI4080	5344
FPI40100	5344
FPL92328	OBS-NLA
FPN2907	159
FPN3563	108
FPN3567	297
FPN3568	194
FPN3641	123AP
FPN5855	159
FPN5856	123AP
FPQ2222	2321
FPQ2907	2322
FPR40-1001	123A
FPR40-1003	108
FPR40-1004	102A
FPR40-1005	102A
FPR40-1006	109
FPR50-1001	123A
FPR50-1002	123A
FPR50-1003	108
FPR50-1004	108
FPR50-1005	102A
FPR50-1006	102A
FPR50-1011	116
FPR840	598
FPT-400	3036
FPT400	3036
FPT500	3032
FPT-500	3032
FPT510A	3032
FPT-570	3036
FPT570	3036
FQ01C	5683
FQ01D	5685
FQ01E	5685
FQ08C	5683◆
FQ08D	5685◆
FQ08E	5685◆
FQ08F	5687◆
FQ08G	5687◆
FQ09C	5679◆
FQ09D	5679◆
FQ09E	5679◆
FQ09F	5679◆
FQ09G	5679◆
FQ10C	5688
FQ10D	5689
FQ10E	5689
FQ10F	5690
FQ10G	5690
FQ21C	5679
FQ21D	5679
FQ21E	5679
FQ21F	5679
FQ21G	5679
FQO1C	5683
FQO1D	5685
FQO1E	5685
FR01C	5683
FR01D	5685
FR01E	5685
FR08C	5683◆
FR08D	5685◆
FR08E	5685◆
FR08F	5687◆
FR08G	5687◆
FR09C	5679◆
FR09D	5679◆
FR09E	5679◆
FR09F	5679◆
FR09G	5679◆
FR-1	116
FR1	552
FR-1H	116
FR-1H(M)	116
FR1M	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
FR-1M	116
FR1MB	116
FR-1MD	116
FR-1N	116
FR-1P	116
FR-1U	519
FR2	552
FR-2	116
FR2-02	116
FR2-02C	116
FR2-06	125
FR2-0Z	116
FR2(S1B1)	116
FR2-O2	116
FR-2P	116
FR2P	116
FR3	552
FR4	552
FR6	552
FR-10	125
FR10C	5688
FR10D	5689
FR10E	5689
FR10F	5690
FR10G	5690
FR21C	5679
FR21D	5679
FR21E	5679
FR21F	5679
FR21G	5679
FR28A	5818
FR28B	5818
FR28C	5820
FR28D	5820
FR28L	5822
FR28M	5822
FR29A	5819
FR29B	5819
FR29C	5821
FR29D	5821
FR29L	5823
FR29M	5823
FR51A	6007
FR51B	6007
FR51C	6009
FR51D	6009
FR51L	6011
FR51M	6011

Fairchild "F" branded with part nbr is often mistaken as part of the nbr. Try locating nbr elsewhere by omitting "F"
Ex: FPN3645 - Not Found
PN3645 = ECG159

To Be Replaced	ECG Replacement
FR52A	6006
FR52B	6006
FR52C	6008
FR52D	6008
FR52L	6010
FR52M	6010
FR101	587
FR101G	587
FR101GP	587
FR102	587
FR102G	587
FR102GP	587
FR103	587
FR103G	587
FR103GP	587
FR104	552
FR104G	552◆
FR104GP	552
FR105	552
FR105G	552
FR105GP	552
FR106	558
FR106G	558
FR107	558
FR107G	558
FR151	588
FR151G	588
FR152	588
FR152G	588
FR153	588
FR153G	588
FR154	580◆
FR154G	580
FR155	580
FR155G	580
FR155P	580
FR156	506
FR156G	506
FR157	506
FR157G	506
FR201	588
FR202	588
FR-202	116
FR203	588
FR204	580
FR205	580
FR206	506
FR207	506
FR251	588
FR252	588
FR253	588
FR254	576
FR255	580
FR301	588
FR301G	588
FR301GP	588
FR302	588
FR302G	588
FR302GP	588
FR303	588
FR303G	588
FR303GP	588
FR304	580
FR304G	580
FR304GP	580
FR305	580
FR305G	580
FR305GP	580
FR306	577
FR306G	577
FR307	577
FR307G	577
FR501	576
FR502	576
FR503	576
FR504	576
FR505	577
FR506	577
FR507	577
FR801	597◆
FR802	597◆
FR803	597◆
FR804	598◆
FR805	598◆
FR-1033	118
FR3001	6246#
FR3002	6246#
FR3003	6246#
FR3004	6247#
FR3005	6247#
FRB-564	175
FRH101	116
FRH-101	116
FRL2000	3030
FRL4403	3030
FRO1C	5683
FRO1D	5685
FRO1E	5685
FRP805	597
FRP810	597
FRP815	597
FRP820	597
FRP840	598
FRP850	598
FRP860	598
FRP1005	599
FRP1010	599
FRP1015	599
FRP1020	599
FRP1605	599
FRP1605CC	6240
FRP1610	599
FRP1610CC	6240
FRP1615	599
FRP1615CC	6240
FRP1620	599
FRP1620CC	6240
FRS3693	229
FS03C	5673
FS03D	5675
FS03E	5675
FS06B	5632
FS06C	5633
FS06D	5635
FS06E	5635
FS07C	5633
FS07D	5635
FS07E	5635
FS07F	5637
FS07G	5637
FS08C	5667A
FS08D	5667A
FS08E	5667A
FS08F	5667A
FS08G	5667A
FS09C	5679◆
FS09D	5679◆
FS09E	5679◆
FS09F	5679◆
FS09G	5679◆
FS10C	5688
FS10D	5689
FS10E	5689
FS10F	5690
FS10G	5690
FS12C	5633
FS12E	5635
FS19	109
FS102	5402
FS152	5404
FS202	5404
FS302	5405
FS340M	5424#
FS402	5405
FS503PA	6158
FS503RA	6158
FS503VA	6158
FS703PA	6158
FS703RA	6158
FS703VA	6158
FS1221	123A
FS1308	107
FS1331	128
FS1682	161
FS1948-008	159
FS1974	123A
FS1978	195A
FS1978(RF Power)	195A
FS1990	234
FS2003-1	130
FS2299	160
FS3266	108
FS3683	108
FS7805M	960
FS-7812	966
FS7812M	966
FS7812T	966
FS7815	968
FS7815T	968
FS7824T	972
FS7915T	969
FS24226	159
FS24954	159
FS27233	128
FS35529	108
FS36999	123A
FS326690	108
FS1948008	159
FSA1169	115
FSA1177	113A
FSA1178	113A
FSA1202	115
FSC9014C	108
FSE1001	108
FSE3001	108
FSE4002	199
FSE5002	108
FSO3C	5673
FSO3D	5675
FSO3E	5675
FSO6B	5632
FSO6C	5633
FSO6D	5635
FSO6E	5635
FSP-1	108
FSP-42	108
FSP-42-1	108
FSP-164	108
FSP-165	108
FSP-166	108
FSP-166-1	108
FSP-215	108
FSP-242-1	108
FSP-270-1	108
FSP-288-1	116
FSP-289-1	108
FSP307566	517◆
FST2	116
FST-2-1	22
FST-2-2	22
FST-2-3	22
FST-2-4	22
FST-2-5	22
FST-2-6	22
FST-2-7	22
FST-2-8	22
FST-2-9	22
FST-2-10	22
FST-2-11	22
FST-2-12	22
FST-2-13	22
FST-2-14	22
FST-2-15	22
FST3	116
FST2025	6087
FST2035	6087
FST2045	6087
FST3030	6090
FST3040	6090
FT001	128
FT002	128
FT003	128
FT004	128
FT004A	128
FT005	123A
FT006	123A
FT008	123A
FT008A	123A
FT0019H	128
FT0019M	159
FT03C	5673
FT03D	5675
FT03E	5675
FT06B	5632
FT06C	5633
FT06D	5635
FT06E	5635
FT07C	5633
FT07D	5635
FT07E	5635
FT07F	5637
FT07G	5637
FT08C	5667A
FT08D	5667A
FT08E	5667A
FT08F	5667A
FT08G	5667A
FT09C	5679◆
FT09D	5679◆
FT09E	5679◆
FT09F	5679◆
FT09G	5679◆
FT023	123A
FT024	123A
FT025	123A
FT026	123A
FT027	128
FT052	159
FT053	123A
FT0601	222
FT0650	452
FT1	177
FT-1	116
FT1(Sharp)	177
FT1M	506
FT-1M	506
FT1N	116
FT-1P	506
FT10	125
FT10C	5688
FT10D	5689
FT10E	5689
FT10F	5690
FT10G	5690
FT12C	5633
FT12E	5635
FT14A	116
FT34C	154
FT34D	154
FT34Y	312
FT45	161
FT47	198
FT48	198
FT49	198
FT50	198
FT58	154
FT118	161
FT300	124
FT317B	54
FT324	60◆
FT410	283
FT411	94
FT417B	55
FT424	61◆
FT430	53
FT431	53
FT520	171
FT527	235
FT704	464§
FT709	108
FT1315	108
FT1324B	108
FT1324C	108
FT1341	159
FT1702	106
FT1746	159
FT3055	331
FT3638	159
FT3641	154
FT3643	123A
FT3811	328◆
FT3812	328◆
FT3813	387◆
FT3853	98◆
FT3862	328◆
FT3863	387◆
FT5712M	2321
FT5713	2321
FT5713M	2321
FT5714M	2322
FT5851	97◆
FT6241	2388
FT6540	2398
FT6561	2393
FT6562	2394
FT6840	2367
FTO3C	5673
FTO3D	5675
FTO3E	5675
FTO6B	5632
FTO6C	5633
FTO6D	5635
FTO6E	5635
FTR118	229
FTR129	229
FTR158	229
FTR168	108
FU1K	506
FU-1M	552
FU1M	116
FU-1MA	552
FU-1N	552
FU1N	552
FU1NA	552
FU-1NA	552
FU1U	116
FU2	552
FU5B7709393	909
FU5B7710393	910
FU5B7740393	940§
FU5B7741393	941
FU5B7749393	949
FU5D770331X	703
FU5D770339	703
FU5E7064393	780
FU5F7711393	911
FU5F7715393	915
FU5F7747393	947
FU5R7723393	923
FU5T7725393	925
FU6A7709393	909D
FU6A7710393	910D
FU6A7711393	911D§
FU6A7723393	923D
FU6A7739393	725
FU6A7741393	941D
FU6A7742393	979§
FU8B770339X	703
FU9A7723393	923D
FU9A7741393	941D
FU9T7741393	941M
FU10	506
FU12B	5629◆
FU12C	5629◆
FU12D	5629◆
FU12E	5629◆
FU1741	289A
FUA703HCG	703
FUA-706BPC	OBS-NLA
FUA706BPC	OBS-NLA
FUA767PC	722
FUA905C	961
FUA7805C	960
FUA7805UC	960
FUA7806C	961
FUA7806UC	961
FUA7808C	964
FUA7808UC	964
FUA7812C	966
FUA7812UC	966
FUA7815C	968
FUA7815UC	968
FUA7824C	972
FUA7824UC	972
FUA7905UC	961
FUA7906C	963
FUA7906UC	963
FUA7912C	967
FUA7912UC	967
FUA7915C	969
FUA7915UC	969
FUA7924C	971
FUA7924UC	971
FU-IM	552
FuL914-28	9914
FuL923	OBS-NLA
FUN14LH026	720
FV-1	601
FV-11	601
FV-21	138A
FV21	138A
FV22	137A
FV-22	137A
FV23	109
FV-23	109
FV-24	5070A
FV214	605A
FV215	605A
FV914	108
FV918	108
FV1043	610
FV-1043	610
FV1106	610
FV1106A	610
FV2369A	108
FV2484	108
FV2747C	100
FV2894	106
FV3014	108
FV3299	108
FV3300	108
FW50	166
FW-50	166
FW100	166
FW-100	166
FW-200	167
FW200	167
FW-400	168
FW400	168
FW500	169
FW-500	169
FW-600	169
FW600	169
FW600A	116
FW-800	170
FW-1000	170
FW5198	159
FWB3001	167
FWB3002	167
FWB3003	168
FWB3004	168
FWB3005	169
FWB3006	169
FWD-300	168
FWD-500	169
FWL50	166
FWL100	166
FWL200	167
FWL300	168
FWL400	168
FWL500	169
FWL600	169
FWL700	170
FWL800	170
FWL1000	170
FWLA50	166
FWLA100	166
FWLA200	167
FWLA300	168
FWLA400	168
FWLA500	169
FWLA600	169
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G03-404-C	129
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G4N3	6158
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G5A3R	6155
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G5B3	6154
G5B3R	6155
G5C	109
G5C3	6154
G5C3R	6155
G5D3	6154
G5D3R	6155
G5E3	6154
G5E3R	6155

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G5R3	6162
G5R3R	6163
G5.1T5	135A
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G5.1T20	135A
G5.6T5	136A
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G5.6T20	136A
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G6D3	6154
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G7E	109
G7F	109
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G12	102A
G12T5	142A
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G12T20	142A
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G14	102A
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G15T20	145A
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G23-67	130
G23-76	390
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G110(Varactor)	611
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G1104M	5868
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GD-4-204GD	3021
GD-4-204RD	3024
GD-4-205GD	3020
GD-4-205GD	3024
GD-4-205RD	3025
GD-4-505RD	3007
GD4E	109
GD5E	109
GD6E	109
GD8E	109
GD11E	109
GD12	116
GD12E	109
GD13E	109
GD-25	109
GD-26	109
GD-29	109
GD-30	109
GD72E/3	109
GD72E/4	109
GD72E/5	109
GD73E/4	109
GD73E/5	109
GD74E/3	109
GD74E/4	109
GD74E/5	109
GD74HC00B	74HC00
GD74HC02B	74HC02
GD74HC04B	74HC04
GD74HC08B	74HC08
GD74HC32B	74HC32
GD74HC86B	74HC86
GD74HC125AB	74HC125
GD74HC126B	74HC126
GD74HC138B	74HC138
GD74HC139B	74HC139
GD74HC151B	74HC151
GD74HC153B	74HC153
GD74HC161AB	74HC161
GD74HC163AB	74HC163
GD74HC164B	74HC164
GD74HC165B	74HC165
GD74HC173B	74HC173
GD74HC174B	74HC174
GD74HC175B	74HC175
GD74HC240B	74HC240
GD74HC257AB	74HC257
GD74HC273B	74HC273
GD74HC373B	74HC373
GD74HC374B	74HC374
GD74HC393B	74HC393
GD74HCT00B	74HCT00
GD74HCT04B	74HCT04
GD74HCT08B	74HCT08
GD74HCT32B	74HCT32
GD74HCT138B	74HCT138
GD74HCT161AB	74HCT161
GD74HCT163AB	74HCT163
GD74HCT174B	74HCT174
GD74HCT240B	74HCT240
GD74HCT244B	74HCT244
GD74HCT273B	74HCT273
GD74HCT373B	74HCT373
GD74HCT374B	74HCT374
GD74LS00	74LS00
GD74LS04	74LS04
GD74LS21	74LS21
GD74LS32	74LS32
GD74LS74A	74LS74A
GD74LS125A	74LS125A
GD74LS138	74LS138
GD74LS157	74LS157
GD74LS158	74LS158
GD74LS175	74LS175
GD74LS240	74LS240
GD74LS244	74LS244
GD74LS245	74LS245
GD74LS373	74LS373
GD74S04	74S04
GD74S08	74S08
GD74S74	74S74
GD101	519
GD102	519
GD160B	131
GD170B	131
GD400	109
GD401	109
GD402	109
GD403	109
GD404	109
GD405	109
GD406	109
GD409	109
GD556	109
GD663	109
GD1001	109
GD3638	177
GD3638-00	109
GD4052B	4052B
GD4066B	4066B
GD5004	109
GD75188	75188
GD75189A	75189
GDG00	177
GDT703-90	15041
GDT703-150	15043
GDT703-230	15044
GDT703-350	15046
GDT703-470	15047
GDT703-600	15048
GDT708-90	15041
GDT708-150	15043
GDT708-230	15044
GDT708-350	15046
GDT708-600	15048
GDT7087-470	15047
GE-1	100
GE-1N5061	116
GE-2	102
GE-3	121
GE-4	105
GE-5	101
GE5ZD-3.3	5111A
GE5ZD-3.6	5112A
GE5ZD-3.9	5113A
GE5ZD-4.3	5114A
GE5ZD-4.7	5115A
GE5ZD-5.1	5116A
GE5ZD-5.6	5117A
GE5ZD-6.0	5118A
GE5ZD-6.2	5119A
GE5ZD-6.8	5120A
GE5ZD-7.5	5121A
GE5ZD-8.2	5122A
GE5ZD-8.7	5123A
GE5ZD-9.1	5124A
GE5ZD-10	5125A
GE5ZD-11	5126A
GE5ZD-12	5127A
GE5ZD-13	5128A
GE5ZD-14	5129A
GE5ZD-15	5130A
GE5ZD-16	5131A
GE5ZD-17	5132A
GE5ZD-18	5133A
GE5ZD-19	5134A
GE5ZD-20	5135A
GE5ZD-22	5136A
GE5ZD-24	5137A
GE5ZD-25	5138A
GE5ZD-27	5139A
GE5ZD-28	5140A
GE5ZD-30	5141A
GE5ZD-33	5142A
GE-6	101
GE-6GD1	113A
GE-7	101
GE-8	103
GE-9	160
GE-9A	160
GE-10	123A
GE-10A	199
GE-11	107
GE-12	124
GE-13MP	104MP
GE-14	130
GE-15MP	130MP
GE-16	121
GE-17	123A
GE-18	128
GE-19	130
GE-20	123A
GE20	123A
GE-21	159
GE-21A	129
GE-22	159
GE-23	175
GE-24MP	175(2)
GE-25	127
GE-26	153
GE-27	171
GE-28	186
GE-29	187
GE-30	131
GE-31MP	131MP
GE-32	198
GE-33	182§
GE-34	183§
GE-35	162
GE36	283
GE-36	283
GE-37	164
GE-38	165
GE-39	161
GE-40	154
GE-41	358A§
GE-42	358
GE42-7	116
GE-43	155
GE43	155
GE-44	131
GE44	131
GE-45	195A
GE-46	282§
GE-47	293
GE-47MP	293MP
GE-48	294
GE-49	226
GE-50	160
GE-51	160
GE-52	102A
GE-53	158
GE54	103A + 158(CP)
GE55	182§
GE56	183§
GE57	184
GE58	185
GE59	103A
GE-60	161
GE-61	108
GE-62	199
GE-63	192§
GE-64	172A
GE-65	234
GE-66	152
GE67	193
GE-67	193
GE-69	376
GE-72	162
GE-73	163A
GE-74	180
GE-75	181
GE-76	179
GE-81	123A
GE81	123A
GE82	159
GE-82	159
GE-83	188
GE-84	189
GE-85	199
GE-86	316
GE86	316
GE-88	192A§
GE-89	193
GE90	614
GE-90	614
GE129	107
GE-130	116
GE-208	160
GE-210	123A
GE-211	123A
GE-212	199
GE-213	316
GE-214	316
GE215	235
GE216	236
GE-217	188
GE-218	189
GE-219	195A
GE-220	287
GE-221	288
GE-222	287
GE-223	288
GE-224	191
GE-225	240
GE-232	157
GE-235	287
GE-236	299§
GE-237	165
GE-238	165
GE-239	179
GE-240	213
GE-241	196
GE-243	128
GE-244	129
GE-245	160
GE-246	175
GE-247	186A
GE-248	187A
GE-249	191
GE-250	197
GE-251	198
GE-252	210
GE-253	211
GE-255	390
GE-256	225
GE-258	232
GE-259	238
GE-260	277§
GE-261	278
GE-262	280
GE-262MP	280MP
GE-263	281
GE-264	282§
GE-265	284
GE-265MP	284MP

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
GE-266	285
GE-267	286
GE-268	289A
GE-269	290A
GE-270	295
GE-271	297
GE-271MP	297MP
GE-272	298
GE-273	300
GE-273MP	300MP
GE-274	307§
GE-275	302
GE-276	306
GE-277	311
GE-278	313
GE-279	315
GE-280	316
GE-281	317
GE-282	317
GE-284	320
GE-288	320
GE-296	320
GE296X	172A
GE-300	177
GE-305	173BP§
GE-320	195A
GE-322	235
GE-325	196
GE-329	235
GE-330	326
GE-332	236
GE-334	294
GE-337	236
GE-343	243
GE-344	244
GE-345	261
GE-349	263
GE-350	247
GE-351	245
GE-352	246
GE-353	262
GE-354	333
GE-355	251
GE414	177
GE-504	116
GE-504A	116
GE505	125
GE-509	125
GE-509A	125
GE-510	156
GE-511	506
GE-512	156
GE-513	513§
GE-514	519
GE-516	522
GE-517	522
GE-518	500A
GE-519	532
GE519	532
GE-520	501B
GE521	526A
GE-521	526A
GE-522	536A
GE-522A	536A
GE-523	522
GE-524	531
GE-525	532
GE-526	533
GE-527	500A
GE-528	523/3306
GE-529	529
GE-531	125
GE-534	534
GE-535	535
GE-536	537
GE-537	538
GE-538	539
GE-539	521
GE-540	530
GE-700	5351A
GE-701	310
GE-702	308
GE-703	310
GE-720	1024
GE-721	1027
GE-722	1025
GE-723	1090§
GE-724	1028
GE-725	1212§
GE1101	588
GE1102	588
GE1103	588
GE1104	588
GE3009	3047
GE3010	3047
GE3011	3047
GE3012	3047◆
GE3020	3048
GE3021	3048
GE3022	3048
GE3023	3048◆
GE-3265	123A
GE3390	123AP
GE3391	123AP
GE3638	109
GE-4000	4000
GE-4001	4001B
GE-4002	4002B
GE-4011	4011B
GE-4012	4012B
GE-4013	4013B
GE-4015	4015B
GE-4016	4016B
GE-4017	4017B
GE-4019	4019B
GE-4020	4020B
GE-4021	4021B
GE-4023	4023B
GE-4024	4024B
GE-4025	4025B
GE-4027	4027B
GE-4030	4030B
GE-4040	4040B
GE-4042	4042B
GE-4049	4049
GE-4050	4050B
GE-4051	4051B
GE-4052	4052B
GE-4055	4055B
GE-4518	4518B
GE-5004	5838
GE-5005	5839
GE-5008	5842
GE-5009	5843
GE-5013	5849
GE-5016	5854
GE-5017	5855
GE-5020	5858
GE-5021	5859
GE-5024	5862
GE-5025	5863
GE-5028	5868
GE-5029	5869
GE-5032	5874
GE-5033	5875
GE-5036	5878
GE-5037	5879
GE-5040	5882
GE-5041	5883
GE-5044	5890
GE-5045	5891
GE-5048	5944
GE5060	98
GE5061	98
GE5062	98
GE-5064	5916
GE-5065	5917
GE-5068	5920
GE-5073	5925
GE-5076	5932
GE-5077	5933
GE-5096	5986
GE-5097	5987
GE-5100	5990
GE-5101	5991
GE-5104	5994
GE-5105	5995
GE-5108	6002
GE-5109	6003
GE-5128	6054
GE-5129	6055
GE-5132	6060
GE-5133	6061
GE-5136	6064
GE-5137	6065
GE-5140	6072
GE-5141	6073
GE6060	98
GE6061	98
GE6062	98
GE6063	177
GE6251	98
GE6252	98
GE6253	98
GE6366	116
GE-7400	7400
GE-7402	7402
GE-7404	7404
GE-7406	7406
GE-7408	7408
GE-7410	7410
GE-7413	7413
GE-7420	7420
GE-7427	7427
GE-7432	7432
GE-7441	7441
GE-7447	7447
GE-7448	7448
GE-7451	7451
GE-7473	7473
GE-7474	7474
GE-7475	7475
GE-7476	7476§
GE-7485	7485
GE-7486	7486
GE-7490	7490
GE-7492	7492
GE10000	98
GE10001	98
GE10002	98
GE10003	98
GE10004	98
GE10005	98
GE10006	98
GE10007	98
GE10008	98
GE10009	98
GE10015	99
GE10016	99
GE10022	99
GE10023	99
GE13070P	2311
GE13071P	2311
GE-74123	74123
GE-74145	74145
GE-74150	74150
GE-74154	74154
GE-74192	74192
GE-74193	74193
GE-74196	74196
GEA15A	5812
GEA114B	580
GEB100	5312
GEB101	5312
GEB102	5313
GEB104	5314
GEB106	5315
GEB108	5316
GEBR-206	5313
GEBR-425	5324
GEBR-600	169
GEBR-1000	170
GEC45001	5598
GE-CR1	118
GECR-1	118
GE-CR2	119
GECR-2	119
GE-CR3	120
GECR-3	120
GECR-4	502
GECR-5	503
GECR-6	504
GECR-7	505
GED05B850	109
GE-FET-1	312
GE-FET1	312
GE-FET-2	312
GE-FET-4	222
GE-FET-6	222
GEFR-8	HiDiv-1
GE-FR8	HiDiv-1
GE-FR9	HiDiv-2
GEFR-9	HiDiv-2
GEFR-10	HiDiv-3
GEIC-2	712
GE-IC2	712
GE-IC3	705A
GEIC-3	705A
GE-IC4	714
GEIC-4	714
GE-IC5	713
GEIC-5	713
GEIC-6	715
GE-IC6	715
GE-IC7	720
GEIC-7	720
GEIC-8	718
GE-IC8	718
GE-IC9	722
GEIC-9	722
GE-IC10	708
GEIC-10	708
GEIC-11	709
GE-IC11	709
GE-IC12	703
GEIC-13	731
GEIC-14	721
GEIC-15	723
GEIC-16	737§
GEIC-17	736
GEIC-18	790
GEIC-19	725
GEIC-20	780
GEIC-21	783§
GEIC-22	728
GEIC-23	729
GEIC-24	744
GEIC-25	949
GEIC-26	748A
GEIC-27	804
GEIC-28	719
GEIC-29	738
GEIC-30	739
GEIC-31	740A
GEIC-32	743
GEIC-33	791
GEIC-34	799
GEIC-35	801
GEIC-36	1004
GEIC-37	1010
GEIC-38	1006
GEIC-39	1121
GEIC-40	1122
GEIC-41	1080§
GEIC-42	1005
GEIC-43	1003
GEIC-44	1053
GEIC-45	1054
GEIC-46	1057
GEIC-47	1055
GEIC-48	1056
GEIC-49	1058
GEIC-50	1060
GEIC-51	1061
GEIC-52	1062
GEIC-53	1063§
GEIC-54	1064
GEIC-55	1065
GEIC-56	1066
GEIC-57	1067
GEIC-58	1068
GEIC-59	1072
GEIC-60	1074
GEIC-61	1181
GEIC-62	1137
GEIC-63	1073
GEIC-64	1069
GEIC-65	1070
GEIC-66	1168
GEIC-67	1071
GEIC-68	1163
GEIC-69	1002
GEIC-70	1227
GEIC-71	1158§
GEIC-72	1159
GEIC-73	1094
GEIC-74	1215
GEIC-75	1179
GEIC-76	1217
GEIC-77	1009
GEIC-79	1011§
GEIC-80	1180
GEIC-81	726
GEIC-82	1188
GEIC-83	726
GEIC-84	704
GEIC-86	724
GEIC-87	1108
GEIC-88	1061
GEIC-89	710
GEIC-90	1106
GEIC-91	1104
GEIC-92	1100
GEIC-93	1102
GEIC-94	1103
GEIC-95	1101
GEIC-96	1004
GEIC-97	749
GEIC97	1186
GEIC-98	1080§
GEIC-99	1109
GEIC-101	1105§
GEIC-102	1022§
GEIC-103	1087
GEIC-104	1085
GEIC-105	1128
GEIC-106	1134§
GEIC-107	1133
GEIC-109	1131§
GEIC-110	1132§
GEIC-111	1130
GEIC114	1236
GEIC-115	748A
GEIC-116	1047
GEIC-118	1046
GEIC-119	1124
GEIC-120	1089*
GEIC-121	1049
GEIC-122	1048
GEIC-123	1050
GEIC-124	1077
GEIC-125	1076
GEIC-126	1091*
GEIC-127	1084
GEIC-128	1142
GEIC-130	1092
GEIC-131	1051
GEIC-132	1079
GEIC-133	1050
GEIC-135	1052
GEIC-136	1078§
GEIC-137	1184
GEIC-138	1140
GEIC-139	1185
GEIC-140	1082
GEIC-142	1086*
GEIC-143	1061
GEIC-147	712
GEIC148	712
GEIC-148	712
GEIC-149	1004
GEIC-150	1213§
GEIC-153	1229
GEIC154	1237§
GEIC-155	801
GEIC-156	1122
GEIC-157	1094
GEIC-158	1121
GEIC-159	1039
GEIC-160	1041
GEIC-162	1029
GEIC-163	1030§
GEIC-164	1032
GEIC-165	1033
GEIC-166	1034
GEIC-167	1035
GEIC-168	1036
GEIC-169	1043
GEIC-170	1037
GEIC-171	1087
GEIC-172	912
GEIC-173	1171
GEIC-175	1186
GEIC-176	1187
GEIC-178	1205
GEIC-179	1155
GEIC-180	901§
GEIC-182	1153§
GEIC-183	748A
GEIC-184	1062
GEIC-185	909
GEIC-190	960
GEIC-191	964
GEIC-194	7401
GEIC-196	1160
GEIC-197	1160
GEIC-199	1172
GEIC-201	1093
GEIC-203	1230
GEIC-204	1225
GEIC-205	704
GEIC-207	711
GEIC-208	716§
GEIC-209	717
GEIC-210	727
GEIC-212	735
GEIC-213	742
GEIC-214	743
GEIC-215	744
GEIC-216	745§
GEIC-217	746
GEIC-218	747
GEIC-219	750§
GEIC-220	778A
GEIC-221	779A
GEIC-222	780
GEIC-223	781§
GEIC-224	782§
GEIC225	783§
GEIC-225	783§
GEIC-226	785§
GEIC-227	786§
GEIC-228	787
GEIC-229	788
GEIC-230	790
GEIC-231	791
GEIC-232	795§
GEIC-233	797
GEIC-234	798
GEIC-235	802
GEIC-236	784
GEIC-237	803
GEIC-238	805
GEIC-239	806
GEIC-240	807
GEIC-241	810A
GEIC-242	812
GEIC-243	814A§
GEIC-244	815
GEIC-245	900§
GEIC-246	906
GEIC-247	907
GEIC-248	908
GEIC-249	909
GEIC-250	909D
GEIC-251	910
GEIC-252	910D
GEIC-253	911
GEIC-254	911D§
GEIC-255	913§
GEIC-256	914
GEIC-257	916
GEIC-258	917
GEIC-259	923
GEIC-260	923D
GEIC-261	925
GEIC-262	940§
GEIC-263	941
GEIC-264	941D
GEIC-265	941M
GEIC-266	946§
GEIC-267	947
GEIC-268	947
GEIC-269	955M
GEIC-271	1008§
GEIC-272	1023
GEIC-273	1031
GEIC-274	1038
GEIC-275	1083
GEIC-276	1107
GEIC-277	OBS-NLA
GEIC-278	1115
GEIC-279	1116
GEIC-280	1117
GEIC-281	1123
GEIC-282	1125
GEIC-283	OBS-NLA
GEIC-284	1136
GEIC-285	1149
GEIC-286	1150
GEIC-287	1154
GEIC-288	903
GEIC-289	904
GEIC-290	905
GEIC-295	1223
GEIC-296	1224
GEIC-300	1161
GEIC-301	1164
GEIC-302	1173§
GEIC-303	1182
GEIC-311	1098
GEIC-312	1096
GEIC-313	1126
GEL234	717
GEL234F1	717
GEL234F2	717
GEL239F2	721
GEL277	804
GEL2111	708
GEL2111AL1	708
GEL2111F1	708
GEL2113	709
GEL2113AL1	709
GEL2113F1	709
GEL2114	713
GEL3072F1	790
GE-M100	160
GEMR-1	5874
GEMR-2	5990
GEMR-3	5545
GEMR-4	5494
GEMR-5	5455
GE-MR6	186
GEMR-6	186
GEP2955	332
GEP3055	331
GEPS2001	3040
GER4001	116
GER4002	116
GER4003	116
GER4004	116
GER4005	116
GER4006	125
GER4007	125
GER-A	102A
GER-A-D	160
GES92	123AP
GES93	159
GES97	123AP
GES98	194
GES813	159
GES929	123AP
GES930	123AP
GES2218	123AP
GES2218A	123AP
GES2219	123AP
GES2219A	123AP
GES2221	123AP
GES2221A	123AP
GES2222	123AP
GES2222A	123AP
GES2483	123AP
GES2711	319P
GES2712	319P
GES2904	159
GES2904A	159
GES2905	159
GES2905A	159
GES2906	159
GES2907	159
GES2923	123AP
GES2924	123AP
GES2925	123AP
GES2926	123AP
GES3053	123AP
GES3250	159
GES3250A	159
GES3251	159
GES3251A	159
GES3392	123AP
GES3393	123AP
GES3394	123AP
GES3395	123AP
GES3396	123AP
GES3397	123AP
GES3398	123AP
GES3402	123AP
GES3403	123AP
GES3404	123AP
GES3405	123AP
GES3414	123AP
GES3415	123AP
GES3416	123AP
GES3417	123AP
GES3494	159
GES3495	159
GES3496	159
GES3497	159
GES3499	128P
GES3565	123AP
GES3566	123AP
GES3567	123AP
GES3568	123AP
GES3569	123AP
GES3634	288
GES3635	288
GES3636	288
GES3637	288
GES3641	123AP
GES3642	123AP
GES3643	123AP
GES3721	123AP
GES3742	287
GES3743	288
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GS9032	159
GS9032H	159
GS9032-I	159
GS9032-J	159
GS9033	123AP
GS9033H	123AP
GS9033-I	123AP
GS9033-J	123AP
GS9034	123AP
GS9034-I	123AP
GS9034-J	123AP
GS9034-K	123AP
GS9036	69
GS9036-E	69
GS9036-F	69
GS9036-G	69
GSA15	125
GSA15B	125
GSA15C	125
GSA15E	125
GSA15G	125
GSA30	156
GSA30B	156
GSA30C	156
GSA30E	156
GSA30G	156
GSA30J	156
GSB10	125
GSB10B	125
GSB10C	125
GSB10E	125
GSB10G	125
GSB10J	125
GSB10L	125
GSDU7530	2319
GSDU7535	2319
GSDU7540	2319
GSK9014	85
GSM51	116
GSM52	116
GSM53	116
GSM54	116
GSM482	116
GSM483	116
GSR1	125
GSTU4030	385
GSTU4035	385
GSTU6030	385
GSTU6035	385
GSTU6040	386
GSTU8030	386
GSTU8035	386
GSTU8040	386
GSTU10030	386
GSTU10035	386
GSTU10040	386
GSTU15018	386
GSTU15020	386
GT11	100
GT12	100
GT13	100
GT14	102A
GT14H	102A
GT15T5	145A
GT18	102A
GT20	102
GT20H	102A
GT20R	102A
GT31	102A
GT-32	6407
GT32	102A
GT33	102A
GT34	102
GT34S	100
GT35	103A
GT-35	6408
GT-40	6411
GT40	102A
GT41	102A
GT42	102A
GT43	102A
GT44	102A
GT45	102A
GT46	102A
GT47	102A
GT-60	6412
GT66	126A
GT74	102
GT75	102
GT81	102
GT81HS	102A
GT81R	102A
GT82	102
GT83	100
GT87	100
GT88	100
GT109	102A
GT109R	102A
GT122	102
GT123	102
GT132	102A
GT153	100
GT167	101
GT222	102
GT229	101
GT269	100
GT328A	160
GT328B	160
GT336	103A
GT346A	160
GT346B	160
GT364	103
GT365	103
GT366	103
GT751	102A
GT758	102
GT759	102
GT759R	102A
GT760	100
GT760R	102A
GT761	100
GT761R	100
GT762	100
GT762R	100
GT763	102A
GT766	100
GT766A	100
GT792	101
GT832	100
GT903	103A
GT904	101
GT905	101
GT905R	101
GT947	101
GT948	101
GT949	103
GT949R	101
GT1200	101
GT1223	102A
GT1604	100
GT1605	100
GT1606	100
GT1607	100
GT1608	101
GT1609	101
GT1644	159
GT1658	103A
GT1665	102A
GT2693	102
GT2694	100
GT2695	102
GT2696	102
GT2766	101
GT2883	102
GT2884	101
GT2885	102
GT2886	101
GT2887	102
GT2888	101
GT2906	101
GT3150	101
GT5116	126A
GT5117	126A
GT5148	126A
GT5149	126A
GT5153	100
GT8000	98
GT8001	98
GT8002	98
GT8003	97
GT8004	97
GT8005	97
GT8100	248
GT8101	248
GT8102	248
GT8103	248
GTE02-01	5542
GTE02-02	5543
GTE02-03	5545
GTE02-04	5545
GTE02-06	5547
GTE1	100
GTE2	100
GTJ33141	126A
GTJ33229	126A
GTJ33230	126A
GTJ33231	102A
GTJ33232	102A
GTV	100
GTX2001	121
GU-1	552
GU-1A	552
GU-1B	506
GU-1E	506
GU-1F	5516
GU-1Z	552
GU-3	552
GU3A	552
GU-3A	552
GU-3B	558
GU-3C	558
GU-3SY	580
GU-3SZ	580
GU-3Z	552
GV5760	177
GV6063	123A
GVL20226	519
GVL20265	519
GVL20327-1	519

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
GVL 20077	123A
GZ062Y	5013T1
GZ0885	5016A
GZ3.6	5173A
GZ3.9	5174A
GZ4.3	5175A
GZ4.7	5176A
GZ5.1	5177A
GZ5.6	136A
GZ6.2	137A
GZ6.8	5071A
GZ7.5	138A
GZ8.2	5122A
GZ9.1	5185A
GZ27	146A
GZ33A	5203A
GZA056U	5011T1
GZA056Z	5011T1
GZA2.4	5000A
GZA2.4X	5000A
GZA2.7	5002A
GZA2.7X	5002A
GZA3.0	5004A
GZA3.3	5005A
GZA3.3X	5005A
GZA3.3Y	5005A
GZA3.3-Y-BT	5005A
GZA3.6	5006A
GZA3.9	5007A
GZA3.9Y	5007A
GZA4.3	5008A
GZA4.3Y	5008A
GZA4.3-Y-BT	5008A
GZA4.7	5009A
GZA4.7X	5009A
GZA4.7-X-BT	5009A
GZA4.7Y	5009A
GZA5.1	5010A
GZA5.1-BT	5010T1
GZA5.1L	5010T1
GZA5.1U	5010T1
GZA5.1X	5010T1
GZA5.1-X-BT	5010T1
GZA5.1Y	5010T1
GZA5.1-Y-BT	5010T1
GZA5.1-Y-BT-T	5010T1
GZA5.1Z	5010T1
GZA5.6	5011A
GZA5.6L	5011T1
GZA5.6U	5011T1
GZA5.6Y	5011T1
GZA5.6-Y-BT	5011T1
GZA6.2	5012A
GZA6.2BT	5013A
GZA6.2L	5013A
GZA6.2U	5013A
GZA6.2XYZ	5013A
GZA6.2Y	5013T1
GZA6.2Y-BT	5013T1
GZA6.2Z	5013T1
GZA6.2-Z-BT	5013T1
GZA6.8	5014A
GZA6.8L	5014A
GZA6.8U	5014A
GZA6.8Y	5014A
GZA6.8-Y-BT	5014A
GZA7.5	5015A
GZA7.5L	5015A
GZA7.5U	5015A
GZA7.5V	5015A
GZA7.5X	5015A
GZA7.5Y	5015A
GZA8.2	5016A
GZA8.2L	5016A
GZA8.2U	5016A
GZA9.1	5017A
GZA9.1L	5017A
GZA9.1U	5017A
GZA9.1Y	5018A
GZA9.1-Y-BT	5018A
GZA10	5019A
GZA10L	5019T1
GZA10U	5019T1
GZA10X	5019T1◆
GZA10-X-BT	5019T1◆
GZA10Y	5019T1
GZA10Z	5019T1
GZA11	5020A
GZA11L	5020A
GZA11U	5020A
GZA11Y	5020A
GZA11-Y-BT	5020A
GZA11YBT	5020A
GZA12	5021A
GZA12L	5021T1
GZA-12L	5021A
GZA12U	5021T1
GZA12X	5021T1
GZA12Y	5021T1
GZA12YBT	5021T1
GZA13	5022A
GZA13-A-BT	5022A
GZA13L	5022A
GZA13U	5022A
GZA13X	5022A
GZA13-X-BT	5022A
GZA13Y	5022A
GZA13-Y-BT	5022A
GZA13Z	5022A
GZA15	5024A
GZA15L	5024A
GZA15U	5024A
GZA16	5025A
GZA16L	5025A
GZA16U	5025A
GZA16Y	5025A
GZA18	5027A
GZA18L	5027A
GZA18U	5027A
GZA18Y	5027A
GZA18Y-BT	5027A
GZA20	5029A
GZA20L	5029A
GZA20U	5029A
GZA20X	5028A
GZA20-X-BT	5028A
GZA22	5030A
GZA22L	5030A
GZA22U	5030A
GZA24	5031A
GZA24L	5031A
GZA24U	5031A
GZA27	5033A
GZA27X	5033A
GZA27Y	5033A
GZA27YBT	5033A
GZA27-Y-BT	5033A
GZA-27.0Z	5033A
GZA30	5035A
GZA30Y	5035A
GZA30-Y-BT	5035A
GZA33	5036A
GZA36	5037A
GZA39	5038A
GZA43	5039A
GZA47	5040A
GZA51	5041A
GZB2.7	5063A
GZB2.7B	5063A
GZB3.0	5065A
GZB3.0B	5065A
GZB3.3	5066A
GZB3.3B	5066A
GZB3.6	134A
GZB3.6B	134A
GZB3.9	5067A
GZB3.9B	5067A
GZB4.3	5068A
GZB4.7	5069A
GZB5.1	135A
GZB5.1B	135A
GZB5.6	136A
GZB5.6B	136A
GZB6.2	137A
GZB6.2B	137A
GZB6.8	5071A
GZB6.8B	5071A
GZB7.5	138A
GZB7.5B	138A
GZB8.2	5072A
GZB8.2B	5072A
GZB9.1	139A
GZB9.1B	139A
GZB10	140A
GZB10B	140A
GZB11	5074A
GZB11B	5074A
GZB12	142A
GZB12B	142A
GZB13	143A
GZB15	145A
GZB16	5075A
GZB18	5077A
GZB18B	5077A
GZB20	5079A
GZB20B	5079A
GZB22	5080A
GZB22B	5080A
GZB24	5081A
GZB24B	5081A
GZB27	146A
GZB27B	146A
GZB30	5084A
GZB30B	5084A
GZB33	147A
GZB33B	147A
GZB36	5085A
GZB36B	5085A
GZS2.4	5000A
GZS2.7	5002A
GZS3.0	5004A
GZS3.3	5005A
GZS3.6	5006A
GZS3.9	5007A
GZS4.3	5008A
GZS4.7	5009A
GZS5.1	5010A
GZS5.1Y	5010T1
GZS5.6	5011A
GZS5.6Y	5011T1
GZS6.2	5013T1
GZS6.2Y	5013T1
GZS6.2Z	5013T1
GZS10	5019T1
GZS10Z	5019T1
GZS12	5021T1
GZS12Z	5021T1
GZS13	5022A
H089	142A
H091	109
H1F1	125
H1V	108
H1Z	552
H5A3	6354
H5A3R	6355
H5B3	6354
H5B3R	6355
H5C3	6354
H5C3R	6355
H5D3	6354
H5D3R	6355
H5E3	6354
H5E3R	6355
H5F3	6354
H5F3R	6355
H5G3	6354
H5G3R	6355
H5H3	6356
H5K3	6356
H5M3	6358
H5M3R	6359
H5N3	6358
H5N3R	6359
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H6B3	6354
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H6D3	6354
H6D3R	6355
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H6F3	6354
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H6G3	6354
H6G3R	6355
H6H3	6356
H6H3R	6357
H6K3	6356
H6K3R	6357
H6M3	6358
H6M3R	6359
H6N3	6358
H6P3	6358
H6P3R	6359
H6R3	6362
H6R3R	6363
H10	102A
H11A1	3041
H11A2	3041
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H11A520	3041
H11A550	3041
H11A5100	3041
H11AA1	3089
H11AA1-11	3089
H11AA2	3089
H11AX	3045
H11B1	3084
H11B2	3084
H11B3	3084
H11B7	3084
H11B255	3083
H11B255R	3083
H11BX522	3084
H11C1	3091
H11C2	3091
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H11C6	3091
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H11D1-11	3088
H11D2	3088
H11D3	3088
H11D4	3088
H11F1	3085
H11F2	3085
H11F3	3085
H11J1	3047
H11J2	3047
H11J3	3047
H11J4	3047
H11J5	3047
H11L1	3090
H11L2	3090
H11L2-11	3090
H12	105
H12/12/SCR	5702
H12A	105
H13A1	3100◆
H13A2	3100◆
H13B2	3101
H15A1	3081
H15A2	3081
H15A9	3081
H15B1	3082
H15B2	3082
H15B9	3082
H20A1	3102◆
H20A2	3102◆
H20B1	3103◆
H20B2	3103◆
H21A1	3100
H21A2	3100
H21A3	3100
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H21B2	3101
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H21B6A1	3101
H21F1	3085
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H22A2	3102
H22A3	3102
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H22A5	3102
H22A6	3102
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H24A1	3081
H24A2	3081
H24B1	3082
H24B2	3082
H50	116
H100	116
H102	123A
H102D1	9672§
H102D2	9672§
H102D6	9672§
H103A	127
H103D1	9671§
H103D2	9671§
H103D6	9671§
H103HX	5640
H103SC	5650
H103SD	5650
H103SG	5650
H103SH	5640
H103SS	5650
H104D1	9660
H104D2	9660◆
H104D6	9660◆
H105D1	9673
H105D2	9673◆
H105D6	9673◆
H109	156
H112D1	9681
H112D2	9681◆
H112D6	9681◆
H113HX	5640
H113SC	5650
H113SD	5650
H113SG	5650
H113SH	5640
H113SS	5650
H115D1	9678§
H115D2	9678§
H115D6	9678§
H118D1	9680§
H118D2	9680§
H118D6	9680§
H119D1	9677§
H119D2	9677§
H119D6	9677§
H122D1	9668§
H122D2	9668§
H122D6	9668§
H123HX	5641
H123SC	5651
H123SD	5651
H123SG	5651
H123SH	5641
H123SS	5651
H124D1	9661
H124D2	9661◆
H124D6	9661◆
H133HX	5642
H133SC	5652
H133SD	5652
H133SG	5652
H133SH	5642
H133SS	5652
H153HX	5643
H153SH	5643
H153SS	5653
H163HX	5643
H163SH	5643
H163SS	5653
H200	116
H202B1	9672§
H203B1	9671§
H204B1	9660
H205B1	9673
H212B1	9681
H215B1	9678§
H218B1	9680§
H219B1	9677§
H221(GE)	783§
H222B1	9668§
H224B1	9661
H254E4(Zenith)	116
H284D4(Zenith)	116
H300	116
H312K4(Zenith)	558
H315F4(Zenith)	116
H316	109
H316-1	548
H386-9	505
H386C1D2Y	505
H386C-12	505
H400	116
H402	548◆
H402-7	548◆
H442	108
H445-2	513§
H484	513§
H496	518
H500	116
H556	548
H569	548◆
H585	116
H598	503
H598-10	503
H600	116
H614-9	517◆
H615	113A
H616	116
H617	116
H618	116
H619	116
H620	116
H621	125
H623	177
H625	116
H626	116
H685	548
H685-1	548
H781	116
H783	116
H800	125
H815	506
H816	504
H843-2	517◆
H844-4	517◆
H844-5	517◆
H844-6	517◆
H844-10	517◆
H844-11	517◆
H844-13	517◆
H852-4	548
H-881	125
H889	177
H890	507
H891	116(3)
H909	177
H931	123A
H932	154
H933	123A
H934	123A
H1000	125
H1567	123A
H2612-8	517
H2612-10	517
H2612-12	517
H7126-3	116
H7337	153
H7618	188
H8287	110MP
H8287-4	110MP
H8513	177
H9423	123A
H9618	123A
H9623	123A
H9625	108
H9696	123A
H75450A	75450B
HA00052	100
HA00053	100
HA-00102	100
HA-00495	159
HA-00496	185
HA-00509	290A
HA00562	290A
HA-00562	290A
HA-00564	234
HA-00610	159
HA-00634	187
HA-00636	187
HA-00643	193
HA-00699	153
HA-00733	294
HA-00844	234
HA-0733	294
HA1-4156-5	948
HA1-4741-5	948
HA1-5064-5	859
HA1-5064A-5	859
HA1-5084-5	859
HA1-5084A-5	859
HA3-4156-5	948
HA3-4741-5	948
HA3-5064-5	859
HA3-5064A-5	859
HA3-5084-5	859
HA3-5084A-5	859
HA7-5062-5	858M
HA7-5062A-5	858M
HA7-5082-5	858M
HA7-5082A-5	858M
HA12	160
HA-12	100
HA-15	126A
HA15	100
HA30	160
HA-49	126A
HA49	100
HA50	116
HA52	126A
HA53	126A
HA54	102A
HA56	102A
HA70	160
HA74LS05P	74LS05
HA100	116
HA-101	126A
HA102	126A
HA103	126A
HA104	126A
HA178M05	960
HA178M06	962
HA178M08	964
HA178M12	966
HA178M15	968
HA178M18	958
HA178M24	972
HA200	116
HA201	126A
HA202	100
HA-234	160
HA235	126A
HA235A	160
HA240	160
HA266	160
HA267	160
HA-268	160
HA-269	126A
HA300	116
HA330	126A
HA342	126A
HA-350	126A
HA-350A	126A
HA-353	126A
HA-353C	126A
HA-354	126A
HA-354B	126A
HA400	116
HA471	126A
HA500	116
HA505	153
HA525	160
HA600	116
HA800	125
HA1000	125
HA1040	160
HA1101	726
HA1102	726
HA1103	704
HA1104	704
HA1108	1061
HA1110	901§
HA1115	720
HA1115W	720
HA1117	1122
HA1118	1094
HA1119	1121
HA1120	720◆
HA1124	712
HA1124D	712
HA1124DS	712
HA1124S	712
HA1125	712
HA1125A	712
HA1126	1004
HA1126D	1004
HA1126-D	1004
HA1126DW	1004
HA1126W	1004
HA1127	912
HA1128	712
HA1128E	712
HA1133	730
HA1137	788
HA1137P	788
HA1137W	788
HA1138	1494§
HA1138PU	1494§
HA1139	1080§
HA1139A	1080§
HA1140	1186
HA1141	712
HA1144	1213§
HA1146	1004
HA1148	1229
HA1151	1237§
HA1152	1080§
HA1154	712
HA1156	801
HA1156-6C	801
HA1156-6F	801
HA1156-6H2	801
HA1156-6M2	801
HA1156W	801
HA1156WP	801
HA1157	1122
HA1158	1094
HA1158-0	1094
HA1158-O	1094
HA1159	1121
HA1177	1196
HA1196	1484
HA1196U	1484
HA1197	1214
HA1199	1290
HA1199P	1290
HA1199PWE	1290
HA1201	1039
HA1202	1041
HA-1202	1041
HA1203	1042
HA1211	1040
HA1220A	610
HA1224A	611
HA1226A	612
HA1234A	613
HA1238A	614
HA1301	903
HA1302	784
HA1304	941
HA1306	1029
HA1306P	1029
HA1306P-U	1029
HA1306U	1029
HA1306W	1029
HA1306WU	1029
HA1308	1030§
HA1309	1030§
HA1310	1031
HA1311	1032
HA1311W	1032
HA1312	1033
HA1312W	1033
HA1313	1034
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HD1-4512-9	4512B
HD1-4515-9	4515B
HD1-40175-9	40175B
HD10-001-01	109
HD20-003-01	116
HD74C00	74C00
HD74C02	74C02
HD74C04	74C04
HD74C08	74C08
HD74C10	74C10
HD74C14	74C14
HD74C20	74C20
HD74C30	74C30
HD74C30P	74C30
HD74C32	74C32
HD74C32P	74C32
HD74C42	74C42
HD74C48	74C48
HD74C73	74C73
HD74C74	74C74
HD74C76	74C76
HD74C85	74C85
HD74C86	4070B
HD74C95	74C95
HD74C95P	74C95
HD74C107	74C107
HD74C107P	74C107
HD74C151	74C151
HD74C154	74C154
HD74C154N	74C154
HD74C157	74C157
HD74C160	40160B
HD74C161	74C161
HD74C162	40162B
HD74C173	74C173
HD74C174	74C174
HD74C175	74C175
HD74C192	74C192
HD74C193	74C193
HD74C195	40195B
HD74C221	74C221
HD74C240P	74C240
HD74C244P	74C244
HD74C901	74C901
HD74C901P	74C901
HD74C902	74C902
HD74C902P	74C902
HD74C903	74C903
HD74C903P	74C903
HD74C904	74C904
HD74C904P	74C904
HD74HC00P	74HC00
HD74HC02P	74HC02
HD74HC04P	74HC04
HD74HC08P	74HC08
HD74HC10P	74HC10
HD74HC11P	74HC11
HD74HC14P	74HC14
HD74HC32P	74HC32
HD74HC86P	74HC86
HD74HC109P	74HC109
HD74HC123P	74HC123
HD74HC125P	74HC125
HD74HC126P	74HC126
HD74HC132P	74HC132
HD74HC138P	74HC138
HD74HC139P	74HC139
HD74HC151P	74HC151
HD74HC153P	74HC153
HD74HC154P	74HC154
HD74HC161P	74HC161
HD74HC163P	74HC163
HD74HC164P	74HC164
HD74HC165P	74HC165
HD74HC173P	74HC173
HD74HC174P	74HC174
HD74HC175P	74HC175
HD74HC240P	74HC240
HD74HC244P	74HC244
HD74HC257P	74HC257
HD74HC259P	74HC259
HD74HC273P	74HC273
HD74HC299P	74HC299
HD74HC373P	74HC373
HD74HC374P	74HC374
HD74HC377P	74HC377
HD74HC390P	74HC390
HD74HC393P	74HC393
HD74HC573P	74HC573
HD74HC574P	74HC574
HD74HC4020P	74HC4020
HD74HC4040P	74HC4040
HD74HC4053P	74HC4053
HD74HC4060P	74HC4060
HD74HCT240P	74HCT240
HD74HCT244P	74HCT244
HD74HCT373P	74HCT373
HD74HCT374P	74HCT374
HD74LS00	74LS00
HD74LS00P	74LS00
HD74LS01	74LS01
HD74LS01P	74LS01
HD74LS02	74LS02
HD74LS02P	74LS02
HD74LS03	74LS03
HD74LS03P	74LS03
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HD74LS04P	74LS04
HD74LS05	74LS05
HD74LS05P	74LS05
HD74LS08	74LS08
HD74LS08P	74LS08
HD74LS09	74LS09
HD74LS09P	74LS09
HD74LS10	74LS10
HD74LS10P	74LS10
HD74LS11	74LS11
HD74LS11P	74LS11
HD74LS12	74LS12
HD74LS12P	74LS12
HD74LS13	74LS13
HD74LS13P	74LS13
HD74LS14	74LS14
HD74LS14P	74LS14
HD74LS15	74LS15
HD74LS15P	74LS15
HD74LS20	74LS20
HD74LS20P	74LS20
HD74LS21	74LS21
HD74LS21P	74LS21
HD74LS22	74LS22
HD74LS22P	74LS22
HD74LS26	74LS26
HD74LS26P	74LS26
HD74LS27	74LS27
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HD74LS30P	74LS30
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HD74LS47P	74LS47
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HD74LS48P	74LS48
HD74LS49	74LS49
HD74LS49P	74LS49
HD74LS51	74LS51
HD74LS51P	74LS51
HD74LS54P	74LS54
HD74LS55	74LS55
HD74LS55P	74LS55
HD74LS73	74LS73
HD74LS73P	74LS73
HD74LS74	74LS74A
HD74LS74A	74LS74A
HD74LS74AP	74LS74A
HD74LS75	74LS75
HD74LS75P	74LS75
HD74LS76	74LS76A
HD74LS76P	74LS76A
HD74LS77	74LS77
HD74LS77P	74LS77
HD74LS78	74LS78
HD74LS78P	74LS78
HD74LS83	74LS83A
HD74LS83A	74LS83A
HD74LS85	74LS85
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HD74LS86	74LS86
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HD74LS91P	74LS91
HD74LS92	74LS92
HD74LS92P	74LS92
HD74LS93	74LS93
HD74LS93P	74LS93
HD74LS95B	74LS95B
HD74LS95BP	74LS95B
HD74LS107	74LS107
HD74LS107P	74LS107
HD74LS109	74LS109A
HD74LS109A	74LS109A
HD74LS109AP	74LS109A
HD74LS109P	74LS109A
HD74LS112	74LS112A
HD74LS112P	74LS112A
HD74LS113	74LS113
HD74LS113P	74LS113
HD74LS114	74LS114
HD74LS114P	74LS114
HD74LS122	74LS122
HD74LS122P	74LS122
HD74LS123	74LS123
HD74LS123P	74LS123
HD74LS125	74LS125A
HD74LS125A	74LS125A
HD74LS125AP	74LS125A
HD74LS125P	74LS125A
HD74LS126	74LS126
HD74LS126A	74LS126
HD74LS126AP	74LS126
HD74LS126P	74LS126
HD74LS132	74LS132
HD74LS132P	74LS132
HD74LS136	74LS136
HD74LS136P	74LS136
HD74LS138	74LS138
HD74LS138P	74LS138
HD74LS139	74LS139
HD74LS139P	74LS139
HD74LS145	74LS145
HD74LS145P	74LS145
HD74LS148	74LS148
HD74LS148P	74LS148
HD74LS151	74LS151
HD74LS151P	74LS151
HD74LS153	74LS153
HD74LS153P	74LS153
HD74LS155	74LS155
HD74LS155P	74LS155
HD74LS156	74LS156
HD74LS156P	74LS156
HD74LS157	74LS157
HD74LS157P	74LS157
HD74LS158	74LS158
HD74LS158P	74LS158
HD74LS160	74LS160A
HD74LS160A	74LS160A
HD74LS160AP	74LS160A
HD74LS161	74LS161A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HD74LS161P	74LS161A
HD74LS162	74LS162A
HD74LS162A	74LS162A
HD74LS162AP	74LS162A
HD74LS163	74LS163A
HD74LS163P	74LS163A
HD74LS164	74LS164
HD74LS164P	74LS164
HD74LS170	74LS170
HD74LS170P	74LS170
HD74LS173	74LS173
HD74LS173P	74LS173
HD74LS174	74LS174
HD74LS174P	74LS174
HD74LS175	74LS175
HD74LS175P	74LS175
HD74LS181	74LS181
HD74LS181P	74LS181
HD74LS190	74LS190
HD74LS190P	74LS190
HD74LS191	74LS191
HD74LS191P	74LS191
HD74LS192	74LS192
HD74LS192P	74LS192
HD74LS193	74LS193
HD74LS193P	74LS193
HD74LS194A	74LS194A
HD74LS194AP	74LS194A
HD74LS195	74LS195A
HD74LS195A	74LS195A
HD74LS195AP	74LS195A
HD74LS195P	74LS195A
HD74LS196	74LS196
HD74LS196P	74LS196
HD74LS197	74LS197
HD74LS197P	74LS197
HD74LS221	74LS221
HD74LS221P	74LS221
HD74LS240	74LS240
HD74LS240P	74LS240
HD74LS241	74LS241
HD74LS241P	74LS241
HD74LS242	74LS242
HD74LS242P	74LS242
HD74LS243	74LS243
HD74LS243P	74LS243
HD74LS244	74LS244
HD74LS244P	74LS244
HD74LS245	74LS245
HD74LS245P	74LS245
HD74LS245WP	74LS245
HD74LS247	74LS247
HD74LS247P	74LS247
HD74LS248	74LS248
HD74LS248P	74LS248
HD74LS249	74LS249
HD74LS249P	74LS249
HD74LS251	74LS251
HD74LS251P	74LS251
HD74LS253	74LS253
HD74LS253P	74LS253
HD74LS257	74LS257
HD74LS257P	74LS257
HD74LS258	74LS258
HD74LS258P	74LS258
HD74LS259	74LS259
HD74LS259P	74LS259
HD74LS266	74LS266
HD74LS266P	74LS266
HD74LS273	74LS273
HD74LS273P	74LS273
HD74LS279	74LS279
HD74LS279P	74LS279
HD74LS280	74LS280
HD74LS280P	74LS280
HD74LS283	74LS283
HD74LS283P	74LS283
HD74LS290	74LS290
HD74LS290P	74LS290
HD74LS293	74LS293
HD74LS293P	74LS293
HD74LS298	74LS298
HD74LS298P	74LS298
HD74LS299	74LS299
HD74LS299P	74LS299
HD74LS365	74LS365A
HD74LS365A	74LS365A
HD74LS365AP	74LS365A
HD74LS365P	74LS365A
HD74LS366	74LS366A
HD74LS366A	74LS366A
HD74LS366AP	74LS366A
HD74LS366P	74LS366A
HD74LS367	74LS367
HD74LS367A	74LS367
HD74LS367AP	74LS367
HD74LS367P	74LS367
HD74LS368	74LS368
HD74LS368A	74LS368
HD74LS368AP	74LS368
HD74LS368P	74LS368
HD74LS373	74LS373
HD74LS373P	74LS373
HD74LS374	74LS374
HD74LS374P	74LS374
HD74LS386	74LS386
HD74LS386P	74LS386
HD74LS390	74LS390
HD74LS390P	74LS390
HD74LS393	74LS393
HD74LS393P	74LS393
HD74LS490	74LS490
HD74LS490P	74LS490
HD74LS670	74LS670
HD74LS670P	74LS670
HD74S00	74S00
HD74S00P	74S00
HD74S03	74S03
HD74S03P	74S03
HD74S04	74S04
HD74S04P	74S04
HD74S05	74S05
HD74S05P	74S05
HD74S10	74S10
HD74S10P	74S10
HD74S11	74S11
HD74S11P	74S11
HD74S11S	74S11
HD74S15	74S15
HD74S15P	74S15
HD74S20	74S20
HD74S20P	74S20
HD74S22	74S22
HD74S22P	74S22
HD74S40	74S40
HD74S40P	74S40
HD74S64	74S64
HD74S64P	74S64
HD74S65	74S65
HD74S65P	74S65
HD74S74	74S74
HD74S74P	74S74
HD74S86	74S86
HD74S86P	74S86
HD74S112	74S112
HD74S112P	74S112
HD74S113	74S113
HD74S113P	74S113
HD74S114	74S114
HD74S114P	74S114
HD74S133	74S133
HD74S133P	74S133
HD74S134	74S134
HD74S134P	74S134
HD74S140	74S140
HD74S140P	74S140
HD74S151	74S151
HD74S151P	74S151
HD74S174	74S174
HD74S174P	74S174
HD74S175P	74S175
HD74S181	74S181
HD74S181P	74S181
HD74S251	74S251
HD74S251P	74S251
HD80C95	80C95
HD80C95P	80C95
HD80C96P	80C96
HD80C98	40098B
HD-187	101
HD1468	109
HD2000	116
HD2000-301	116
HD2149	109
HD2155	109
HD2201	9932
HD2201P	9932
HD2202	9933
HD2202P	9933
HD2203	9946
HD2203P	9946
HD2204	9930
HD2204P	9930
HD2205	9945
HD2205P	9945
HD2206	9936
HD2206P	9936
HD2207	9962
HD2207P	9962
HD2208	9935
HD2208P	9935
HD2209	9944
HD2209P	9944
HD2210	9099
HD2210P	9099
HD2211	9093
HD2211P	9093
HD2213	9157
HD2213P	9157
HD2214	9158
HD2214P	9158
HD2215	9962
HD2215P	9962
HD2216	9937
HD2216P	9937
HD2501	7440
HD2501P	7440
HD2502	7460
HD2502P	7460
HD2503	7400
HD2503P	7400
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HD2505	7451
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HD2509P	7401
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HD2511	7402
HD2511P	7402
HD2512	7453
HD2512P	7453
HD2513	7482
HD2513P	7482
HD2514	7454
HD2514P	7454
HD2515	7473
HD2515P	7473
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HD2516P	7476§
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HD2528	7403
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HD2531	7445
HD2531P	7445
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HD2533P	7494
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HD2536	7442
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HD2541	74192
HD2541P	74192
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HD2542P	74193
HD2543	74121
HD2543P	74121
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HD2560	7426
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HD2561	74123
HD2561P	74123
HD2562	74182
HD2562P	74182
HD2563	74H183
HD2563P	74H183
HD2564	74153
HD2564P	74153
HD2572	74196
HD2572P	74196
HD2573	74197
HD2573P	74197
HD2580	74154
HD2580P	74154
HD-4000	4000
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HD-4002	4002B
HD-4007	4007
HD-4011	4011B
HD-4012	4012B
HD-4013	4013B
HD4016	4016B
HD-4019	4019B
HD-4023	4023B
HD-4025	4025B
HD-4030	4030B
HD4066	4066B
HD-4066	4066B
HD4081	4081B
HD6001	177
HD6125	177
HD6147	116
HD6809	6809
HD6809E	6809E
HD6809EP	6809E
HD6809P	6809
HD6821P	6821
HD6865	116
HD7400	7400
HD7400P	7400
HD7401P	7401
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HD7444A	7444
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HD7447A	7447
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HD7493P	7493A
HD7496	7496
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HD14069	4069
HD14069B	4069
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HD14069UBP	4069
HD14070	4070B
HD14070B	4070B
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HD14071	4071B
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HD14072	4072B
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HD14073	4073B
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HD14073P	4073B
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HD14078	4078B
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HD14160	40160B
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HD14161	40161B
HD14161P	40161B
HD14162	40162B
HD14162P	40162B
HD14163	40163B
HD14163P	40163B
HD14174	40174B
HD14174B	40174B
HD14174P	40174B
HD14175	40175B
HD14175B	40175B
HD14175BP	40175B
HD14175P	40175B
HD14194	40194B
HD14194B	40194B
HD14194P	40194B
HD14501	4501
HD14501P	4501
HD14502	4502B
HD14502P	4502B
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HE-443-779	74LS02
HE-443-780	74LS08
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HE-443-799	74LS157
HE-443-800	74LS27
HE-443-802	74LS257
HE-443-805	74LS273
HE-443-811	74LS125A

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

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HE-443-915	74S86
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HEP-C6091G	816§
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HEP-C6125P	971
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HEP-C7454P	7454
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HEPC7474P	7474
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HEP-F0021	312
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HEP-F2005	220
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HEP-G0002	160
HEP-G0003	160
HEP-G0004	102A
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HEP-G0006	100
HEP-G0007	100
HEP-G0008	126A
HEP-G0009	126A
HEP-G003	160
HEP-G004	102A
HEP-G008	127
HEP-G0010	126A
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HEPG6002	28
HEP-G6003	104
HEP-G6004	105
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HEP-G6006	213
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HEP-G6008	127
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HEP-G6016	131
HEPG6016	131
HEP-G6018	179
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HEP-P2004	3004
HEP-P2005	3020
HEP-P5000	3040
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HEP-R0053	125
HEP-R0054	125
HEP-R0055	125
HEP-R0056	125
HEP-R0070	5801
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HEP-R0076	5808
HEP-R0078	5809
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HEP-R0257	5994
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HEP-R0604	156
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HEP-R0700	112
HEP-R0801	166
HEP-R0803	167
HEP-R0804	168
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HEP-R0851	166
HEP-R0852	166
HEP-R0853	167
HEP-R0855	168
HEP-R0856	169
HEP-R0875	5322
HEP-R0876	5322
HEP-R0877	5322
HEP-R0878	5324
HEP-R0879	5326
HEP-R1001	5400
HEP-R1002	5401
HEP-R1003	5402
HEP-R1004	5404
HEP-R1005	5404
HEP-R1202	5515
HEP-R1205	5515
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HEP-R1241	5481§
HEP-R1242	5482§
HEP-R1243	5483§
HEP-R1244	5485§
HEP-R1245	5485§
HEP-R1246	5487§
HEP-R1247	5487§
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HEP-R1302	5502
HEP-R1304	5504
HEP-R1306	5507
HEP-R1307	5507
HEP-R1471	5541
HEP-R1472	5542
HEP-R1473	5543
HEP-R1475	5545
HEP-R1721	5622§
HEP-R1722	5623
HEP-R1723	5624§
HEP-R1725	5626§
HEP-R1750	5667A
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HEP-R1752	5667A
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HEP-R1782	5682
HEP-R1783	5683
HEP-R1785	5685
HEP-R2001	6403
HEP-R2002	6407
HEP-R2021	6404
HEP-R2500	610
HEP-R2501	611
HEP-R2503	614
HEPR3012	525
HEP-R3201	522
HEP-R3203	500A
HEP-R9001	178MP
HEP-R9002	178MP
HEP-R9003	178MP
HEP-R9134	109
HEP-R9135	109
HEP-S0001	194
HEP-S0002	192§
HEP-S0003	192§
HEP-S0004	123A
HEPS0005	287
HEP-S0005	194
HEP-S0006	234
HEPS0008	229
HEP-S0008	229
HEP-S004	195A
HEPS0010	229
HEP-S0010	229
HEP-S0011	123A
HEPS0011-RT	123A
HEP-S0012	129
HEPS0012	129
HEP-S0013	159
HEP-S0014	123A
HEPS0014-RT	123A
HEP-S0015	123A
HEPS0015	123AP
HEP-S0016	108
HEP-S0017	161
HEPS0017-RT	161
HEP-S0019	159
HEPS0020	108
HEP-S0020	229
HEP-S0021	108
HEP-S0022	123A
HEP-S0023	199
HEP-S0024	199
HEPS0025	123AP
HEP-S0025	123A
HEP-S0026	159
HEPS0027	287
HEPS0028	288

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HEPS0029	288
HEP-S0030	123A
HEPS0030	123AP
HEPS0031	234
HEP-S0031	159
HEPS0032	159
HEP-S0032	159
HEP-S0033	229
HEPS0033	229
HEPS0034	123AP
HEP-S0034	123A
HEPS0035	123AP
HEPS0036	123AP
HEPS0037	159
HEPS0038	123AP
HEPS0039-RT	316
HEPS0040	123AP
HEP-S3001	195A
HEP-S3002	2347
HEPS3005	347
HEPS3006	349
HEP-S3006	320
HEPS3007	351
HEPS3008	311
HEPS3009	320
HEP-S3010	2347
HEP-S3011	2347
HEP-S3012	129
HEP-S3013	311
HEPS3013	311
HEPS3014	311
HEP-S3019	190
HEP-S3020	188
HEP-S3021	191
HEP-S3022	191
HEP-S3023	210
HEP-S3024	210
HEP-S3025	210
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HEP-S3030	189
HEP-S3031	189
HEP-S3032	189
HEP-S3033	154
HEP-S3034	154
HEP-S3035	154
HEP-S3042	128
HEP-S3043	322§
HEP-S3045	235
HEP-S3049	295
HEP-S3052	325
HEP-S5000	184
HEP-S5001	182§
HEP-S5002	183§
HEP-S5003	184
HEP-S5004	182§
HEP-S5005	183§
HEP-S5006	185
HEP-S5007	185
HEP-S5008	183§
HEP-S5009	183§
HEP-S5010	183§
HEP-S5011	124
HEP-S5012	175
HEP-S5013	129
HEP-S5014	128
HEP-S5015	157
HEP-S5018	218
HEP-S5019	175
HEPS5019	175
HEP-S5020	162
HEP-S5022	159
HEP-S5023	129
HEPS5024	154
HEP-S5024	154
HEP-S5025	154
HEP-S5026	154
HEP-S7000	181
HEP-S7001	180
HEP-S7002	130
HEP-S7003	219
HEP-S7004	130
HEP-S9001	6402§
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HEP-S9100	46
HEP-S9101	253
HEP-S9103	272
HEP-S9120	232
HEPS9120	232
HEP-S9121	254
HEP-S9122	258
HEP-S9123	273
HEP-S9140	243
HEP-S9141	244
HEP-S9142	251
HEP-S9143	252
HEP-S9144	244
HEP-S9145	243
HEP-S9146	245
HEP-S9147	246
HEP-S9148	247
HEP-S9149	248
HEP-S9150	263
HEP-S9152	264
HEP-Z0206	5005A
HEP-Z0206A	5005A
HEP-Z0208	5007A
HEP-Z0208A	5007A
HEP-Z0210	5009A
HEP-Z0210A	5009A
HEP-Z0211	5010A
HEP-Z0211A	5010A
HEP-Z0212	5011A
HEP-Z0212A	5011A
HEP-Z0214	5013A
HEP-Z0214A	5013A
HEP-Z0215	5014A
HEP-Z0215A	5014A
HEP-Z0216	138A
HEP-Z0216A	5015A
HEP-Z0217	5016A
HEP-Z0217A	5016A
HEP-Z0219	5018A
HEP-Z0219A	5018A
HEP-Z0220	5019A
HEP-Z0220A	5019A
HEP-Z0222	5021A
HEP-Z0225	5024A
HEP-Z0228	5027A
HEP-Z0230	5029A
HEP-Z0231	5030A
HEP-Z0234	5033A
HEPZ0254	5053A
HEP-Z0254	5098A
HEP-Z0255	5099A
HEP-Z0401	5066A
HEP-Z0402	134A
HEP-Z0403	5067A
HEP-Z0405	5069A
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HEP-Z0407	136A
HEP-Z0408	137A
HEP-Z0409	5071A
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HEP-Z0411	5072A
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HEP-Z0413	140A
HEP-Z0414	5074A
HEP-Z0415	142A
HEP-Z0416	143A
HEP-Z0417	144A
HEP-Z0418	145A
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HEP-Z2504	5115A
HEPZ2504	5115A
HEP-Z2506	5117A
HEP-Z2508	5119A
HEP-Z2510	5121A
HEP-Z2513	5124A
HEP-Z2514	5125A
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HEPZ2551	5100A
HEP-Z2551	5162A
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HEP-Z3504	5178AK
HEP-Z3505	5180AK
HEP-Z3507	5182AK
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HEP-Z3512	5186A
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HEP-Z3534	5217A
HEP-Z3536	5220A
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HER3002C	6246#
HER3003	6246#
HER3003C	6246#
HER3004	6247#
HER3005	6247#
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HERR3203	500A
HE-SD1	116
H-EX0019GE	145A
H-EX00217A	5020A
H-EX0047CE	142A
H-EX0049CE	5010A
H-EX0061CE	142A
H-EX0089CE	5016A
H-EX0091CE	5080A
H-EX0247CE	137A
HF-0SW05	116
HF1	558
HF-1	552
HF-1(Transistor)	123A
HF1(Transistor)	123A
HF1A	558
HF1B	558
HF1C	558
HF-1RA	558
HF-1S334	139A
HF-1S339	139A
HF1Z	552
HF2	123A
HF3	123A
HF3H	160
HF3M	160
HF4	123A
HF5	123A
HF6	123A
HF6H	160
HF6M	160
HF7	123A
HF8	123A
HF9	128
HF10	129
HF11(Philco)	128
HF12(Philco)	129
HF12H	160
HF12M	160
HF12N	160
HF-17	506
HF19	121
HF-19D	179
HF20	121
HF20H	160
HF20M	160
HF-20O05	610
HF22	130
HF23	180
HF24	181
HF25	180
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HF-40	123A
HF45	210
HF46	211
HF-47	106
HF47	234
HF49	182§
HF50	183§
HF50H	160
HF50M	160
HF51	187
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HF58	153
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HF-10024	109
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HF20066	116
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HF-20084	116
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HF-MV2	177
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HFS04	116
HFS-04	156
HFSD1	506
HFSD-1	506
HFSD-1A	506
HFSD-1B	506
HFSD-1C	506
HFSD-1C(Sears)	506
HFSD-1Z	506
HF-SD-1Z	506
HFSD12	156
HFSD-14	506
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HI13SC	5650
HI13SD	5650
HI13SG	5650
HI13SH	5640
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HI63SH	5643
HI FI	116
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HIT9011H	123AP
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HIT9014A	123AP
HIT9014B	123AP
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HIT9015	159
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HJ22D	102A
HJ23	102A
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HJ34	160
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HJ41	100
HJ43	102A
HJ50	102A
HJ51	102A
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HJ60C	160
HJ62	102A
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HJ72	158
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HJ74	158
HJ226	158
HJ228	158
HJ230	158
HJ315	158
HJ606	102A
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HJX2	102A
HK-00049	312
HK-00330	312
HK/01-140012	116
HK/05-506512	123AP
HK/05-508533	123AP
HK/05-518534	123AP
HK/13-12002-0	110MP
HK/13-14602-D9	159
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To Be Replaced	ECG Replacement
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HS5814	192§
HS5815	193
HS5816	192§
HS5817	193
HS5818	192§
HS5819	193
HS5820	192§
HS5821	193
HS5822	192§
HS5823	193
HS6010	192§
HS6011	193
HS6012	192§
HS6013	193
HS6014	192§
HS6015	193
HS6016	192§
HS6017	193
HS6112	129
HS7027	5002A
HS7033	5005A
HS7036	134A
HS7039	134A
HS7051	135A
HS7056	136A
HS7062	137A
HS7091	139A
HS7100	140A
HS7120	142A
HS7150	145A
HS7270	146A
HS7330	147A
HS-40014	123AP
HS-40016	123AP
HS-40017	108
HS-40019	108
HS-40020	108
HS40021	161
HS40022	161
HS40023	161
HS40024	161
HS40025	161
HS40026	128
HS-40027	159
HS-40030	123AP
HS-40031	159
HS40032	129
HS-40035	159
HS-40037	123A
HS-40039	128
HS-40040	159
HS-40044	123A
HS-40045	108
HS-40046	123A
HS40046	123A
HS-40047	108
HS40049	108
HS-40050	159
HS-40053	106
HS-40054	229
HS-40055	108
HS-40056	123AP
HS-40057	290A
HS-40059	108
HS-40060	123AP
HS-40062	159
HS-40063	123AP
HS-40064	123AP
HS-40065	192§
HS-90028	159
HSA1015	290A
HSB27B	5427
HSB47D	5428
HSB67M	5429
HSC-1	156
HSC1815	85
HSE125-RT	123A
HSE126	128
HSE127	129
HSE128	129
HSE130-RT	123
HSE131-RT	123A
HSE133-RT	123A
HSE134-RT	123A
HSE135-RT	123A
HSE139-RT	123A
HSE140	129
HSE141	129
HSE144-RT	123A
HSE147	123A
HSE148	123A
HSE149	129
HSE150-RT	396
HSE151-RT	154
HSE152	129
HSE153	129
HSE163-RT	123A
HSE164	123A
HSE166-RT	123A
HSE169	129
HSE171-RT	123A
HSE174	129
HSE175	383
HSE178	154
HSE185	129
HSE186	128
HSE191	129
HSE193	397
HSE194	397
HSE210-RT	123A
HSE211	159
HSE217-RT	123A
HSE218-RT	123A
HSE220-RT	123A
HSE223	159
HSE224	159
HSE226	159
HSE307-RT	123A
HSE311-RT	123A
HSE317-RT	123A
HSE401	123AP
HSE402	159
HSE403	159
HSE405	123AP
HSE408	123AP
HSE410	159
HSE411	123AP
HSE412	123AP
HSE414	159
HSE415	123AP
HSE416	123AP
HSE417	123AP
HSE418	123AP
HSE422	108
HSE423	123AP
HSE424	123AP
HSE450-RT	289A
HSE453-RT	289A
HSE454-RT	289A
HSE455-RT	289A
HSE456-RT	289A
HSE1300	126A
HSE1301	126A
HSFD1	506
HSFD-1A	116
HSFD-1A(Sony)	506
HSFD-1Z(Sony-Blanking)	506
HSFD-1Z(Sony-Standby)	116
HSM2835	596
HSM2836	596
HSM2837	595
HSM2838	595
HSS1	502
HSS81	177◆
HSS101	585◆
HSS104	519◆
HT0405190C	103A + 158(CP)
HT-23G	177
HT-32	6408
HT-35	6408
HT-40	6411
HT-60	6412
HT100	159
HT101	159
HT400	123A
HT401	123A
HT20436A	131
HT20451A	158
HT30491C	128
HT30494	130
HT30494X	130
HT36441B	199
HT101011X	126A
HT101021A	126A
HT102341	160
HT102341A	160
HT102341B	160
HT102341C	160
HT102351	160
HT102351A	160
HT103501	160
HT103501A	126A
HT103531C	126A
HT103541B	126A
HT104731Y0	153
HT104861	128
HT104861A	128
HT104861B	128
HT104891A0	242
HT104941B-0	159
HT104941C0	159
HT104941C-0	159
HT104942A	159
HT104951A-0	159
HT104951B	159
HT104951B0	159
HT104951B-0	159
HT104951C	159
HT104951C0	159
HT104961B	185
HT104961C	184
HT104971A-0	129
HT104971A0	129
HT105611	159
HT105611A	159
HT105611B	159
HT105611B0	159
HT105611C	159
HT105612B	159
HT105621B0	159
HT105621B-0	159
HT105641C	234
HT105641D	234
HT105641H	234
HT105642B	234
HT106082A0	288
HT106731B	159
HT106731B0	290A
HT107211T	234
HT107222A0	234
HT107331Q0	294
HT107331R0	159
HT107701B0	153
HT200540	102A
HT200540A	102A
HT200541	102A
HT200541A	102A
HT200541B	102A
HT200541B-0	102A
HT200541C	160
HT200561	102A
HT200561A	102A
HT200561B	102A
HT200561C	102A
HT200561C-0	102A
HT200751B	102A
HT200770B	102A
HT200771	102A
HT200771A	102A
HT200771B	102A
HT200771C	102A
HT201721A	102A
HT201721D	102A
HT201725A	102A
HT201782A	102A
HT201861A	102A
HT201871L	102A
HT203243A	158
HT203701	102A
HT203701A	102A
HT203701B	102A
HT204051	158
HT204051B	158
HT204051C	158
HT204051D	158
HT204051E	158
HT204053	158
HT204053A	158
HT204053B	158
HT204736	131
HT205492B0	374
HT206882A0	37
HT301451L0	199
HT303620B	123A
HT303711A	107
HT303711A0	123A
HT303711A-0	108
HT303711B	107
HT303711B-0	123A
HT303711B0	123A
HT303711C	107
HT303720A	108
HT303721-0	123A
HT303721D	123A
HT303730	123A
HT303730A	123A
HT303731A0	199
HT303732A0	199
HT303801	107
HT303801A	107
HT303801A0	107
HT303801B	107
HT303801B-0	107
HT303801B0	107
HT303801C	107
HT303801C0	107
HT303941	108
HT303941A	108
HT303941B	108
HT304501B0	107
HT304531	123A
HT304531A	123A
HT304531B	123A
HT304531C	123A
HT304540A0	108
HT304540B0	123A
HT304580	123A
HT304580A	123A
HT304580B	123A
HT304580C0	123A
HT304580K	123A
HT304580Y0	123A
HT304580Z	123A
HT304581	123A
HT304581A	123A
HT304581B	123A
HT304581B-0	123A
HT304581C	123A
HT304601B0	233
HT304601C0	108
HT304611B	108
HT304861	128
HT304861A	128
HT304861B	123A
HT304911	175
HT304911A	175
HT304911B	175
HT304941X	130
HT304951D0	295
HT304961B	184
HT304961C	184
HT304961C-0	186
HT304971A	128
HT304971A0	128
HT304971B	128
HT305091Y0	289A
HT305351B0	233
HT305351C0	108
HT305352B0	107
HT305360F0	47
HT305361E	123A
HT305361G	123A
HT305371E	123A
HT305642B	234
HT306441	123A
HT306441A	123A
HT306441A0	128
HT306441B	123A
HT306441B-0	123A
HT306441B0	123A
HT306441C	123A
HT306441C-0	123A
HT306442A	199
HT306442B	199
HT306442B0	199
HT306451	108
HT306451A	107
HT306451B	108
HT306681C	108
HT306962A-0	108
HT307321A	123A
HT307321B-0	123A
HT307321C0	123A
HT307322A	123A
HT307331B	123A
HT307331C	123A
HT307331C0	123A
HT307341	128
HT307341A	128
HT307341B	123A
HT307341C-0	123A
HT307342B	128
HT307342C	128
HT307720B	107
HT307721C	107
HT307721D	107
HT307841B0	229
HT307841R0	229
HT307902B	184
HT308281B	123A
HT308281C	123A
HT308281D	199
HT308281G	123A
HT308281H	199
HT308281O	123A
HT308282A	123A
HT308282A-0	123A
HT308282A0	199
HT308282B	199
HT308291A	123A
HT308291A-O	123A
HT308291B	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
HT308291B0	107
HT308291B-0	123A
HT308291BO	123A
HT308291C	123A
HT308291C0	123A
HT308291D0	123A
HT308301B0	152
HT309001E0	199
HT309002A0	229
HT309291C	108
HT309291E	107
HT309301C	199
HT309301D	107
HT309301E	199
HT309301F	199
HT309451L0	199
HT309451Q0	199
HT309451R0	199
HT309452A0	85
HT309680B	128
HT309714A-0	128
HT309841B0	128
HT309842A-0	123A
HT310002A	199
HT310471B0	108
HT310471C0	107
HT311621B	152
HT311731Y0	152
HT312131B0	289A
HT312131C0	289A
HT313171Q0	289A
HT313171R	289A
HT313172A	289A
HT313181C	128
HT313271T	199
HT313271U0	199
HT313272A0	199
HT313272B	199
HT313591B0	229
HT313592B	229
HT313681B0	184
HT313831X	293
HT313831X0	293
HT313832B	293
HT313832C	293
HT313841R	293
HT314071Q	192§
HT315182C0	293
HT316680A1	229
HT316741M0	107
HT316751L0	229
HT316751M0	229
HT316781A0	235
HT320911A0	295
HT320921A0	235
HT326342B0	199
HT400721	103A
HT400721A	103A
HT400721B	103A
HT400721C	103A
HT400721D	103A
HT400721E	103A
HT400723	103A
HT400723A	103A
HT400723B	103A
HT400770B	103A
HT401191	130
HT401191A	130
HT401191B	130
HT401193A0	280
HT401301B0	175
HT402352B	152
HT403131E0	196
HT403131Q0	152
HT403132A0	196
HT403152A	175
HT403152B	175
HT403523A	103A
HT404001E	192§
HT404152B0	373
HT404711L0	289A
HT407182A0	36
HT600011F	159
HT600011H	159
HT800011F	123A
HT800011G	123A
HT800011H	123A
HT800011K	123A
HT1001510	102A
HT2040710 A	121
HT2046710	131
HT3036210	123A
HT3037010	108
HT3037201	108
HT3037201A	108
HT3037201B	108
HT3037210	123A
HT3037210-0	123A
HT3037310	107
HT3038013-B	107
HT3046010B0	107
HT6000210	159
HT8000101	154
HT8000710	116
HT8001210	128
HT8001310	128
HT8001610	161
HT8001710	161
HT8001810	123A
HT9356500A	287
HT30373100	123A
HT30387100	316
HT30730100	47
HT30733100	199
HT30945110	199
HT31317100	289A
HT31327100	199
HT31518210	293
HT31909100	235
HT31970100	342
HT32053000	123AP
HT32221100	322§
HT32347100	69
HT40571100	287
HT70011100	242
HT80059100	108
HT80060100	108
HT80071000	365
HT80072000	367
HU04/12/AC	5703
HU04/12/CAW	5701
HU04/12/CKW	5700
HU04/12/SCR	5702
HU04/55/DS	5712
HU04/55/SD	5711
HU04/55/SS	5710
HU04/85/DS	5722
HU04/85/SD	5721
HU04/85/SS	5720
HU06/12/DD	5704
HU06/12/SS	5705
HU06/55/DD	6220
HU06/85/DD	6230
HU06T3U	5335
HU06T6U	5335
HU08/12/AC	5703
HU08/12/CAW	5701
HU08/12/CKW	5700
HU08/12/SCR	5702
HU08/55/DS	5712
HU08/55/SD	5711
HU08/55/SS	5710
HU08/85/DS	5722
HU08/85/SD	5721
HU08/85/SS	5720
HU08B3U	5346
HU08B6U	5346
HU10B3U	5348
HU10B6U	5348
HU10T3U	5338
HU10T6U	5338
HU12/12/AC	5703
HU12/12/CAW	5701
HU12/12/CKW	5700
HU12/12/DD	5704
HU12/12/SS	5705
HU12/55/DD	6220
HU12/55/DS	5712
HU12/55/SD	5711
HU12/55/SS	5710
HU12/85/DD	6230
HU12/85/DS	5722
HU12/85/SD	5721
HU12/85/SS	5720
HV0000102	102A
HV0000105	116
HV0000105-0	116
HV0000202	102A
HV0000206	601
HV0000302	107
HV0000405	158
HV0000406	116
HV0000502	601
HV0000705	116
HV00001050	177
HV00001060	601
HV00002000	177
HV00005020	601
HV00008120	601
HV0001050	177
HV2PA	116
HV4PA	116
HV5-5	518
HV5-5F	518
HV5-7	518
HV5-7F	518
HV5-10	518
HV5-10F	518
HV6PA	116
HV8	542
HV8PA	125
HV10	542
HV10-5	518
HV10-5F	518
HV10-7	518
HV10-7F	518
HV10-10	518
HV10-10F	518
HV10PA	125
HV12	102A
HV12(HV-Rect)	542
HV-12A	552
HV12A	552
HV12B	552
HV-12B	552
HV-12C	552
HV12C	552
HV14	542
HV-15	OBS-NLA
HV15	OBS-NLA
HV15(HV-Rect)	542
HV15(Transistor)	102A
HV15PD	525
HV16	102A
HV-16A	552
HV16A	525
HV16B	525
HV16C	525
HV17	102A
HV17B	102A
HV19	102A
HV20	525
HV20C	525
HV-23	600
HV-23(Elgin)	600
HV23D	600
HV23E	600
HV23F	600
HV23-G	600
HV23G	600
HV-23G	600
HV-23GB	600
HV-23G-B	600
HV23GBL	600
HV-23GWT	600
HV-23GYL	600
HV25	123A
HV-25	177
HV25-5	518
HV25-5F	518
HV25-7	518
HV25-7F	518
HV25-10	518
HV25-10F	518
HV-25(DIODE)	177
HV25(Hitachi)	177
HV-25(RCA)	177
HV26	600
HV-26	116
HV-26G	116
HV-27	177
HV46	605A
HV-46	605A
HV46GR	605A
HV-46OR	605A
HV46RD	605A
HV80	601
HV-80	601
HV-100	116
HV123GYL	600
HV230BL	600
HV460R	177
HVE15	525
HVK1333	522
HVK1334	534
HVM5	517
HVM8	517
HVM10	517
HVM12	517
HVM14	517
HVM15	517
HVP5	548◆
HVP8	548◆
HVP10	548◆
HVP12	548
HVPR10-06	548
HVPR10-08	548
HVPR10-1	548
HVPR10-10	548
HVPR10-12	548
HVPR10-14	548
HVPR12-08	517◆
HVPR12-10	517◆
HVPR12-12	517◆
HVPR12-14	517◆
HVPR15-08	542
HVPR15-4	542
HVPR15-4L	542◆
HVPR15-10	542
HVPR15-12	542
HVPR15-14	542
HVR-1X	517
HVR-1X-4	517
HVR-1X-40B	517
HVR-1X-41A	517
HVR-3B	544
HVR5A	544
HVR-5A	544
HVR5AS	544
HVR-5AS	544
HVT-22DA	502
HVT400	523/3306
HVT-DF-18	502
HW6.8	5071A
HW6.8A	5071A
HW7.5	138A
HW7.5A	138A
HW8.2	5072A
HW8.2A	5072A
HW9.1	139A
HW9.1A	139A
HW9.1B	139A
HW10	140A
HW10A	140A
HW11	5074A
HW11A	5074A
HW11B	141A
HW12	142A
HW12A	142A
HW12B	142A
HW13	143A
HW13A	143A
HW13B	143A
HW15	145A
HW15A	145A
HW15B	145A
HW16	5075A
HW16A	5075A
HW18	5077A
HW18A	5077A
HW20	5079A
HW20A	5079A
HW22	5080A
HW22A	5080A
HW24	5081A
HW24A	5081A
HW27	146A
HW27A	146A
HW27B	146A
HW30	5084A
HW30A	5084A
HW33	147A
HW33A	147A
HW33B	147A
HW36	5085A
HW36A	5085A
HW39	5086A
HW39A	5086A
HW43	5087A
HW43A	5087A
HW47	5088A
HW47A	5088A
HW51	5089A
HW51A	5089A
HW56	5090A
HW56A	5090A
HW56B	148A
HW62	149A
HW62A	149A
HW62B	149A
HW68	5092A
HW68A	5092A
HW75	5093A
HW75A	5093A
HW82	150A
HW82A	150A
HW82B	150A
HW91	5095A
HW91A	5095A
HW100	5096A
HW100A	5096A
HW110	151A
HW110A	151A
HW110B	151A
HW120	5097A
HW120A	5097A
HW130	5098A
HW130A	5098A
HW150	5100A
HW150A	5100A
HW160	5101A
HW160A	5101A
HW180	5103A
HW180A	5103A
HW200	5105A
HW200A	5105A
HX2PA	587
HX50001	108
HX50002	123A
HX50003	107
HX-50063	123A
HX-50072	123A
HX-50091	229
HX-50092	123AP
HX-50094	159
HX-50097	123AP
HX-50102	540Ž
HX-50103	192§
HX-50104	193
HX-50105	159
HX-50106	299§
HX-50107	199
HX-50108	287
HX-50109	288
HX-50110	229
HX-50112	159
HX-50113	123A
HX-50120	129P
HX-50126	108
HX-50127	123A
HX-50128	159
HX-50129	293
HX-50130	294
HX-50159	5400
HX-50161	123AP
HX-50171	294
HX-50172	123A
HX-50173	293
HX-50176	159
HX-50180	172A
HX-50181	123AP
HY5C2	5010T1
HY3045801C	123A
HYB4116-3	2117
HYB4116-4	2117
HYB4116-5	2117
HZ2C1	5000A
HZ2CLL	5000A
HZ2.7E	5002A
HZ2.7P	5063A
HZ2.7PB	5063A
HZ-3	5004A
HZ-3A	5004A
HZ3A07	5004A
HZ3A3	5003A
HZ3ALL	5004A
HZ3B	5004A
HZ-3B-2	5004A
HZ3B3	5004A
HZ3BLL	5004A
HZ3C1	5005A
HZ3C-2	5005A
HZ3C2-01	5005A
HZ3C3	5005A
HZ3.0E	5004A
HZ3.0P	5065A
HZ3.0PB	5065A
HZ3.3P	5066A
HZ3.3PB	5066A
HZ3.6CP	5006A
HZ3.6CPTA	5006A
HZ3.6P	134A
HZ3.6PB	134A
HZ3.9NB2	5007A
HZ3.9P	5067A
HZ3.9PB	5067A
HZ4A	5006A
HZ4A04	5007A
HZ4A-1	5006A
HZ4A-2	5006A
HZ4B	5007A
HZ4B1T	5007A
HZ4B2	5007A
HZ-4C	5008A
HZ4C1	5008A
HZ4CLL	5008A
HZ4.3E	5008A
HZ4.3P	5068A
HZ4.3PB	5068A
HZ4.7E	5009A
HZ4.7P	5069A
HZ-5	135A
HZ5	5009A
HZ-5B	135A
HZ5B	5009A
HZ-5B-1	5009A
HZ5B-1-05	5009A
HZ5B-2	5009A
HZ5C	5010A
HZ5C-1	5010T1
HZ-5C-1	5010T1
HZ5C1	5010T1
HZ5C1TD	5010T1
HZ5C-2	5010T1
HZ5C2	5010T1
HZ-5C3	5010A
HZ5CCL	5010T1
HZ5HC2	5010T1
HZ5.0C2	5010T1
HZ5.1E	5010T1
HZ5.1EB2	5010T1
HZ5.1P	135A
HZ5.1PB	135A
HZ5.6E	5011A
HZ5.6EB2	5011T1
HZ5.6P	136A
HZ5.6PB	136A
HZ5.6PC	5070A
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HZ-6A	5011T1
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HZS20S	5029A
HZS22	5030A
HZS22J	5030A
HZS22S	5030A
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HZS27	5033A
HZS27B	5033A
HZS27J	5033A
HZS27S	5033A

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2.

To Be Replaced	ECG Replacement
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HZS30S	5035A
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HZS36J	5037A
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HZS36S	5037A
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HZT33-05	615A
HZT33-10	615A
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IC-142	1050
IC-146	1004
IC-200(Elcom)	745§
IC-201(Elcom)	722
IC201(Elcom)	722
IC-202(Elcom)	747
IC202(Elcom)	747
IC203(Elcom)	749
IC-203(Elcom)	749
IC-204(Elcom)	750§
IC204(Elcom)	750§
IC-205(Elcom)	708
IC210(Elcom)	909
IC-210(Elcom)	909
IC-211(Elcom)	903
IC-212(Elcom)	911
IC213(Elcom)	838
IC213(ELCOM)	753§
IC-213(Elcom)	838
IC217(Elcom)	773
IC-217(Elcom)	773
IC-218(ELCOM)	713
IC218(ELCOM)	713
IC-220(Elcom)	9662§
IC-221(Elcom)	9665
IC-222(Elcom)	9666
IC-223(Elcom)	9667§
IC-224(Elcom)	9672§
IC-225(Elcom)	9663§
IC229(Elcom)	9945
IC-234(Elcom)	9099
IC-237(Elcom)	9807
IC-243(Elcom)	829
IC-244(ELCOM)	767§
IC-246(Elcom)	9946§
IC-276(Elcom)	9944
IC-279(Elcom)	9948
IC-280(Elcom)	9932
IC-281(Elcom)	9933
IC-282(Elcom)	OBS-NLA
IC-285(Elcom)	OBS-NLA
IC285(Elcom)	OBS-NLA
IC286(Elcom)	761§
IC-286(Elcom)	761§
IC-287(Elcom)	814A§
IC288(Elcom)	779A
IC-288(Elcom)	779A
IC-289(Elcom)	798
IC-290(Elcom)	755
IC290(Elcom)	755
IC293(Elcom)	739
IC-293(Elcom)	739
IC294(Elcom)	746
IC-294(Elcom)	746
IC-295(Elcom)	941M
IC-296(Elcom)	312
IC-297(Elcom)	738
IC297(Elcom)	738
IC-298(Elcom)	760
IC298(Elcom)	760
IC301(Elcom)	724
IC-301(Elcom)	724
IC302(Elcom)	711
IC-304(Elcom)	912
IC305(Elcom)	727
IC-305(Elcom)	727
IC-306(Elcom)	914
IC307(Elcom)	783§
IC-307(Elcom)	780
IC308(Elcom)	712
IC309(Elcom)	723
IC310(Elcom)	781§
IC311(Elcom)	730
IC312(Elcom)	714
IC313(Elcom)	715
IC314(Elcom)	728
IC315(Elcom)	729
IC-317(Elcom)	913§
IC317(Elcom)	941
IC-318(Elcom)	913§
IC-319(Elcom)	786§
IC319(Elcom)	786§
IC320(Elcom)	789
IC-320(Elcom)	729
IC-322(Elcom)	731
IC-323(Elcom)	787
IC-324(Elcom)	788
IC-325(Elcom)	791
IC-401	706
IC401	706
IC-403(Elcom)	1053
IC405(Elcom)	721
IC-405(Elcom)	721
IC-408(Elcom)	724
IC-409(Elcom)	9663§
IC-410(Elcom)	9668§
IC411(Elcom)	910
IC-412(Elcom)	9670§
IC-413(Elcom)	9661
IC-414(Elcom)	9664§
IC-415(Elcom)	9682§
IC-419(Elcom)	9157
IC-420(Elcom)	9158
IC-423(Elcom)	OBS-NLA
IC-432(Elcom)	OBS-NLA
IC-433(Elcom)	757§
IC-435(Elcom)	755
IC-441(Elcom)	9669
IC-442(Elcom)	755
IC-443(Elcom)	757§
IC-444(Elcom)	758
IC-445(Elcom)	759
IC-446(Elcom)	763§
IC-447(Elcom)	765§
IC-448(Elcom)	765§
IC-449(Elcom)	768
IC-450(Elcom)	770
IC-451(Elcom)	772A
IC-453(Elcom)	776
IC-455(Elcom)	9093
IC-457(Elcom)	783§
IC-500(Elcom)	7482
IC500(IR)	703
IC501(Elcom)	760
IC501(IR)	704
IC502	705A
IC-502(Elcom)	719
IC502(Elcom)	719
IC502(IR)	705A
IC503	707
IC503(IR)	707
IC504	708
IC504(IR)	708
IC505	709
IC-505(Elcom)	1061
IC505(IR)	709
IC506(IR)	710
IC507	712
IC507(IR)	712
IC508	713
IC-508(Elcom)	1075A
IC508(IR)	713
IC509	714
IC-509(Elcom)	1083
IC509(IR)	714
IC510	715
IC510(IR)	715
IC511	718
IC511(IR)	718
IC-512(Elcom)	1039
IC512(IR)	720
IC513	722
IC513(IR)	722
IC-517(Elcom)	1042
IC-520(Elcom)	955M
IC-521(Elcom)	799
IC-523(Elcom)	782§
IC-524(Elcom)	740A
IC-526(Elcom)	370A§
IC-527(Elcom)	OBS-NLA
IC-531(Elcom)	923D
IC-533(Elcom)	1046
IC-534(Elcom)	1136
IC-535(Elcom)	1123
IC-537(Elcom)	1071
IC-540(Elcom)	1137
IC-542(Elcom)	1003
IC-543(Elcom)	1006
IC-545(Elcom)	1109
IC-546(Elcom)	712
IC-547(Elcom)	1013
IC-548(Elcom)	1015
IC-549(Elcom)	1012
IC-550(Elcom)	1152
IC-551(Elcom)	1018
IC-552(Elcom)	1056
IC-553(Elcom)	1073
IC-554(Elcom)	1054
IC-555	955M
IC-601(Elcom)	735
IC-602(Elcom)	804
IC-603(Elcom)	804
IC-604(Elcom)	736
IC-605(Elcom)	740A
IC-606(Elcom)	743
IC-607(Elcom)	744
IC700	1024
IC1303P	725
IC3014	704
IC4001BP	4001B
IC4016BP	4016B
IC-7400	7400
IC-7402	7402
IC-7404	7404
IC-7408	7408
IC-7410	7410
IC-7414	7414
IC-7417	7417
IC-7420	7420
IC7430	7430
IC-7430	7430
IC-7473	7473
IC-7474	7474
IC-7475	7475
IC-7476	7476§
IC-7493	7493A
IC-7905	961
IC25681	529
IC-74121	74121
IC-74123	74123
IC-74125	7474
IC-74154	74154
IC-74155	74155
IC-74163	74163
IC-74164	74164
IC-74164N	74164
IC-74165	74165
IC-74174	74174
IC-74175	74175
IC743038	195A
IC743039	195A
IC743040	229
IC743041	229
IC743042	123A
IC743043	290A
IC743044	289A
IC743045	235
IC743046	312
IC743047	139A
IC743048	116
IC743049	519
IC743050	109
IC743051	177
ICC1252H2	1794
ICC1253H2	1795
ICF-1	703
ICF-1-6826	703
ICL741C-LN-TY	941
ICL741CPA	941M
ICL741CPD	941D
ICL741CTY	941
ICL748CTY	1171
ICL748TY	1171
ICL7106	2051
ICL7106CDL	2051
ICL7106CPL	2051
ICL7107	2050
ICL7107CDL	2050
ICL7107CPL	2050
ICL7116CDL	2063
ICL7116CPL	2063
ICL7126CPL	2049
ICL7126RCPL	2064
ICL7129CPL	2065
ICL8038ACJD	864
ICL8038ACPD	864
ICL8038BCPD	864
ICL8038BDJD	864
ICL8038CCJD	864
ICL8038CCPD	864
ICL8038DCJD	864
ICLB1649	1774
ICM7240CP	893
ICM7555	955MC
ICM7555CBA	955SM
ICM7555IPA	955MC
ICM7556IPD	978C
ICP-F10	15005
ICP-F15	15006
ICP-F20	15007
ICP-F25	15008
ICP-F38	15009
ICP-N5	15019
ICP-N10	15020
ICP-N15	15021
ICP-N20	15022
ICP-N25	15023
ICS	504
ICSTK4024II	1815
ICSTK4101II	1816
ICSTK4141II	1818
ICTA7348P	1826
ICTE-5C	4901
IC-uA703E	703
ID4B42	5332
ID100	5400
ID101	5401
ID102	5402
ID103	5404
ID104	5404
ID105	5405
ID106	5405
iD2732A-3(EPROM)	2732
ID18004	97
IDA1Z5B	135A
IDA1Z6.8B	5071A
IDA1Z8.2B	5072A
IDA1Z10B	140A
IDA1Z14B	144A
IDA1Z18B	5077A
IDA1Z22B	5080A
IDAZ824B	137A
IDAZ3397B	5067A
IDAZ3398B	5068A
IDAZ3399B	135A
IDAZ3400B	5071A
IDAZ3401B	5072A
IDAZ3402B	140A
IDAZ3403B	142A
IDAZ3404B	145A
IDAZ3405B	5077A
IDB200	5332
IDB400	5332
IDB600	5332
IDB800	5334
IDUPC7912H	967
IE460B	229
IE703E	703
IE-850	103A
IF-65	102A
IF AMP	OBS-NLA
IFSI-3122P	1936
IG000099	74C04
IG0009	1096
IG00013	1090§
IG00016	941
IG00018	7400
IG00027	7473
IG00032	7491
IG00036	902
IG00043	74164
IG00044	1135
IG00049	4001B
IG00051	4006B
IG00056	4013B
IG00058	4015B
IG00059	4016B
IG00067	4025B
IG00082	4049
IG00084	4051B
IG00101	4035B
IG00114	9200
IG00117	4001B
IG00118	4013B
IG00120	4081B
IG00134	1154
IG00139	778A
IG00144	4071B
IG00162	975
IG00163	930
IG00169	4016B
IG00172	4069
IG00173	4073B
IG00174	4050B
IG00176	4081B
IG00177	4051B
IG00178	4007
IG00179	4030B
IG00185	74S04
IG00710	4019B
IG-100	105
IGL78M05	960
IGL78M08	962
IGLA3150	1459
IGLA6324	987
IGLA6458DF	778A
IGLB1290	2021
IGLB1649	1774
IGLC4011B	4011B
IGLC4013B	4013B
IGLC4069UB	4069
IGLC4081B	4081B
IGSTK5322	1318
IGSTK5431ST	1733
IGSTK5466	1821
IGSTK5471	1822
IGSTK6962	1748
IGSTK6972	1825
IHHA11711	1591
IHHA11714	1600
IHHA11715	1554
IHHA11749	1686
IJJ-NJM4558D	778A
IJJ-NJM4558D-D	778A
IJJ-NJM4558D-E	778A
IJJ-NJM4558DX	778A
IJNJM4558DM	778A
IKK-HA1151	12378
IKK-HA11225	1488
IKK-HD74LS138	74LS138
IL-1	3041
IL1	3041
IL-5	3042
IL5	3042
IL12	3042
IL-12	3042
IL-74	3084
IL201	3041
IL-201	3041
IL202	3041
IL-202	3041
IL209	3007
IL211	3010
IL-211	3010
IL214	3009
IL-214	3009
IL216	3008
IL-216	3008
IL-250	3089
IL-501	3041
IL501	3041
IL505	3041
IL-505	3041
IL-512	3041
IL512	3041
IL-530	3084◆
IL530	3084◆
IL-555	3083◆
IL555	3083◆
IL709S	909D
ILA30	3084
ILA-30	3084
ILA55	3083
ILA-55	3083
ILA7621	1771
ILCA2-30	3084◆
ILCA2-55	3083◆
ILCA230	3084◆
ILCA255	3083◆
IL-CT6	3086
ILD-1	3086
ILD-74	3086
ILD74	3086
ILD-506	3086
ILD615	3220◆
ILD615-1	3220◆
ILD615-2	3220◆
ILD615-3	3220◆
ILD621	3220◆
ILD621GB	3220◆
ILD1020	1012
ILQ615	3221◆
ILQ615-1	3221◆
ILQ615-2	3221◆
ILQ615-3	3221◆
ILQ621	3221◆
ILQ621GB	3221◆
IM2114-3	2114
IM2114-3C	2114
IM2114-3CPN	2114
IM2114C	2114
IM2114CP	2114
IM2114CPN	2114
IM2147	2147
IM2147-3	2147
IM2147D	2147
IM2147D-3	2147
IM2147P	2147
IM2147P-3	2147
IM4116-3	2117
IM4116-3CDE	2117
IM4116-3CJE	2117
IM4116-3CPE	2117
IM4116-4	2117
IM4116-4CDE	2117
IM4116-4CJE	2117
IM4116-4CPE	2117
IM5600A	74S188
IM5600CDE	74S188
IM5600CJE	74S188
IM5600CPE	74S188
IM5603	74S387
IM5603CDE	74S387
IM5603CJE	74S387
IM5603CPE	74S387
IM5604	74S570
IM5604CDE	74S570
IM5604CJE	74S570
IM5604CPE	74S570
IM5605	74S475
IM5605CDG	74S475
IM5605CJG	74S475
IM5606	74S572
IM5606CDN	74S572
IM5606CJN	74S572
IM5610	74S288
IM5610CDE	74S288
IM5610CJE	74S288
IM5610CPE	74S288
IM5623	74S287
IM5623CDE	74S287
IM5623CJE	74S287
IM5623CPE	74S287
IM5624	74S571
IM5624CDE	74S571
IM5624CJE	74S571
IM5624CPE	74S571
IM5625	74S474
IM5625CDG	74S474
IM5625CJG	74S474
IM5626	74S573
IM5626CDN	74S573
IM5626CJN	74S573
IM6508	6508
IM6508-1	6508
IM6508D	6508
IM6508D-1	6508
IM6508J	6508
IM6508J-1	6508
IM6508P	6508
IM6508P-1	6508
IM7027-3	2104
IM7027-3CJE	2104
IM7027-4	2104
IM7027-4CJE	2104
IMAN262	1263
IMC1358P	712
IMDN6838	1705
IMR330	5966
IMR330R	5967
IMR5040	5826
IMR5040R	5827
IMR5080	5828
IMR5080R	5829§
IN34	109
IN60-1	109
IN752	5011A
IN752A	5011A
IN1184	5986
IN2979BR	5191AK
IN3314B	5257A
IN4051	6356
IN4751A	5084A
IN4764A	5096A
IN5257B	5036A
IN5338B	5116A
INC61684	507
INJ60284	109
INJ61224	110MP
INJ61225	137A
INJ61227	116(2)
INJ61433	177
INJ61675	109
INJ61677	177
INJ61725	177
INJ61726	116
INMPC1363C	1409
INMPC1373H	1714S
INMPC1373HA	1714S
INMPC1513HA	1787
INMPD4011BC	4011B
INMPD4013BC	4013B
INMPD4066BC	4066B
INMPD4081C	4081B
INMPD4093BC	4093B
INS82LS05N	74LS138
INS8080A	8080A
INS8080AN	8080A
INS8212	8212
INS8212N	8212
INS8216	8216
INS8216N	8216
INS8224	8224
INS8224N	8224
INS8228	8228
INS8228J	8228
INS8228N	8228

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
INS8255	8255
INS8255J	8255
INS8255N	8255
INTRON-108	128
INTRON-127	175
INUPC1373H	1714S
INUPD4013BC	4013B
INUPD4066BC	4066B
INUPD4081C	4081B
INUPD4093BC	4093B
IO5DE86540	7058
IOH(Okidata)	595
IP20-0001	123A
IP20-0002	123AP
IP20-0003	123A
IP20-0004	195A
IP20-0004(DRIVER)	195A
IP20-0005	237
IP20-0006	123A
IP20-0007	152
IP20-0008	103A
IP20-0009	159
IP20-0010	312
IP20-0011	312
IP20-0012	312
IP20-0014	1102
IP20-0015	109
IP20-0016	109
IP20-0018	177
IP20-0019	139A
IP20-0020	109
IP20-0021	519
IP20-0022	116
IP20-0023	177
IP20-0024	116
IP20-0025	116
IP20-0026	125
IP20-0027	138A
IP20-0028	390
IP20-0029	123A
IP20-0032	123A
IP20-0033	300
IP20-0034	199
IP20-0035	312
IP20-0036	152
IP20-0037	229
IP20-0038	229
IP20-0039	123A
IP20-0040	123A
IP20-0041	289A
IP20-0046	290A
IP20-0048	195A
IP20-0054	116
IP20-0060	109
IP-20-0060	109
IP20-0061	519
IP20-0062	5070A
IP20-0065	229
IP20-0068	7473
IP20-0076	103A
IP20-0078	312
IP20-0083	235
IP20-0086	135A
IP20-0088	233
IP20-0089	316
IP20-0091	123A
IP20-0093	1104
IP20-0094	712
IP20-0095	1097
IP20-0097	7401
IP20-0098	177
IP20-03-5	312
IP20-0103	295
IP20-0105	123A
IP20-0106	278
IP20-0110	229
IP20-0112	298
IP20-0114	278
IP20-0118	109
IP20-0120	601
IP20-0122	123A
IP-20-0123	299§
IP20-0123	299§
IP20-0131	299§
IP20-0132	295
IP20-0135	235
IP-20-0135	236
IP20-0139	5010A
IP20-0141	1100
IP20-0142	1103
IP20-0144	220
IP20-0145	177
IP20-0148	152
IP20-0149	128
IP20-0150	129
IP20-0151	614
IP20-0154	236
IP20-0155	235
IP20-0156	295
IP20-0157	222
IP20-0159	159
IP20-0160	103A
IP20-0161	1155
IP20-0162	312
IP20-0164	156
IP20-0165	289A
IP20-0167	116
IP20-0170	123A
IP20-0171	229
IP20-0172	300
IP20-0173	312
IP20-0174	703
IP-20-0179	233
IP20-0179	289A
IP-20-0184	519
IP20-0184	177
IP20-0185	612
IP-20-0185	612
IP20-0186	5071A
IP-20-0186	5071A
IP-20-0191	289A
IP20-0191	289A
IP-20-0192	290A
IP20-0192	290A
IP20-0197	290A
IP20-0203	5070A
IP20-0204	611
IP20-0205	7400
IP20-0206	7474
IP20-0207	7493A
IP20-0208	74H22
IP20-0209	74161
IP20-0210	974
IP20-0211	298
IP20-0212	175
IP20-0213	290A
IP20-0214	293
IP20-0216	519
IP20-0217	129
IP20-0218	222
IP20-0220	988
IP20-0230	184
IP-20-0230	184
IP-20-0231	289A
IP20-0231	289A
IP-20-0233	140A
IP20-0233	140A
IP-20-0244	600
IP20-0245	199
IP20-0253	988
IP20-0258	229
IP20-0262	236
IP20-0264	312
IP20-0274	519
IP20-0281	1240
IP20-0282	519
IP20-0283	109
IP20-0284	137A
IP20-0305	312
IP20-0306	123A
IP20-0310	7401
IP20-0316	7474
IP20-0317	1261§
IP20-0320	293
IP20-0321	235
IP20-0322	236
IP20-0323	152
IP20-0331	229
IP20-0332	123A
IP20-0333	1248
IP20-0336	293
IP20-0339	107
IP20-0342	611
IP20-0344	1260§
IP20-0345	234
IP20-0346	123A
IP20-0347	123A
IP20-0348	229
IP20-0349	295
IP20-0350	236
IP20-0351	977
IP20-0422	519
IP20-0429	1192
IP20-0430	778A
IP20-0432	312
IP20-0434	199
IP20-0435	152
IP20-0436	123AP
IP20-0437	123AP
IP20-0438	236
IP20-0439	156
IP20-0440	116
IP20-0441	519
IP20-0442	519
IP20-0443	612
IP20-0444	116
IP20-0445	605A
IP20-0446	5015A
IP20-0191	289A
IP20-2063	235
IP100	5400
IP101	5401
IP102	5402
IP103	5404
IP104	5404
IP105	5405
IP106	5405
IP640	1234
IP8255A-5	8255
IR1D	116
IR1F	506
IR2A	116
IR2E	116
IR3D	506
IR3F02	891M◆
IR3F02N	891SM◆
IR3IC	5545
IR3M02	1729
IR3N05	832
IR3N06	853
IR3N0P	832
IR3P04	1671
IR5BZ41	125
IR5BZ61	125
IR5DU41	588
IR5GU41	576◆
IR5GZ61	125
IR5JA	109
IR5JU41	577
IR5JZ41	125
IR5LC10P04Q	6085
IR5LZ41	125
IR5NU41	577
IR5NZ41	125
IR10	5454
IR10D	177
IR10D3L	506
IR10E6J	116
IR10E6X	519
IR16MQ30A	6084
IR20	116
IR20(SCR)	5455
IR-28-R/508	910D
IR30	5457
IR30C	5545
IR30D	5545
IR30DF	580
IR106A1	5454
IR106A1-C	5454
IR106A2	5454
IR106A3	5454
IR106A4	5454
IR106A41	5454
IR106B1	5455
IR106B1-C	5455
IR106B2	5455
IR106B3	5455
IR106B4	5455
IR106B41	5455
IR106C1	5457
IR106C1-C	5457
IR106C2	5457
IR106C3	5457
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IT66HA	5645
IT66HX	5645
IT66SH	5645
IT68	5645
IT68A	5645
IT68AB	5645
IT68C	5645
IT68HA	5645
IT68HX	5645
IT68SH	5645
IT76	56010#
IT78	56010#
IT86	56010#
IT88	56010#
IT100T092	326
IT108	312
IT110	5645
IT110A	5645
IT110AB	5645
IT110C	5645
IT110HA	5645
IT110HX	5645
IT110SH	5645
IT115	56004#
IT210	5645
IT210A	5645
IT210AB	5645
IT210C	5645
IT210HA	5645
IT210HX	5645
IT210SH	5645
IT215	56004#
IT261	109
IT310	5645
IT310A	5645
IT310AB	5645
IT310C	5645
IT310HA	5645
IT310HX	5645
IT310SH	5645
IT315	56006#
IT410	5645
IT410A	5645
IT410AB	5645
IT410C	5645
IT410HA	5645
IT410HX	5645
IT410SH	5645
IT415	56006#
IT510	5645
IT510A	5645
IT510AB	5645
IT510C	5645
IT510HA	5645
IT510HX	5645
IT510SH	5645
IT515	56008#
IT610	5645
IT610A	5645
IT610AB	5645
IT610C	5645
IT610HA	5645
IT610HX	5645
IT610SH	5645
IT615	56008#
IT710	56010#
IT715	56010#
IT810	56010#
IT815	56010#
IT4640	3071
IT6800ME	6800
IT6802ME	6802
IT6810ME	6810
IT6821ME	6821
IT6850ME	6850
IT6875ME	6875
IT6880ME	6880
IT6889ME	6889
IT75188ME	75188
IT75189ME	75189
ITA7176AP	1236
ITA7607AP	1545
ITA7608CP5	1532
ITA7609P2	1149
ITC3510	3054
ITC3520	3063
ITC3540	3058
ITC-3540	3058
ITC3610	3053
ITC3620	3062
ITC3640	3058
ITC3710	3052
ITC3720	3061
ITC3730	3065
ITC3740	3056
ITC3810	3055
ITC3820	3064
ITC3840	3060
ITC4610	3070
ITC4710	3068
ITC4740	3069
ITC6710	3074
ITC6730	3076
ITC6740	3075
ITC6750	3077
ITC6760	3078
ITC6780	3079
ITE3066	457
ITE3067	457
ITE4339	457
ITE4340	457
ITE4391	467
ITH61	125
ITR-76	152
ITT-2SK30A-O	459
ITT33	519
ITT44	519
ITT73	5809
ITT-73	519
ITT73C	519
ITT-73N	519
ITT73N	519
ITT74H00N	74H00
ITT74H01N	74H01
ITT74H04N	74H04
ITT74H05N	74H05
ITT74H10N	74H10
ITT74H11N	74H11
ITT74H20N	74H20
ITT74H21N	74H21
ITT74H30N	74H30
ITT74H40N	74H40
ITT74H50N	74H50
ITT74H51N	74H51
ITT74H53N	74H53
ITT74H54N	74H54
ITT74H60N	74H60
ITT74H72N	74H72
ITT74H73N	74H73
ITT74H74N	74H74
ITT74H76N	74H76
ITT74LS00	74LS00
ITT74LS01	74LS01
ITT74LS01J	74LS01
ITT74LS01N	74LS01
ITT74LS02	74LS02
ITT74LS04	74LS04
ITT74LS08	74LS08
ITT74LS10	74LS10
ITT74LS11	74LS11
ITT74LS13	74LS13
ITT74LS13J	74LS13
ITT74LS13N	74LS13
ITT74LS14	74LS14
ITT74LS15	74LS15
ITT74LS15J	74LS15
ITT74LS15N	74LS15
ITT74LS21	74LS21
ITT74LS21J	74LS21
ITT74LS21N	74LS21
ITT74LS22	74LS22
ITT74LS22J	74LS22
ITT74LS22N	74LS22
ITT74LS27	74LS27
ITT74LS30	74LS30
ITT74LS32	74LS32
ITT74LS37	74LS37
ITT74LS37J	74LS37
ITT74LS37N	74LS37
ITT74LS38	74LS38
ITT74LS40	74LS40
ITT74LS40J	74LS40
ITT74LS40N	74LS40
ITT74LS51	74LS51
ITT74LS54	74LS54
ITT74LS54J	74LS54
ITT74LS54N	74LS54
ITT74LS73	74LS73
ITT74LS74	74LS74A
ITT74LS75	74LS75
ITT74LS76	74LS76A
ITT74LS76J	74LS76A
ITT74LS76N	74LS76A
ITT74LS86	74LS86
ITT74LS90	74LS90
ITT74LS90J	74LS90
ITT74LS90N	74LS90
ITT74LS93	74LS93
ITT74LS107	74LS107
ITT74LS109	74LS109A
ITT74LS112	74LS112A
ITT74LS112J	74LS112A
ITT74LS112N	74LS112A
ITT74LS123	74LS123
ITT74LS125	74LS125A
ITT74LS125J	74LS125A
ITT74LS125N	74LS125A
ITT74LS132	74LS132
ITT74LS132J	74LS132
ITT74LS132N	74LS132
ITT74LS138	74LS138
ITT74LS139	74LS139
ITT74LS139J	74LS139
ITT74LS139N	74LS139
ITT74LS151	74LS151
ITT74LS155	74LS155
ITT74LS155J	74LS155
ITT74LS155N	74LS155
ITT74LS157	74LS157
ITT74LS160A	74LS160A
ITT74LS160AJ	74LS160A
ITT74LS160AN	74LS160A
ITT74LS161	74LS161A
ITT74LS162A	74LS162A
ITT74LS162AJ	74LS162A
ITT74LS162AN	74LS162A
ITT74LS163	74LS163A
ITT74LS164	74LS164
ITT74LS170	74LS170
ITT74LS170J	74LS170
ITT74LS170N	74LS170
ITT74LS174	74LS174
ITT74LS175	74LS175
ITT74LS190	74LS190
ITT74LS190J	74LS190
ITT74LS190N	74LS190
ITT74LS191	74LS191
ITT74LS192	74LS192
ITT74LS192J	74LS192
ITT74LS192N	74LS192
ITT74LS193	74LS193
ITT74LS195	74LS195A
ITT74LS221	74LS221
ITT74LS253	74LS253
ITT74LS257	74LS257
ITT74LS258	74LS258
ITT74LS258J	74LS258
ITT74LS258N	74LS258
ITT74LS279	74LS279
ITT74LS279J	74LS279
ITT74LS279N	74LS279
ITT74LS366A	74LS366A
ITT74LS366AJ	74LS366A
ITT74LS367	74LS367
ITT74LS368	74LS368
ITT74LS368J	74LS368
ITT74LS368N	74LS368
ITT74LS670	74LS670
ITT74LS670J	74LS670
ITT74LS670N	74LS670
ITT102	109
ITT142(Zenith)	177
ITT181-1	177
ITT200	519
ITT210	611
ITT214-335(Zenith)	177
ITT301	109
ITT301-5	9301
ITT301-5D	9301
ITT301-5N	9301
ITT301H-5	9301
ITT301H-5D	9301
ITT301H-5N	9301
ITT302-5	9302
ITT302-5D	9302
ITT302-5N	9302
ITT302H-5	9302
ITT302H-5D	9302
ITT302H-5N	9302
ITT303-5	9303
ITT303-5D	9303
ITT303-5N	9303
ITT303H-5	9303
ITT303H-5D	9303
ITT303H-5N	9303
ITT310	613
ITT-310	613
ITT310G	613
ITT310PC	613
ITT310PD	613
ITT-310S	613
ITT310S	613
ITT310Y	613
ITT311-5	9311
ITT311-5D	9311
ITT311-5N	9311
ITT311H-5	9311
ITT311H-5D	9311
ITT311H-5N	9311
ITT312-5	9312
ITT312-5D	9312
ITT312-5N	9312
ITT312H-5	9312
ITT312H-5D	9312
ITT312H-5N	9312
ITT321-5	9321
ITT321-5D	9321
ITT321-5N	9321
ITT321H-5	9321
ITT321H-5D	9321
ITT321H-5N	9321
ITT322-5	9322
ITT322-5D	9322
ITT322-5N	9322
ITT322H-5	9322
ITT322H-5D	9322
ITT322H-5N	9322
ITT323-5	9323
ITT323-5D	9323
ITT323-5N	9323
ITT323H-5	9323
ITT323H-5D	9323
ITT323H-5N	9323
ITT324-5	9324
ITT324-5D	9324
ITT324-5N	9324
ITT324H-5	9324
ITT324H-5D	9324
ITT324H-5N	9324
ITT325-5	9325
ITT325-5D	9325
ITT325-5N	9325
ITT325H-5	9325
ITT325H-5D	9325
ITT325H-5N	9325
ITT326-5	9326
ITT326-5D	9326
ITT326-5N	9326
ITT326H-5	9326
ITT326H-5D	9326
ITT326H-5N	9326
ITT331-5	9331
ITT331-5D	9331
ITT331-5N	9331
ITT331H-5	9331
ITT331H-5D	9331
ITT331H-5N	9331
ITT332-5	9332
ITT332-5D	9332
ITT332-5N	9332
ITT332H-5	9332
ITT332H-5D	9332
ITT332H-5N	9332
ITT333-5	9333
ITT333-5D	9333
ITT333-5N	9333
ITT333H-5	9333
ITT333H-5D	9333
ITT333H-5N	9333
ITT334-5	9334§
ITT334-5D	9334§
ITT334-5N	9334§
ITT334H-5	9334§
ITT334H-5D	9334§
ITT334H-5N	9334§
ITT335-5	9335
ITT335-5D	9335
ITT335-5N	9335
ITT335-142(Zenith)	177
ITT335H-5	9335
ITT335H-5D	9335
ITT335H-5N	9335
ITT338-142(Zenith)	177
ITT342-5	9342
ITT342-5D	9342
ITT342-5N	9342
ITT342H-5	9342
ITT342H-5D	9342
ITT342H-5N	9342
ITT343-5	9343
ITT343-5D	9343
ITT343-5N	9343
ITT343H-5	9343
ITT343H-5D	9343
ITT343H-5N	9343
ITT350	116
ITT361-5	9361
ITT361-5D	9361
ITT361-5N	9361
ITT361H-5	9361
ITT361H-5D	9361
ITT361H-5N	9361
ITT362-5	9362§
ITT362-5D	9362§
ITT362-5N	9362§
ITT362H-5	9362§
ITT362H-5D	9362§
ITT362H-5N	9362§
ITT370-5	9370
ITT370-5D	9370
ITT370-5N	9370
ITT370H-5	9370
ITT370H-5D	9370
ITT370H-5N	9370
ITT371-5	9371
ITT371-5D	9371
ITT371-5N	9371
ITT371H-5	9371
ITT371H-5D	9371
ITT371H-5N	9371
ITT372-5	9372
ITT372-5D	9372
ITT372-5N	9372
ITT372H-5	9372
ITT372H-5D	9372
ITT372H-5N	9372
ITT380-5	9380
ITT380-5D	9380
ITT380-5N	9380
ITT380H-5	9380
ITT380H-5D	9380
ITT380H-5N	9380
ITT381-5	9381
ITT381-5D	9381
ITT381-5N	9381
ITT381H-5	9381
ITT381H-5D	9381
ITT381H-5N	9381
ITT402	116
ITT-410	612
ITT410	614
ITT410AB	614
ITT410ST	614
ITT413	177
ITT417(Zenith)	142A
ITT491	75491B
ITT491N	75491B
ITT492	75492B§
ITT492N	75492B§
ITT493	75493
ITT493N	75493
ITT494	75494
ITT494N	75494
ITT497N	75497
ITT500	75492B§
ITT500-5D	75492B§
ITT500-5P	75492B§
ITT501	75491B
ITT501-5D	75491B
ITT501-5M	75491B
ITT501-5P	75491B
ITT552	2011
ITT554	2012
ITT556	2013
ITT558	2014
ITT600	519
ITT601	519
ITT652	2011
ITT654	2012
ITT656	2013
ITT658	2014
ITT699(Zenith)	159
ITT709-5(DIP)	909D
ITT709-5(Metal Can)	909
ITT709(D.I.P.)	909D
ITT709(Metal Can)	909
ITT710-5(DIP)	910D
ITT710-5(Metal Can)	910
ITT710(D.I.P.)	910D
ITT710(Metal Can)	910
ITT711-5(D.I.P.)	911D§
ITT711-5(Metal Can)	911
ITT711(D.I.P.)	911D§
ITT711(Metal Can)	911
ITT718	109
ITT723-5(DIP)	923D
ITT723-5(Metal Can)	923
ITT723(D.I.P.)	923D
ITT723(Metal Can)	923
ITT741-5(D.I.P.)	941D
ITT741-5(Metal Can)	941
ITT741-5C	941
ITT741-5D	941D
ITT741-5P	941D
ITT741(D.I.P.)	941D
ITT741(Metal Can)	941
ITT895(Zenith)	123AP
ITT920	519
ITT921	519
ITT930-5	9930
ITT930N	9930
ITT932-5	9932
ITT932N	9932
ITT933-5	9933
ITT933N	9933
ITT935-5	9935
ITT935N	9935
ITT936-5	9936
ITT936-5D	9936
ITT936N	9936
ITT937-5	9937
ITT937N	9937
ITT941-5	9941
ITT941N	9941
ITT944-5	9944
ITT944N	9944
ITT945-5	9945
ITT945N	9945
ITT946-5	9946
ITT946-5D	9946
ITT946N	9946
ITT948-5	9948
ITT948N	9948
ITT949-5	9949
ITT949N	9949
ITT951-5	9951
ITT951N	9951
ITT961-5	9961
ITT961N	9961
ITT962-5	9962
ITT962N	9962
ITT963-5	9963
ITT963N	9963
ITT973(Zenith)	159
ITT975(Zenith)	123AP
ITT992	116
ITT1800-5	9800
ITT1800N	9800
ITT1801N	9801
ITT1806-5	9806
ITT1806N	9806
ITT1807-5	9806
ITT1807N	9807
ITT1808-5	9808
ITT1808N	9808
ITT1809-5	9809
ITT1809N	9809
ITT1810-5	9810
ITT1810N	9810
ITT1811-5	9811
ITT1811N	9811
ITT3064(D.I.P.)	783§
ITT3064(Metal Can)	780
ITT3638A	159
ITT3638A632	159
ITT4027D-3	2104
ITT4027D-4	2104
ITT4027D-6	2104
ITT4027N-3	2104
ITT4027N-4	2104
ITT4027N-6	2104
ITT4116-3	2117
ITT4116-4	2117
ITT4116D-3	2117
ITT4116D-4	2117
ITT4116N-3	2117
ITT4116N-4	2117
ITT7215	177
ITT7400N	7400
ITT7401N	7401
ITT7402N	7402
ITT7403N	7403
ITT7404N	7404
ITT7405N	7405
ITT7406N	7406
ITT7407N	7407
ITT7408N	7408
ITT7409N	7409
ITT7410N	7410
ITT7411N	7411
ITT7412N	7412
ITT7413N	7413
ITT7416N	7416
ITT7417N	7417
ITT7420N	7420
ITT7421N	7421
ITT7425N	7425
ITT7426N	7426
ITT7428	7428
ITT7428N	7428
ITT7430N	7430
ITT7432N	7432
ITT7433	7433
ITT7433N	7433
ITT7437N	7437
ITT7438N	7438
ITT7440N	7440
ITT7442N	7442
ITT7443N	7443
ITT7444N	7444
ITT7445N	7445
ITT7446AN	7446
ITT7447AN	7447
ITT7448N	7448
ITT7450N	7450
ITT7451N	7451
ITT7453N	7453
ITT7454N	7454
ITT7460N	7460
ITT7470N	7470
ITT7472N	7472
ITT7473N	7473
ITT7475J	7475
ITT7475N	7475
ITT7476N	7476§
ITT7480N	7480
ITT7482N	7482
ITT7483N	7483
ITT7486N	7486
ITT7490N	7490
ITT7491AN	7491
ITT7492N	7492
ITT7493N	7493A
ITT7494N	7494
ITT7495AN	7495
ITT7496N	7496
ITT9093-5	9093
ITT9093N	9093
ITT9094-5	9094
ITT9094N	9094
ITT9097-5	9097
ITT9097N	9097
ITT9099-5	9099
ITT9099N	9099

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ITT9308-1D	8308◆
ITT9308-1P	8308◆
ITT9308-5D	8308
ITT9308-5P	8308
ITT9316-1D	8316◆
ITT9316-1P	8316◆
ITT9316-5D	8316
ITT9316-5P	8316
ITT9601-1D	9601◆
ITT9601-1P	9601◆
ITT9601-5D	9601
ITT9601-5P	9601
ITT9602-1D	9602◆
ITT9602-1P	9602◆
ITT9602-5D	9602
ITT9602-5P	9602
ITT9615-1D	9615◆
ITT9615-1P	9615◆
ITT9615-5D	9615
ITT9615-5P	9615
ITT74107N	74107
ITT74109	74109
ITT74109N	74109
ITT74121N	74121
ITT74122N	74122
ITT74123N	74123
ITT74141N	74141
ITT74145N	74145
ITT74150N	74150
ITT74151N	74151
ITT74152N	74152
ITT74153N	74153
ITT74154N	74154
ITT74155N	74155
ITT74156N	74156
ITT74160N	74160
ITT74161N	74161
ITT74162N	74162
ITT74163N	74163
ITT74164N	74164
ITT74165N	74165
ITT74174N	74174
ITT74175N	74175
ITT74180N	74180
ITT74181N	74181
ITT74182N	74182
ITT74190N	74190
ITT74191N	74191
ITT74192N	74192
ITT74193N	74193
ITT74195N	74195
ITT75450N	75450B
ITT75451N	75451B
ITT75452N	75452B
ITT75453N	75453B
ITT75454N	75454B
ITT330419(Zenith)	177
ITTA75902P	987
ITTBAV18	519
ITTBAV19	519
ITTC4027B	4027B
ITTC4030BP	4030B
ITTC4049BP	4049
ITTC4052BP	4052B
ITTC5012BP	40097B
ITT-MPC566H	1052
ITT-TA7120P	1087
ITT-TC4011BP	4011B
ITT-TC4049BP	4049
ITT-TC4066P	4066B
ITTWG713	177
IUU-LM1011N	2003
IV-55	3004
IV55	3004
IV5053	3020
IV5054-2	3025
IV5153	3023
IV-5253	3024
IV5253	3024
IV5353	3021
IV5374	3011
IV-5374	3011
IV-5753	3022
IV5753	3022
IVN5201CNH	66
IVN6200CNF	66
IVN6200CNH	66
IVN6200CNS	67
IW01-09J	5074A
IX0037CE	615A
IX0054CE	1140
IX0065CE	1550
IX0069CE	4001B
IX0087TA	1515
IX0137	1751
IX0137CE	1751
IX0137CEZZ	1751
IX0178CE	1416
IX0212CE	1671
IX0213CE	1616
IX0214CE	1576
IX0223CE	1572§
IX0224CE	1570
IX0225CE	1377
IX0238CE	1676
IX0243CE	1539
IX0252CE	1413
IX0260CE	1658
IX0275CE	1572§
IX0276CE	1570
IX0325C	1870◆
IX0416CE	1792
IX0450CE	1835
IX0450CEZZ	1835
IX0487CE	1794
IX0488CE	1217
IX0499CE	1795
IX0600CE	1790
IX0633CE	7014
IX0638CE	960
IX0943CE	1798
IX0948CE	1782
IX1077CE	7058
IX1078CE	7065
IX1112CE	1874◆
IX1190CE	7010
IX1705CE	7054
IX1712CE	7010
IX1712CEZZ	7010
IX8055-379005N	519
IXTH12N50A	2394#
IXTM12N50A	2394◆
IYBA5102AALC	1558
IYBA6304A	1679
IYY-BA301	1135
IZ9.1	139A
J005	5322
J01	5322◆
J02	5322◆
J04	5324◆
J05	156
J05G	156
J06	5326◆
J03025	366
J03030	367
J03040	367
J03055	368
J04070	352
J04075	352
J1	156
J1G	156
J2	156
J2G	156
J3	125
J4	156
J4-1000	7400
J4-1002	7402
J4-1004	7404
J4-1010	7410
J4-1047	7447
J4-1075	7475
J4-1076	7476§
J4-1090	7490
J4-1092	7492
J4-1121	74121
J4-1555	955M
J4A3	6354
J4A3R	6355
J4B3	6354
J4B3R	6355
J4C3	6354
J4C3R	6355
J4D3	6354
J4D3R	6355
J4E3	6354
J4E3R	6355
J4F3	6354
J4F3R	6355
J4G	156
J4G3	6354
J4G3R	6355
J4H3	6356
J4H3R	6357
J4K3	6356
J4K3R	6357
J4M3	6358
J4M3R	6359
J4N3	6358
J4N3R	6359
J5A3	6354
J5A3R	6355
J5B3	6354
J5B3R	6355
J5C3	6354
J5C3R	6355
J5D3	6354
J5D3R	6355
J5E3	6354
J5E3R	6355
J5F3	6354
J5F3R	6355
J5G3	6354
J5G3R	6355
J5H3	6356
J5H3R	6357
J5K3	6356
J5K3R	6357
J5M3	6358
J5M3R	6359
J5N3	6358
J5N3R	6359
J5P3	6358
J5P3R	6359
J5R3	6362
J5R3R	6363
J6	156
J6A3	6354
J6A3R	6355
J6B3	6354
J6B3R	6355
J6C3	6354
J6C3R	6355
J6D3	6354
J6D3R	6355
J6E3	6354
J6E3R	6355
J6F3	6354
J6F3R	6355
J6G3	6354
J6G3R	6355
J6H3	6356
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K37(2 Gate)	312
K39(2 Gate)	222
K39E(2 Gate)	222
K39P2(2 Gate)	222
K39P(2 Gate)	222
K39Q(2 Gate)	222
K39R(2 Gate)	222
K40-3(SGD)	459
K40(2 Gate)	221
K40(SGD)	459
K40A(SGD)	459
K40B(SGD)	459
K40C(SGD)	459
K40D(SGD)	459
K40I(2 Gate)	222
K40K(2 Gate)	222
K40L(2 Gate)	222
K40M(2 Gate)	222
K40ML(2 Gate)	222
K40-OR(SGD)	459
K41(GSD)	451
K41(L)(2 Gate)	221
K41(L)(GSD)	451
K41C(2 Gate)	221
K41D(GSD)	451
K41E(GSD)	451
K41F(GSD)	451
K41L(2 Gate)	221
K41L(GSD)	451
K41M(2 Gate)	221
K41M(GSD)	451
K42	312
K42-2	312
K42CM1	312
K44(2 Gate)	222
K44(SGD)	457
K44BL(2 Gate)	222
K44C(SGD)	457
K44D(SGD)	457
K44R(2 Gate)	222
K44W(2 Gate)	222
K45	456
K45(2 Gate)	454§
K45B-09(2 Gate)	454§
K45B09(2 Gate)	454§
K45B(2 Gate)	454§
K45-B(2 Gate)	454§
K45F	456◆
K45H	456
K47(2 Gate)	454§
K47(SGD)	457
K47M(2 Gate)	454§
K47M(SGD)	457
K49	312
K49-0F(GSD)	451
K49(2 Gate)	222
K49E2(GSD)	451
K49E(GSD)	451
K49F(GSD)	451
K49H1(GSD)	451
K49H2(GSD)	451
K49H(GSD)	451
K49HI(GSD)	451
K49HK(1 Gate)	312
K49I(1 Gate)	312
K49M(1 Gate)	312
K49P(2 Gate)	222
K49Q(2 Gate)	222
K49Q(GSD)	451
K49R(2 Gate)	222
K51(2 Gate)	455
K52	109
K54	451
K54B	451
K55(DSG)	312
K55C(DSG)	312
K55D(DSG)	312
K55DE(DSG)	312
K55E(DSG)	312
K55R(DSG)	312
K56(5mmMOV)	1V035
K59(2 Gate)	222
K59(SGD)	458
K59B(SGD)	458
K59BL(2 Gate)	222
K59GR1(2Gate)	222
K59GR2(2 Gate)	222
K59GR(2 Gate)	222
K59Y(2 Gate)	222
K60	109
K60(2 Gate)	454§
K61	451
K61(2 Gate)	454§
K61GR	451
K61Y	451
K66	459
K66Q	459
K68	458
K68A	458
K68AK	458
K68AL	458
K68AM	458
K68K	458
K68L	458
K68M	458
K70(2 Gate)	454§
K72P	455
K72Q	455◆
K74(2 Gate)	455
K74M(2 Gate)	455
K80(2 Gate)	455
K81	455◆
K82(5mmMOV)	1V050
K83(2 GATE)	455
K83(GSD)	451
K84(DGS)	459
K87	459
K87H	459
K88(2 Gate)	455
K88A(2 Gate)	455
K88AK(2 Gate)	455
K88AL(2 Gate)	455
K88K(2 Gate)	455
K88L(2 Gate)	455
K95(2 Gate)	455
K101(5mmMOV)	1V060
K101(7mmMOV)	1V060
K101(10mmMOV)	2V060
K101(14mmMOV)	2V060
K102(2 Gate)	455
K104	312
K104H	312
K105(DGS)	459
K105A-10(FET)	459
K105F(DGS)	459
K105H(DGS)	459
K105J(DGS)	459
K106	458
K106A	458
K106B	458
K106C	458
K107-2(SGD)	451
K107-3(SGD)	451
K107-4(SGD)	451
K107-5(SGD)	451
K107(SGD)	451
K112	113A
K112C	113A
K112D	114
K113	466◆
K113-O	466◆
K113-Y	466◆
K115J510-1	113A
K115J510-2	113A
K115J511-2	109
K117	458
K117GR	458
K117J460-1	113A
K117J460-2	113A
K117O	458
K117Y	458
K118(SGD)	458
K118I	129
K118J966-1	114
K118J966-2	115
K118J966-4	115
K118J9663	115
K119(SGD)	312
K119J804-5	177
K120Y	312
K121(5mmMOV)	1V075
K121(7mmMOV)	1V075
K121(10mmMOV)	2V075
K121(14mmMOV)	2V075
K121(SGD)	458
K121J688-1	107
K122	113A
K122C	113A
K122D	114
K122J176-1	118
K122J176-2	118
K122J177P1	119
K123A(2 Gate)	455
K123AK(2 Gate)	455
K123AL(2 Gate)	455
K127	458
K141	466
K141A	466
K151(5mmMOV)	1V095
K151(7mmMOV)	1V095
K151(10mmMOV)	2V095
K151(14mmMOV)	2V095
K161	451
K161GR	451
K161Y	451
K163K	458◆
K170	312
K170R	312
K186	459
K186B	459
K186C	459
K186D	459
K186E	459
K192(DSG)	312
K192GR(DSG)	312
K192Y(DSG)	312
K195(GSD)	451
K200	116
K201(5mmMOV)	1V130
K201(7mmMOV)	1V130
K201(10mmMOV)	2V130
K201(14mmMOV)	2V130
K201(20mmMOV)	524V13
K220(5mmMOV)	1V014
K220(7mmMOV)	1V014
K220(10mmMOV)	2V014
K220(14mmMOV)	2V014
K241(5mmMOV)	1V150
K241(7mmMOV)	1V150
K241(10mmMOV)	2V150
K241(14mmMOV)	2V150
K241(20mmMOV)	524V15
K259	2386
K260	2386
K270(5mmMOV)	1V017
K270(7mmMOV)	1V017
K270(10mmMOV)	2V017
K270(14mmMOV)	2V017
K271(20mm MOV)	524V17
K271(10mm MOV)	1V175
K271(14mm MOV)	524V17
K271(5mm MOV)	1V175
K271(7mm MOV)	1V175
K298(FET)	2393◆
K299(FET)	2393◆
K301P	459
K301Q	459
K301R	459
K310	67
K310(FET)	2391
K311(FET)	2391◆
K312(FET)	2394◆
K313(FET)	2394◆
K319(FET)	67
K320(FET)	2398
K324(FET)	2394◆
K325(FET)	2394◆
K330(5mmMOV)	1V020
K330(7mmMOV)	1V020
K330(10mmMOV)	2V020
K330(14mmMOV)	2V020
K346(FET)	2390
K349(FET)	2394
K350(FET)	2394
K355(FET)	2376◆
K362(FET)	458
K383(FET)	66
K385(FET)	2393◆
K386(FET)	2393◆
K387(FET)	2376
K390	221
K390(2 Gate)	221
K390(5mmMOV)	1V025
K390(7mmMOV)	1V025
K390(10mmMOV)	2V025
K390(14mmMOV)	2V025
K391(5mmMOV)	1V250
K391(7mmMOV)	1V250
K391(10mmMOV)	2V250
K391(14mmMOV)	2V250
K391(20mmMOV)	524V25
K399(FET)	2394◆
K400(FET)	2393◆
K402(FET)	2393
K403(FET)	2393
K405(FET)	2393◆
K412(FET)	2394
K413(FET)	2393◆
K414(FET)	2393◆
K417-68	126A
K428(FET)	66
K431(5mmMOV)	1V275
K431(7mmMOV)	1V275
K431(10mmMOV)	2V275
K431(14mmMOV)	2V275
K431(20mmMOV)	524V27
K459(FET)	2388
K470(5mmMOV)	1V030
K470(7mmMOV)	1V030
K470(10mmMOV)	2V030
K470(14mmMOV)	2V030
K471(5mmMOV)	1V300
K471(7mmMOV)	1V300
K471(10mmMOV)	2V300
K471(14mmMOV)	2V300
K471(20mmMOV)	524V30
K512(FET)	2394◆
K513(FET)	2387◆
K525(FET)	2388#
K527(FET)	2389#
K528(FET)	2391#
K529(FET)	2398#
K530(FET)	67#
K531(FET)	2398#
K532(FET)	2389#
K539(FET)	2377#
K549(FET)	2390
K550	312
K551(FET)	2388
K552(FET)	2398
K553(FET)	2398
K554(FET)	2385
K555(FET)	2385
K556(FET)	2394
K557(FET)	2394
K559(FET)	2394◆
K560(FET)	2394◆
K560(5mmMOV)	1V035
K560(7mmMOV)	1V035
K560(10mmMOV)	2V035
K560(14mmMOV)	2V035
K568(FET)	2393#
K573(FET)	2394◆
K583(DSG)	490
K591(FET)	2389#
K600(FET)	2389
K604(FET)	2377◆
K606(FET)	312
K606Q(FET)	312
K606R(FET)	312
K606S(FET)	312
K614(SDG)	490◆
K622(FET)	2376◆
K641(FET)	2394
K642(FET)	2394
K643(FET)	2394
K644(FET)	2394
K669(DSG)	490
K672(FET)	2390
K673(FET)	2389◆
K674(FET)	2389
K678(FET)	2394#
K680(5mmMOV)	1V040
K680(7mmMOV)	1V040
K680(10mmMOV)	2V040
K680(14mmMOV)	2V040
K681(10mmMOV)	2V420
K681(14mmMOV)	2V420
K681(20mmMOV)	524V42
K682(FET)	2394
K683(FET)	2394
K684(FET)	2377
K686(FET)	2390
K687(FET)	2390
K688(FET)	2389◆
K693(FET)	2394#
K694(FET)	2394#
K695(FET)	2377
K702(FET)	2382◆
K703(FET)	2382◆
K704(FET)	2390◆
K705(FET)	2390◆
K719(FET)	2377#
K723(FET)	2393
K724(FET)	2394
K725(FET)	2394◆
K727(FET)	2377
K733(FET)	2394◆
K735(FET)	2394
K737(FET)	66◆
K740(FET)	2388
K755(FET)	2388◆
K757(FET)	2388#
K760-0G	5312
K760-1G	5312
K760-2G	5313
K760-3G	5314
K760-4G	5314
K760-6G	5315
K760-8G	5316
K760-10G	5317
K761(FET)	2394◆
K762(FET)	2391
K763(FET)	67#
K763A(FET)	2398#
K764(FET)	2393◆
K764A(FET)	2393◆
K765(FET)	2393◆
K765A(FET)	2393◆
K766(FET)	2398#
K767(FET)	2385#
K768(FET)	2393◆
K769(FET)	2393◆
K770(FET)	2387#
K773(FET)	2394#
K776(FET)	2398
K777(FET)	2394
K781(10mmMOV)	2V480
K781(14mmMOV)	2V480
K781(20mmMOV)	524V48
K783(FET)	2394
K787(FET)	2377
K788(FET)	2394
K789(FET)	2394◆
K790(FET)	2394◆
K791(FET)	2387◆
K792(FET)	2399◆
K793(FET)	2377
K794(FET)	2377
K799(FET)	2394#
K804(FET)	2376#
K805(FET)	2376#
K806(FET)	2387#
K807(FET)	2377#
K809(FET)	2377#
K809A(FET)	2377#
K811(FET)	66◆
K812(FET)	2389◆
K813(FET)	2389◆
K817(FET)	2389◆
K818(FET)	2377
K818A(FET)	2377
K819(FET)	2394
K820(5mmMOV)	1V050
K820(7mmMOV)	1V050
K820(10mmMOV)	2V050
K820(14mmMOV)	2V050
K824(FET)	2394#
K825(FET)	2394◆
K826(FET)	2394◆
K828(FET)	2394#
K829(FET)	2394◆
K830(FET)	2394◆
K833(FET)	2377◆
K834(FET)	2377#
K850(FET)	2375
K851(FET)	2376
K852(FET)	2394◆
K854(FET)	2398
K855(FET)	2398
K856(FET)	2395
K859(FET)	2393
K867(FET)	2394◆
K867A(FET)	2394◆
K869(FET)	2394◆
K872(FET)	2377
K873(FET)	2394
K874(FET)	2394
K875(FET)	2394
K876(FET)	2394
K882	109
K889(FET)	2396
K890(FET)	2388◆
K893(FET)	2398
K894(FET)	2385◆
K895(FET)	2394◆
K896(FET)	2394◆
K897(FET)	2385◆
K900(FET)	2388◆
K903(FET)	2387#
K903M(FET)	2387#
K904(FET)	2387
K906(FET)	2375
K928(FET)	2398#
K929(FET)	2398#
K936(FET)	2395#
K946(FET)	2399#
K947(FET)	2388◆
K949(FET)	2385#
K949M(FET)	2385#
K950(FET)	2385
K951(FET)	2387#
K952(FET)	2387
K955(FET)	2377
K956(FET)	2377
K960(FET)	2399#
K960N(FET)	2399#
K961(FET)	2399
K962(FET)	2377
K987(FET)	2398#
K988(FET)	2385◆
K989(FET)	2394◆
K990(FET)	2394◆
K991(FET)	2382
K992(FET)	2382#
K993(FET)	2390
K994(FET)	2390#
K996(FET)	2387#
K1006(FET)	2398#
K1007(FET)	2398
K1008(FET)	2398
K1012(FET)	2393◆
K1013(FET)	2394◆
K1014(FET)	2394◆
K1016(FET)	2394◆
K1021(FET)	2387◆
K1023(FET)	2387
K1025(FET)	2395#
K1029(FET)	2394◆
K1030(FET)	2387#
K1032(FET)	2377
K1032A(FET)	2377
K1033B(1 GATE)	312
K1038(FET)	67#
K1039(FET)	2397#
K1044(FET)	2377#
K1045(FET)	2377#
K1049(FET)	2394◆
K1050(FET)	2394◆
K1050E	6417
K1064(FET)	2394◆
K1073(FET)	2387#
K1081(FET)	2377
K1082(FET)	2377
K1099(FET)	2394◆
K1100E	6418
K1102(FET)	2393◆
K1142(FET)	2387#
K1143(FET)	2399#
K1177(FET)	2398#
K1178(FET)	2398#
K1179(FET)	2393#
K1180(FET)	2394#
K1181(FET)	2394#
K1185(FET)	2382◆
K1186(FET)	66#
K1187(FET)	66#
K1188(FET)	2390#
K1190(FET)	2389#
K1191(FET)	2395#
K1198(FET)	2387#
K1200E	6419
K1203(FET)	2377◆
K1204(FET)	2377
K1206(FET)	2394#
K1212(FET)	2377#
K1217(FET)	2377#
K1222(FET)	2394◆
K1225(FET)	2394#
K1230(FET)	2388#
K1231(FET)	2398#
K1232(FET)	2398#
K1244(FET)	2398
K1245(FET)	2398#
K1246(FET)	2398#
K1248(FET)	2393◆
K1249(FET)	2394◆
K1268(FET)	2394◆
K1269(FET)	2394◆
K1278(FET)	2393◆
K1279(FET)	2394◆
K1290(FET)	2389#
K1291(FET)	2389
K1294(FET)	2389#
K1323(FET)	2387
K1324(FET)	2399◆
K1330(FET)	2377#
K1330A(FET)	2377#
K1331(FET)	2394◆
K1333(FET)	2394◆
K1341(FET)	2377◆
K1342(FET)	2377
K1346(FET)	2389#
K1351(FET)	2398#
K1352(FET)	2385◆
K1356(FET)	2399◆

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
K1358(FET)	2377
K1366(FET)	2391#
K1367(FET)	2391#
K1368(FET)	67#
K1378(FET)	2397#
K1384(FET)	2377#
K1385(FET)	2377#
K1417(FET)	2389
K1418(FET)	2395
K1420(FET)	2389#
K1421(FET)	2395#
K1427(FET)	66
K1428(FET)	2396
K1429(FET)	2396
K1430(FET)	66#
K1431(FET)	2396#
K1432(FET)	2396#
K1433(FET)	2375
K1435(FET)	2375#
K1440(FET)	2398
K1441(FET)	2385
K1443(FET)	2380#
K1445(FET)	2398#
K1446(FET)	2385#
K1448(FET)	2393
K1449(FET)	2394
K1451(FET)	2393#
K1452(FET)	2394#
K1456(FET)	2399
K1459(FET)	2399#
K1462(FET)	2377
K1464(FET)	2377#
K1476(FET)	2394◆
K1477(FET)	2394◆
K1478(FET)	2397#
K1495(FET)	2385
K1496(FET)	2385
K1502(FET)	2377
K1504	464§
K1513(FET)	2393#
K1523(FET)	2393#
K1524(FET)	2394#
K1531(FET)	2394◆
K1534(FET)	2399
K1535(FET)	2399#
K1545(FET)	2387◆
K1547(FET)	2387#
K1547-01M(FET)	2387#
K1554-01(FET)	2387#
K1564(FET)	2387
K1570(FET)	2394
K1571(FET)	2394
K1574(FET)	2385◆
K1600(FET)	2387◆
K1601(FET)	2399◆
K1602(FET)	2387◆
K1603	2399◆
K1605(FET)	2398#
K1606(FET)	2385#
K1607(FET)	2394
K1608(FET)	2398#
K1609(FET)	2385#
K1610(FET)	2394
K1611(FET)	2387#
K1612(FET)	2399#
K1614(FET)	2377
K1615	113A
K1616	114
K1617	115
K1627(FET)	2398◆
K1630(FET)	2387
K1631(FET)	2387#
K1634(FET)	2377#
K1638(FET)	2399
K1642(FET)	2397#
K1649(FET)	2377
K1662M(FET)	2387◆
K1692(FET)	2377◆
K1699(FET)	2398
K1700(FET)	2398#
K1703(FET)	2398
K1704(FET)	2398#
K1750(FET)	2398◆
K1751(FET)	2398
K1752(FET)	2393◆
K1753(FET)	2393◆
K1756(FET)	2394◆
K1757(FET)	2394◆
K1774(FET)	2377#
K1775	2377#
K1784(FET)	2394◆
K1785(FET)	2394◆
K1794(FET)	2377◆
K1795(FET)	2377
K1803(FET)	2377#
K1805(FET)	2385◆
K1833(FET)	2398#
K1841(DSG)	490
K1855(FET)	2394◆
K1859(FET)	2377◆
K1922(FET)	2387
K1923(FET)	2387◆
K1957(FET)	2388#
K1974(FET)	2390#
K1991(FET)	2398#
K1992(FET)	2385#
K1993(FET)	2385#
K1995(FET)	2399#
K2000(FET)	2375#
K2001	107
K2043(FET)	2387#
K2044(FET)	2387◆
K2115	161
K2501	107
K2502	107
K2503	107
K2509	107
K3010P	3047◆
K3010PG	3047◆
K3020P	3048◆
K3020PG	3048◆
K3021P	3048◆
K3021PG	3048◆
K4002	107
K9411A	229
K9682	159
K24154	1142
K75508-1	160
K76026	1253
K8532799	116(2)
K8533058-1	116
K8533137	113A
KA0848	1665§
KA33V(IC)	615A
KA301	1171
KA324A	987
KA431CD	999SM
KA431CN	999M
KA431CZ	999
KA431IN	999M
KA501	519
KA539	159
KA539-O	159
KA539R	159
KA539Y	159
KA542	159
KA542-O	159
KA542R	159
KA542Y	159
KA545	159
KA545G	159
KA545-O	159
KA545R	159
KA545Y	159
KA555	955M
KA556	978
KA562-Y	290A
KA614	242
KA614R	242
KA634	187A
KA634-O	187A
KA634R	187A
KA636	187
KA636-O	187
KA636R	187
KA642	159
KA642G	159
KA642-O	159
KA642Y	159
KA643	159
KA643G	159
KA643-O	159
KA643R	159
KA643Y	159
KA707	159
KA707-O	159
KA707R	159
KA707Y	159
KA708	129P
KA708-O	129P
KA708R	129P
KA708Y	129P
KA711C	911
KA733	159
KA733G	159
KA733-O	159
KA733R	159
KA733Y	159
KA928	25
KA928-O	25
KA928Y	25
KA931	129P
KA931-O	129P
KA931R	129P
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KO-09D-504-203	5313
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KS35A	135A
KS35AF	135A
KS36A	136A
KS36AF	136A
KS36B	136A
KS36BF	136A
KS37A	137A
KS37AF	137A
KS41A	139A
KS41AF	139A
KS42A	140A
KS42AF	140A
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KS42BF	140A
KS44A	142A
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KS44BF	142A
KS46	145A
KS46AF	145A
KS46BF	145A
KS100A	140A
KS100B	140A
KS110A	5074A
KS120A	142A
KS120B	142A
KS130A	143A
KS150A	145A
KS150B	145A
KS160A	5075A
KS180A	5077A
KS555	955MC
KS1520-O	198
KS1674	108
KS2030A	5065A
KS2033A	5066A
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KS2036A	134A
KS2039A	5067A
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KS2062A	137A
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KS2082A	5072A
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KS2091B	139A
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KS2100B	140A
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KS2110A	5074A
KS2120A	142A
KS2120B	142A
KS2130A	143A
KS2150A	145A
KS2150B	145A
KS2160A	5075A
KS5804N	1693
KS5805A	1691
KS5805AN	1691
KS5805B	1692§
KS5805BN	1692§
KS5808	1690
KS5808N	1690
KS10969-L5	7416
KS15931-L2	105
KS-15931L2	105
KS-15931-L2	105
KS15931L2	105
KS15989L13	5494
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KS-15989-L13	5494
KS-19171L2	179
KS-19171-L2	179
KS19171L2	179
KS19171-L2	179
KS19226L6	5992
KS19226-L6	5992
KS-19226L6	5992
KS-19226-L6	5992
KS-19938	130
KS-20033L2	219
KS20180-L1	128
KS20967-L1	7400
KS20967-L2	7404
KS20967-L3	7486
KS20969-L2	7483
KS20969-L3	7492
KS20969-L4	7495
KS-20971-L1	909D
KS-21177	941M
KS21282-L1	7408
KS21282-L2	7425
KS21282-L3	7432
KSA473	153
KSA473-O	153
KSA473-Y	153
KSA495Y	159
KSA539	159
KSA539-O	159
KSA539R	159
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KSA539Y	159
KSA542	159
KSA542-0	159
KSA542G	159
KSA542-O	159
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KSA545-O	159
KSA545R	159
KSA545Y	159
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KSA562-O	290A
KSA562TM	290A
KSA562TM-O	290A
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KSA634	187A
KSA634-0	187A
KSA634-O	187A
KSA634R	187A
KSA634Y	187A
KSA634-Y	187A
KSA636	187
KSA636-O	187
KSA636R	187
KSA640(EBC)	234
KSA640G(EBC)	234
KSA640Y(EBC)	234
KSA642	159
KSA642G	159
KSA642-O	159
KSA642Y	159
KSA643	159
KSA643G	159
KSA643-O	159
KSA643R	159
KSA643Y	159
KSA643-Y	193
KSA707	159
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KSA735-0	159
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KSA952-O	298
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KSA953-O	298
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KSA992P	91◆
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KSA1013Y	32
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KSA1015-Y	290A
KSA1015Y	290A
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KSA1103	37
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KSA1150-O	2362
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KSA1175-O	2362
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KSA1182-O	2407
KSA1182Y	2407
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KSA1220A	374
KSA1220A-O	374
KSA1220A-R	374
KSA1220-O	374
KSA1220-R	374
KSA1298	2407
KSA1378	2362
KSA1378G	2362
KSA1378-O	2362
KSA1378Y	2362
KSA1520	198
KSB506	332
KSB506-O	332
KSB506R	332
KSB546	398
KSB546-O	398
KSB546R	398
KSB546-Y	398
KSB564A(EBC)	294
KSB564A-O(EBC)	129P
KSB564A-Y(EBC)	294
KSB564-Y(EBC)	294
KSB564Y(EBC)	294
KSB596	292
KSB601	2344
KSB601-O	2344
KSB601R	2344
KSB601Y	2344
KSB707	378
KSB707-O	378
KSB707-R	378
KSB708	378
KSB708-O	378
KSB708R	378
KSB722Y	185
KSB744	185
KSB744A	185
KSB744A-O	185
KSB744AR	185
KSB744AY	185
KSB744-O	185
KSB744R	185
KSB744Y	185
KSB772	185
KSB772-O	185
KSB772R	185
KSB794	254
KSB794R	254
KSB795	254
KSB795R	254
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KSB834-O	153
KSB834Y	153
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KSC184Y	123AP
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KSC526R	291
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KSC815D-O	123AP
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KSC1008-Y	128P◆
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KSC1072Y	123AP
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KSC1096R	186A
KSC1096-Y	186A
KSC1098	186
KSC1098-O	186
KSC1098R	186
KSC1173	152
KSC1173-O	152
KSC1173-Y	152
KSC1187-0(EBC)	229
KSC1187(EBC)	229
KSC1187O(EBC)	229
KSC1187-Q(EBC)	229
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KSC1188R	108
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KSC1213Y	123AP
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KSC1222(EBC)	199
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KSC1222Y	199
KSC1330	123AP
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KSC1330-O	123AP
KSC1330Y	123AP
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KSC1393A-O	69
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KSC1394A	69
KSC1394A-O	69
KSC1394AR	69
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KSC1395R	108
KSC1396	108
KSC1396R	108
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KSC1675R	123AP
KSC1675Y	123AP
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KSC1730-O	107
KSC1730R	107
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KSC1845F	90◆
KSC1845P	90◆
KSC1983	56
KSC2001	293
KSC2001-O	293
KSC2001-Y	293
KSC2002	297
KSC2002G	297
KSC2002-O	297
KSC2002Y	297
KSC2003	297
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KSC2003-O	297
KSC2003Y	297
KSC2073	375
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KSC2328-O	24
KSC2328Y	24
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KSC2330-O	399
KSC2330R	399
KSC2330Y	399
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KSC2331-O	24
KSC2331Y	24
KSC2331YT	24
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KSC2333-O	51
KSC2333-R	51
KSC2334	54
KSC2334-O	54
KSC2334R	54
KSC2334Y	54
KSC2335	379
KSC2335-O	379
KSC2335R	379
KSC2340	399◆
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KSC2517R	54
KSC2517Y	54
KSC2518	379
KSC2518-O	379
KSC2518R	379
KSC2518Y	379
KSC2577	36
KSC2578	36
KSC2579	36
KSC2580	36
KSC2581	36
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KSC2669R	2361
KSC2669Y	2361
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KSC2682-O	373
KSC2682-Y	373
KSC2688	157
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KSC2688Y	157
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KSC2690A-O	373
KSC2690A-R	373
KSC2690A-Y	373
KSC2690-O	373
KSC2690R	373
KSC2690Y	373
KSC2710	2361
KSC2710G	2361
KSC2710-O	2361
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KSC2785Y	2361
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KSC2859Y	2406
KSC3265	2406
KSC3265-O	2406
KSC3265Y	2406
KSC3488	2361
KSC3488G	2361
KSC3488-O	2361
KSC3488Y	2361
KSC3552	2348
KSC3552-N	2348
KSC3552-O	2348
KSC3552-R	2348
KSC5020	2325
KSC5020-O	2325
KSC5020R	2325
KSC5020Y	2325
KSC5022	2309
KSC5022R	2309
KSC5023	2311◆
KSC5023-O	2311◆
KSC5023R	2311◆
KSC5023Y	2311◆
KSC5024	2311◆
KSC5024-O	2311◆
KSC5024R	2311◆
KSC5025	2311◆
KSC5025-O	2311◆
KSC5025R	2311◆
KSC5026	2303
KSC5026N	2303
KSC5028	2324
KSC5028N	2324
KSC5028-O	2324
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KSC5029N	2324
KSC5029R	2324
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KSC5030N	2324
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KSC5030R	2324
KSC5031	2324
KSC5031N	2324
KSC5031-O	2324
KSC5031R	2324
KSD73	331
KSD73-O	331
KSD73R	331
KSD73Y	54
KSD227	123AP
KSD227G	123AP
KSD227-O	123AP
KSD227Y	123AP
KSD261	123AP
KSD261G	123AP
KSD261-O	123AP
KSD261R	123AP
KSD261-Y	123AP
KSD261Y	123AP
KSD288	241
KSD288-O	291
KSD288R	241
KSD288-Y	291
KSD362	54
KSD362-N	54
KSD362N	54
KSD362-O	54
KSD362R	54
KSD362Y	54
KSD363	379
KSD401	375
KSD401A	375
KSD401-O	375
KSD401R	375
KSD401Y	375
KSD401-Y	375
KSD405-O	375
KSD415	287
KSD415-0	287
KSD415D	287
KSD415O	287
KSD415-O	287
KSD415R	287
KSD471A(EBC)	293
KSD471A-O(EBC)	293
KSD471Y(EBC)	293
KSD471-Y(EBC)	293
KSD526	291
KSD526Y	291
KSD560	2326◆
KSD560-O	2326◆
KSD560R	2326◆
KSD564-Y	294
KSD568	196
KSD568-O	196
KSD568R	196
KSD568Y	196
KSD569	196
KSD569-O	196
KSD569R	196
KSD569Y	196
KSD807M	165
KSD880	152
KSD880G	152
KSD880-O	152
KSD880Y	152
KSD882	184
KSD882-O	184
KSD882R	184
KSD1051	130
KSD1052	280
KSD1053	280
KSD1054	280
KSD1055	130
KSD1056	130
KSD1057	280
KSD1058	280
KSD1616	297
KSD1616-Y	297
KSD2201	280
KSD2202	280
KSD2203	181
KSD3055	181
KSD4150	287
KSD5000	2302
KSD5001	2302
KSD5002	2302
KSD5003	2302
KSD5004	2324
KSD5005	2324
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KSD5007	2324
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KSD5059	2324#
KSD9701	284
KSD9701A	284
KSD9702	284
KSD9702A	284
KSD9703	284
KSD9703A	284
KSD9704	284
KSD9705	284
KSD9706	284

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
KSD9707	284
KSK30(SGD)	458
KSK30Y(SGD)	458
KSK117	458
KSK117Y	458
KSKE12C500	125
KSKE40C200	116
KSKE40C500	116
KSKE125C200	125
KSO33A	134A
KSO33B	134A
KSO36A	134A
KSO39A	134A
KSO39B	134A
KSO47A	135A
KSO47B	135A
KSO51A	135A
KSO56A	136A
KSO56B	136A
KSO62A	137A
KSO91A	139A
KSP1171	328
KSP1172	328
KSP1173	328
KSP1174	328
KSP1175	328
KSP1176	328
KSR1001	2367
KSR1002	2355
KSR1003	2357
KSR1004	2359
KSR1014	2369
KSR1102	2414
KSR1103	2416
KSR1104	2418
KSR1201	2367
KSR1202	2355
KSR1203	2357
KSR1204	2359
KSR1214	2369
KSR2001	2368
KSR2002	2356
KSR2003	2358
KSR2004	2360
KSR2014	2370
KSR2102	2415
KSR2103	2417
KSR2104	2419
KSR2201	2368
KSR2202	2356
KSR2203	2358
KSR2204	2360
KSR2214	2370
KT205	501B
KT205/200	5633
KT209A	159
KT209D	159
KT209E	159
KT209G	159
KT209I	159
KT209K	159
KT209L	159
KT209M	159
KT209RB	159
KT209S	159
KT209U	159
KT209V	159
KT313A	159
KT313B	159
KT501	5402
KT501A	159
KT501B	159
KT501D	159
KT501E	159
KT501G	159
KT501L	159
KT501M	159
KT501V	159
KT630A	396
KT630B	396
KT630D	324
KT630E	324
KT630G	324
KT630V	396
KT928A	128
KT928V	128
KT1017	121
KT3102A	123A
KT3102B	123A
KT3102D	123A
KT3102E	123A
KT3102G	123A
KT3102V	123A
KT3107A	159
KT3107B	159
KT3107D	159
KT3107E	159
KT3107G	159
KT3107SZ	159
KT3107V	159
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KTA562	290A
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KTA562TM-Y	290A
KTA562TMY	290A
KTA562TM-Y(TA)	290A
KTA562-Y	290A
KTA562Y	290A
KTA733	290A
KTA817	383
KTA817A	383
KTA817AO	383
KTA817AY	383
KTA940	398
KTA949	32
KTA950	290A
KTA950-O	290A
KTA950Y	290A
KTA950-Y(TA)	290A
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KTA966AY	294
KTA966-Y	294
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KTA1013-O	32
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KTA1015-O	290A
KTA1015Y	290A
KTA1015-Y(TA)	290A
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KTA1162-O	2409
KTA1162S	2409
KTA1162Y	2409
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KTA1173-O	152
KTA1182-O	2407
KTA1182S	2407
KTA1182Y	2407
KTA1266	290A
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KTA1266Y	290A
KTA1267	2362
KTA1270	290A
KTA1270-TA-Y	290A
KTA1270-TP-Y	290A
KTA1270Y	290A
KTA1271	383
KTA1271-TP-Y	383
KTA1271Y	383
KTA1272	383
KTA1273	294
KTA1274	298
KTA1275	32
KTA1276	153
KTA1504S	2409
KTA1505S	2407
KTA1657	398#
KTA1658	292#
KTA1659	398#
KTA1659A	398#
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KTB595-O	55
KTB595R	55
KTB595Y	55
KTB596	292
KTB596-0	292
KTB596R	292
KTB676	262
KTB686	37
KTB686-O	37
KTB686R	37
KTB688	37
KTB688-O	37
KTB688R	37
KTB834	153
KTB834-O	153
KTB834-Y	153
KTB834Y	153
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LA600	116
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LA1201-B2	1003
LA1201B2	1003
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LA1201C-W	1003

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LA1357A	1483§
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LA1357R	1483§
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LA6393D	943M
LA6458A	778A
LA6458D	778A
LA6458DF	778A
LA6458S	1529
LA7016	1781
LA7016/-1	1781
LA7040	1558
LA7220	1799
LA7222	1066
LA7506	1542
LA7506AR	1542
LA7507	1542
LA7510	7067
LA7520	1728
LA7520AM	1728
LA7520N	1728
LA7530	1827
LA7530 20P	1827
LA7530N	1827
LA7601	1673
LA7601G	1673
LA7601RW	1673
LA7601W	1673
LA7601W 28P	1673
LA7620	1845
LA7621	1771
LA7625	1856
LA7626	1838
LA7629	7008
LA7650K	1863
LA7655	1863
LA7655N	1863
LA7670	7054
LA7760	1800
LA7761	1801
LA7800	1538
LA7800AT	1538
LA7800R	1538
LA7802	1539
LA7802AM	1539
LA7806	1540
LA7806AC	1540
LA7811	1772
LA7820	7084
LA7823	1647
LA7830	1773
LA7831	1797
LA7835	1855
LA7835TA	1855
LA7835-TV	1855
LA7836	7085
LA7837	7104
LA7838	7039
LA7850	7086
LA7851	7062
LA7852	7063
LA7910	1658
LA7910AM	1658
LA7913	1837
LA7915	1836
LA7916	7004
LA7920	1708
LA7940	1409C
LA40511	1150
LA44000Y	1211§
LAA300	116
LAA600	116
LAA800	116
LAB1363	712
LAD010	1119
LAD011	1120
LAD-011	1120
LAP-011	1000§
LAP011	1000§
LAP-012	1001§
LAS14CB	934◆
LAS15A05	931
LAS15A12	933◆
LAS15CB	934◆
LAS16CB	934◆
LAS19CB	934◆
LAS1405	931◆
LAS1412	1912
LAS1415	1918
LAS1505	931◆
LAS1512	1914
LAS1515	1916
LAS1518	1920
LAS1524	1924
LAS1605	931◆
LAS1612	1912
LAS1805	1913
LAS1812	1915
LAS1815	1919
LAS1818	1923
LAS1824	1925
LAS1905	932◆
LAS1912	933◆
LB156	5305◆
LB189-308484	163A
LB1231	2011
LB1232	2012
LB1233	2013
LB1234	2014
LB1260	2080
LB1260LB	2080
LB1261	2081
LB1264	2081
LB1264LB	2081
LB1272	2082
LB1272LB	2082
LB1273R	2083
LB1273RLB	2083
LB1274	2077
LB1274K	2077
LB1274KF	2077
LB1275	2076
LB1275K	2076
LB1287	2084
LB1287K	2084
LB1287LB	2084
LB1288	2084
LB1290	2021
LB1291	2022
LB1292	2026
LB1293	2026
LB1331	1556
LB1332	1556
LB1332AK	1556
LB1332AM	1556
LB1403	1561
LB1405	1515
LB1405AK	1515
LB1405S	1515
LB1409	1513§
LB1409AR	1513§
LB1415	1514
LB1415AK	1514
LB1416	1512
LB1416AT	1512
LB1426	1511
LB1426AR	1511
LB1500	1564
LB1500AC	1564
LB1500AM	1564
LB1515	1662
LB1515AC	1662
LB1515AM	1662
LB1641	7087
LB1645N	1716
LB1649	1774
LB2000	9946
LB2001	9962
LB2002	9930
LB2003	9932
LB2004	9944
LB2005	9933
LB2006	9936
LB2007	9935
LB2030	9945
LB2031	9093
LB2032	9099
LB2100	9949
LB2101	9963
LB2102	9961
LB2106	9937
LB2130	9948
LB2131	9094
LB2132	9097
LB3000	7400
LB3001	7410
LB3001(Fanon)	1016
LB3002	7420
LB3003	7430
LB3004	7450
LB3005	7460
LB3006	7404
LB3008	7402
LB3009	7440
LB3060	7480
LB3150	7490
LB3175	7491
LB8555D	955M
LB8555S	955S
LC0.09M1115	116(2)
LC74HC174	74HC174
LC945P(Trans)	85
LC4001B	4001B
LC4001BP	4001B
LC4011B	4011B
LC4013B	4013B
LC4066B	4066B
LC4069UB	4069
LC4071B	4071B
LC4081B	4081B
LC6800TY	6800
LC6801TY	6810
LC6802TY	6802
LC6810TY	6810
LC6821TY	6821
LC6850TY	6850
LC6875TY	6875
LC6880TY	6880
LC6889TY	6889
LC7120	1536
LC7120AT	1536
LC7131	1475
LC7131AR	1475
LC7131C	1475
LC7250	1537
LC7250AT	1537
LC75188TY	75188
LC75189TY	75189
LCO.09M1113	506
LD30-1	3008
LD-30B	3007
LD30B	3007
LD37-1	3010
LD40-1	3025
LD-40-1	3025
LD-40-11	3025
LD40-11	3025
LD-41A	3025
LD-41-I	3025
LD-41-II	3025
LD50-1	3025
LD-50-1	3025
LD-50-11	3025
LD50-11	3025
LD-52-1	3022
LD52-1	3022
LD52-2	3023
LD-52-2	3023
LD128(RCA)	112
LD271	3017
LD300	1016
LD1020	1012
LD1020A	1012
LD1041	1013
LD1110	1014
LD-1110	1014
LD1408B	2056
LD3000	1015
LD3001	1016
LD3001W	1016
LD3001X	1016
LD3040	1017
LD-3061	1026
LD3061	1026
LD3080	1018
LD3110	1152
LD3110A	1152
LD3120	1019
LD-3120	1019
LD3141	OBS-NLA
LD3141V	OBS-NLA
LD-3150	1021
LD3150	1021
LD3150C	1021
LDA404	128
LDA405	128
LDA406	128
LDA408	128
LDA450	129
LDF603	456
LDF604	456
LDS200	128
LDS201	128
LED55B	3028
LED55C	3028
LED56	3028
LED56F	3028
LED-15005	9914
LED21085	9910§
LED21092	9951
LF347N	859
LF351N	857M
LF353AN	858M◆
LF353BN	858M◆
LF353N	858M
LF355	857M
LF355AH	937◆
LF355AL	937◆
LF355AN	937M◆
LF355AP	937M◆
LF355AT	937◆
LF355BN	937M◆
LF355BP	937M◆
LF355DE	937M◆
LF355H	937
LF355J	937M◆
LF355JG	937M◆
LF355L	937
LF355N	937M
LF355P	937M
LF355T	937
LF356AH	937◆
LF356AL	937◆
LF356AN	937M◆
LF356AT	937◆
LF356BN	937M◆
LF356DE	937M◆
LF356H	937
LF356J	937M◆
LF356JG	937M◆
LF356L	937
LF356N	937M
LF356P	937M
LF356T	937
LF357AH	937◆
LF357AL	937◆
LF357AN	937M◆
LF357AP	937M◆
LF357AT	937◆
LF357BF	937
LF357BN	937M◆
LF357BR	937
LF357DE	937M◆
LF357H	937
LF357J	937M◆
LF357JG	937M◆
LF357L	937
LF357MF	937M
LF357MR	937M
LF357N	937M
LF357P	937M
LF357T	937
LF411ACH	937
LF411ACN	937M◆
LF411CH	937
LF411CN	937M◆
LF13331N	861
LF13331N-1	861
LF13331N-2	861
LH740A	940§
LH740AC	940§
LH5101W	65101
LH6055W	7405
LH21256-10	4256
LH21256-12	4256
LH21256-15	4256
LH21256-20	4256
LJ00002	37
LJ00024	107
LJ00032	36
LJ00047	184
LJ00098	55
LJ-152	159
LJ152	159
LJ152-0	159
LJ152(0)	159
LJ152B	159
LJ152G	159
LJF16212	2365◆
LJH16212	2354◆
LJW16212	2365◆
LK1309P	1226
LK1352P	749
LL-2	116
LLB-23	123A
LLM320K-12	1915
LLM320K12	1915
LLM320K15	1919
LLM320K-15	1919
LLM323K	931
LLM338	935
LLM340K5	932
LLM340K12	1914
LLM340K-12	1914
LLM340K15	1916
LLM340K18	1920
LLM340K-18	1920
LLM340K-24	1924
LLM340K24	1924
LM14CB	934
LM78L05	977
LM78L05ACH	977
LM78L05ACZ	977
LM78L05CH	977
LM78L05CZ	977
LM78L06	988
LM78L08ACH	981
LM78L08ACZ	981
LM78L08CH	981
LM78L08CZ	981
LM78L12	950
LM78L12ACH	950
LM78L12ACZ	950
LM78L12AGZ	950
LM78L12CH	950
LM78L12CZ	950
LM78L15ACH	951
LM78L15ACZ	951
LM78L15AGZ	951
LM78L15CH	951
LM78L15CZ	951
LM78L18ACZ	1906
LM78L18CZ	1906
LM78L24ACZ	1908
LM78L24CZ	1908
LM78M05CP	960
LM78M05CT	960
LM78M06CP	962
LM78M06CT	962
LM78M08CP	964
LM78M08CT	964
LM78M10C	1932
LM78M12CP	966
LM78M12CT	966
LM78M15CP	968
LM78M15CT	968
LM78M18CP	958
LM78M18CT	958
LM78M24CP	972
LM78M24CT	972
LM79L05	1917
LM79L05A	1917
LM79L05AC	1917
LM79L05ACZ	1917
LM79L12	1903
LM79L12AC	1903
LM79L12ACZ	1903
LM79L15	1905
LM79L15AC	1905
LM79L15ACZ	1905
LM79M05CP	961
LM79M06CP	963◆
LM79M12CP	967
LM79M15CP	969
LM140AK-15	1918
LM140K-15	1918
LM201AH	1171
LM201AL	1171
LM201H	1171
LM216H	945
LM224AD	987
LM224AF	987
LM224AJ	987
LM224AN	987
LM224D	987
LM224J	987
LM224N	987
LM239AD	834
LM239AJ	834
LM239AN	834
LM301	1171
LM301AD	975SM
LM301AG	1171
LM301AH	1171
LM301AL	1171
LM301AN	975
LM301AN-8	975
LM301AP	975
LM301AP1	975
LM301AT	975
LM301AV	975
LM301DN1	975SM
LM302H	924
LM305AP	1930
LM305H	1928
LM305H-L/Z	1928
LM307AN-8	976
LM307H	937
LM307J	976
LM307J-14	941D
LM307N	976
LM307P	976
LM308AH	938
LM308AJ-8	938M
LM308AN	938M
LM308AT	938
LM308D	938M
LM308H	938
LM308J-8	938M
LM308N	938M
LM308T	938
LM309DA	309K
LM309K	309K
LM309KC	309K
LM310H	924
LM310N	924M
LM311	922
LM311D	922SM
LM311H	922
LM311HW	922
LM311L	922
LM311M	922M
LM311M(SOIC)	922SM
LM311MN1	922SM
LM311N	922M
LM311NDS	922M
LM311P	922M
LM311PG	922M
LM311T	922
LM316	945
LM317KC(Plastic)	956
LM317KCQ(Plastic)	956
LM317LBZ	1900
LM317LZ	1900
LM317T	956
LM317TW	956
LM318H	918
LM318J-8	918M
LM318JG	918M
LM318L	918
LM318M	918SM
LM318MD1	918SM
LM318N	918M
LM318P	918M
LM319A	919D
LM319D	919D
LM319F(DIP)	919D
LM319H	919
LM319J	919D
LM319K	919
LM319N	919D
LM320K-5.0	1913
LM320K5.0	1913
LM320K12	1915
LM320K-12	1915
LM320K-15	1919
LM320K15	1919
LM320K-18	1923
LM320K18	1923
LM320K-24	1925
LM320K24	1925
LM320KBZ-18	1923
LM320LBZ-18	1907
LM320LZ12	1903
LM320LZ-12	1903
LM320LZ15	1905
LM320LZ-15	1905
LM320LZ18	1907
LM320LZ-18	1907
LM320LZ24	1909
LM320LZ-24	1909
LM320LZB12	1903
LM320T-5.0	961
LM320T5.0	961
LM320T6.0	963
LM320T-6.0	963
LM320T8.0	965
LM320T12	967
LM320T-12	967
LM320T-15	969
LM320T15	969
LM320T24	971
LM320T-24	971
LM323K	931
LM324	987
LM324AD	987
LM324AF	987
LM324AJ	987
LM324AN	987
LM324D	987
LM324D(SOIC)	987SM
LM324FP	987SM
LM324J	987
LM324N	987
LM324N-14	987
LM336Z2.5	952
LM336Z2.5TT	952
LM337K	1911
LM337KC	957
LM337KCG	957
LM337KZ-AB	1911
LM337LBZ	1901
LM337LZ	1901
LM337MT	957
LM337T	957
LM337TW	957
LM338K	935
LM339	834
LM339AD	834
LM339AJ	834
LM339AN	834
LM339D	834SM
LM339DB	834
LM339DP	834
LM339J	834
LM339N	834
LM340-05T	960
LM340-5(TO-3)	309K
LM340-12(TO-3)	1914
LM340-15T	968
LM340DA5	309K
LM340K-5	931
LM340K5.0	309K
LM340K12	1914
LM340K-12	1914
LM340K15	1916
LM340K-15	1916
LM340K-18	1920
LM340K18	1920
LM340K-24	1924
LM340KC-5(T0220)	960
LM340KC-5(T03)	309K
LM340KC-12(T0220)	966
LM340KC-12(T03)	1914
LM340KC-15(T03)	1916
LM340KC-15(T0220)	968
LM340LAZ-5	977
LM340LAZ-18	1906
LM340LAZ18	1906
LM340LAZ-24	1908
LM340LAZ24	1908
LM340LBZ-24	1908
LM340LZ18	1906
LM340LZ-18	1906
LM340LZ-24	1908
LM340LZ24	1908
LM340T-5	960
LM340T5	960
LM340T-5.0	960
LM340T5.0	960
LM340T-5.0R	960
LM340T-6	962
LM340T6.0	962
LM340T-6.0	962
LM340T-6.0R	962
LM340T8.0	964
LM340T-8.0	964
LM340T12	966
LM340T-12	966
LM340T-12R	966
LM340T15	968
LM340T-15	968
LM340T-15R	968
LM340T-18	958
LM340T24	972
LM340T-24	972
LM340T-24R	972
LM340U5	960
LM340U6	962
LM340U8	964
LM340U12	966
LM340U15	968
LM340U24	972
LM341	964
LM341-5	960
LM341-6	962
LM341-12	966
LM341-15	968
LM341-24	972
LM341P5.0	960
LM341P-5.0	960
LM341P-6.0	962
LM341P8.0	964
LM341P-8.0	964
LM341P12	966
LM341P-12	966
LM341P-15	968
LM341P15	968
LM341P-24	972
LM342P5.0	960
LM342P8.0	964
LM342P-12	966
LM342P12	966
LM342P15	968
LM348	948
LM348D	948SM
LM348DN1	948SM
LM348J	948
LM348M	948SM
LM348N	948
LM350K	970
LM350KCG	970
LM358AH	928
LM358AN	928M
LM358AT	928M
LM358D	928SM
LM358DN1	928SM
LM358FP	928SM
LM358H	928
LM358J	928M
LM358JG	928M
LM358L	928
LM358M	928SM
LM358N	928M
LM358P	928M
LM358S	928S
LM358T	928
LM359J	869
LM359N	869
LM370	370A§
LM371	OBS-NLA
LM373N	800
LM376N	1930
LM377	990
LM377KC	957
LM377N	990
LM378	804◆
LM378N	804◆
LM380	740A
LM380N	740A
LM381	942
LM381A	942
LM381AN	942
LM381BR	942
LM381N	942
LM383	1232
LM383T	1232
LM384BC2	862
LM384N	862
LM384NC2	862
LM385BZ-1.2	7080
LM385Z-1.2	7080
LM386	823

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
LM386A	823
LM386AN	823
LM386N	823
LM386N-1	823
LM-386-N-1	823
LM386N-3	823
LM387	824
LM387AN	824
LM387N	824
LM388N	828
LM390AH	825
LM390AI	825
LM390AJ	825
LM390N	825
LM393D	943SM
LM393DN1	943SM
LM393JG	943M
LM393M	943SM
LM393MF	943
LM393MR	943M
LM393N	943M
LM393P	943M
LM393S	1718
LM431ACM	999SM
LM431ACZ	999
LM555	955M
LM555C	955M
LM555CM	955SM
LM555CN	955M
LM555DN1	955SM
LM556	978
LM556CN	978
LM556DN1	978SM
LM556M	978SM
LM565CN	989
LM566CH	994
LM566CN	994M
LM566H	994
LM566N	994M
LM567	832
LM567C	832
LM567CM	832SM
LM567CN	832
LM567GN	832
LM578D	126A
LM703	703
LM703L	703
LM703LN	703◆
LM709C	909
LM709CH	909
LM709CN	909D
LM709H	909
LM710C	910
LM710CH	910
LM710CN	910D
LM711C	911
LM711CH	911
LM711CN	911D§
LM723	923
LM723C	923D
LM723CD	923D
LM723CH	923
LM723CN	923D
LM723DC	923
LM723H	923
LM725CH	925
LM733CH	927
LM733CN	927D
LM741C	941
LM741CH	941
LM741CM	941SM
LM741CN	941M
LM741D	941SM
LM746N	790
LM747C	947
LM747CD	947D
LM747CH	947
LM747CJ	947D
LM747CN	947D
LM748CH	1171
LM748CN	975
LM748H	1171
LM833D	891SM
LM833M	891SM
LM833N	891M
LM1011	2003
LM1011A	2003
LM1011AN	2003
LM1011N	2003
LM1090E	123A
LM1090F	123A
LM1090G	123A
LM1110A	108
LM1110B	107
LM1117	199
LM1117C	199
LM1117D	123A
LM1120B	107
LM1120C	107
LM1123H	108
LM1129	123A
LM1130	123A
LM1132	123A
LM1133	123A
LM1133	233
LM1138	229
LM1138E	229
LM1138E/F	229
LM1138F	229
LM1138G	229
LM1138G/F	229
LM1138G/H	108
LM1138H	229
LM1138H/I	229
LM1138I	229
LM1147	123A
LM1148	123A
LM1149	159
LM1150	159
LM1151	159
LM1153	159
LM1153	159
LM1154	171
LM1155	123A
LM1156	191
LM1157	182§
LM1157	182§
LM1158	116
LM1159	177
LM1160	116
LM1203	7081
LM1203N	7081
LM1303	725
LM1303N	725
LM1304	718
LM1304N	718
LM1305	720
LM1305N	720
LM1307	722
LM1307N	722
LM1310	801
LM1310N	801
LM1351N	748A
LM1391N	815
LM1394N	836
LM1403	123A
LM1404	159
LM1405W	931
LM1408N-6	2056
LM1408N-7	2056
LM1412W	933
LM1415-6	123A
LM1415-7	123A
LM1458	778A
LM1458N	778A
LM1496	973§
LM1496H	973§
LM1496J	973D
LM1496N	973D
LM1496N(IC)	973D
LM1496N(Transistor)	123A
LM1501H	128(2)
LM1502H	129(2)
LM1540	123A
LM1540C	199
LM1566F	123A
LM1614D	123A
LM1614M	123A
LM1795	159
LM1796	399
LM1800	743
LM1800N	743
LM1808N	826
LM1818	123A
LM1819	1670
LM1819G	1670
LM1820	744
LM1820D	744
LM1823N	875
LM1829	797
LM1841N	737§
LM1845	731
LM1848	821
LM-1862	116
LM1862	116
LM1870N	1864
LM1877	990
LM1877-9	990
LM1877N	990
LM1877N-3	990
LM1877N-9	990
LM1877N-20	990
LM1877N-26	990
LM1880	852
LM1880N	852
LM1884	1655
LM1884N	1655
LM1889	846
LM1889N	846
LM1905W	932
LM1932	506
LM2020(Trans)	108
LM2111	708
LM2111N	708
LM2152	123AP
LM-2589	159
LM2589	159
LM2682(Trans)	123AP
LM2701	190
LM2820N	806
LM2896	1687
LM2896P-1	1687
LM2896P-2	1687
LM2900N	992
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M001-000029	6400B
M001-000164	116(4)
M-0027	116
M001003711	289A
M012	108
M024	108
M082B1	2042§
M083	2042§
M083B1	2042§
M086B1	2043§
M094-585-46	159
M0-1029	2043§
M02033	829
M08047L1	159
M04066313	85
M04070304	85
M04120303	153
M05131311	184
M05174321	5005A
M05200320	519
M07060320	519
M07061304	152
M07070304	85
M07085303	454§
M07091331	6054
M07115343	1227
M07133222	5016A
M07139304	459
M07140303	91
M07140320	5029A
M07141322	5023A
M07215303	85
M07215304	290A
M07228303	293
M07240320	5802
M07288320	5031A
M07370305	90
M07370306	91
M07370343	778A
M07390303	85
M07390304	290A
M07391320	5802
M07444320	3163
M07447321	156
M07447322	5018A
M07454303	85
M07461346	1214
M07465343	1488
M07465344	1214
M07492321	519
M07493321	5016A
M07510310	74LS42
M07514320	156
M07514321	5023A
M07520320	5005A
M07554310	1338§
M07556310	1608
M07587300	85
M071442320	519
M0C1000	3040
M0C1001	3040
M0C1002	3040
M0C1005	3041
M0C1006	3041
M0C1100	3041
M0C1200	3041
M0C3002	3091
M0C3007	3091
M0C3009	3047
M0C3010	3047
M0C3011	3047
M0C3012	3047◆
M0C3020	3048
M0C3021	3048
M0C3022	3048
M0C3023	3048◆
M0C3030	3049
M0C3031	3049
M0C3032	3049◆
M0C3033	3091
M0C3040	3097
M0C3041	3097
M0C5007	3090
M0C5008	3090
M0C5009	3090
M0C7811	3100
M0C7812	3100
M0C7813	3100
M0C7821	3102
M0C7822	3102
M0C7823	3102
M0C8030	3044
M0C8050	3045
M0C8100	3096
M0C8111	3040
M0C8112	3041
M0C8113	3041
M0S65245	74LS245
M0Z	116
M1-15R	116
M1-15S	116
M1-301	177
M1C946-5D	9946
M1C962-5D	9962
M1D43	5655
M1G43	5656
M1H	116
M1S-12795B	130
M1X	128
M1Z	116
M1Z(Diode)	116
M2-12	338
M2-19	339
M2-26	337
M2B	125
M2B(Triac)	5629
M2B(RECT)	125
M2D(Triac)	5629
M2G(Triac)	5629
M2N168A	101
M2P-90L	15041
M2P-145L	15043
M2P-230L	15044
M2P-350L	15046
M2P-470L	15047
M2P-600L	15048
M3B(Triac)	5629
M3D(Triac)	5629
M3d1	548
M3D15	548
M3D18	542◆
M3D22	542◆
M3D29	548
M3G45	5608
M3G45A	5608
M3G(Triac)	5629
M3GZ47	5620
M3J45	5609
M3J45A	5609
M3JZ47	5620
M4B31	5313
M4B31-13	5313
M4B-31-22	5312
M4B32	5312
M4B41	156(4)
M4B41-13	156(4)
M4C32	5313
M4C51	5304◆
M4E32	5314
M4HZ	116
M4Z3.3	134A
M4Z3.3A	134A
M4Z3.9	134A
M4Z3.9A	134A
M4Z4.7	135A
M4Z4.7-20	135A
M4Z4.7A	135A
M4Z5.1	135A
M4Z5.1-20	135A
M4Z5.1A	135A
M4Z5.6	136A
M4Z5.6-20	136A
M4Z5.6A	136A
M4Z6.2	137A
M4Z6.2-20	137A
M4Z6.2A	137A
M4Z9.1	139A
M4Z9.1-20	139A
M4Z9.1A	139A
M4Z10	140A
M4Z10-20	140A
M4Z10A	140A
M4Z12	142A
M4Z12-20	142A
M4Z12A	142A
M4Z15	145A
M4Z15-20	145A
M4Z15A	145A
M4Z27	146A
M4Z27-20	146A
M4Z27A	146A
M4Z33	147A
M4Z62	149A
M4Z62A	149A
M4Z82	150A
M4Z110	151A
M5E555AP	955M
M5F78M05L	1960
M5F78M06L	1962
M5F78M08L	1964
M5F78M09L	1966
M5F78M10L	1968
M5F78M12	1970
M5F78M12L	1970
M5F78M15	1972
M5F78M15L	1972
M5F78M18L	1974
M5F78M24L	1976
M5F79M05L	1961
M5F79M06L	1963
M5F79M08L	1965
M5F79M09L	1967
M5F79M12L	1971
M5F79M15L	1973
M5F79M18L	1975
M5F79M24L	1977
M5F7805	1960
M5F7805L	1960
M5F7806L	1962
M5F7808L	1964
M5F7809L	1966
M5F7810L	1968
M5F7812L	1970
M5F7815	1972
M5F7815L	1972
M5F7818L	1974
M5F7824L	1976
M5F7905L	1961
M5F7906L	1963
M5F7908L	1965
M5F7909L	1967
M5F7912L	1971
M5F7915L	1973
M5K4164NS-15	2164
M5K4164NS-20	2164
M5K4164P-15	6664
M5K4164P-20	6664
M5K4164S	6664
M5K4164S-15	6664
M5K4164S-20	6664
M5L2114LP-3	2114
M5L2708K	2708
M5L2708K-65	2708
M5L2708S	2708
M5L2708S-65	2708
M5L2716K	2716
M5L2716K-65	2716
M5L2716S	2716
M5L2716S-65	2716
M5L2732K	2732
M5L2732K-6	2732
M5L2764	2764
M5L2764K	2764
M5L2764K-2	2764
M5L2764K-3	2764
M5L8080A	8080A
M5L8080AP	8080A
M5L8212	8212
M5L8212P	8212
M5L8216	8216
M5L8216P	8216
M5L8224	8224
M5L8224P	8224
M5L8228	8228
M5L8228P	8228
M5L8255AP-5	8255
M5M4256P-10	4256
M5M4256P-12	4256
M5M4256P-15	4256
M5M4256P-20	4256
M5R4558P	778A
M5S000P	74S00
M5S003P	74S03
M5S004P	74S04
M5S005P	74S05
M5S010P	74S10
M5S011P	74S11
M5S015P	74S15
M5S020P	74S20
M5S022P	74S22
M5S030P	74S30
M5S040P	74S40
M5S051P	74S51
M5S074P	74S74
M5S112P	74S112
M5S113P	74S113
M5S114P	74S114
M5S133P	74S133
M5S138P	74S138
M5S151P	74S151
M5S153P	74S153
M5S157P	74S157
M5S158P	74S158
M5S174P	74S174
M5S175P	74S175
M5S181P	74S181
M5S251P	74S251
M5S258P	74S258
M6	2409
M6D45A	5633
M6D4533	5633
M6G45	5635
M6G45A	5635
M6GZ47	5620
M6GZ47A	5620
M6HZ	116
M6J45	5637
M6J45A	5637
M6JZ47	5620
M6JZ47A	5620
M8D(Triac)	5632
M8D03	727
M8D45	5633
M8D45A	5633
M8DO3(Motorola)	727
M8G(Triac)	5633
M8G45	5635
M8G45A	5635
M8GZ47	5620
M8GZ47A	5620
M8HZ	125
M8J(Triac)	5635
M8J45	5637
M8J45A	5637
M8JZ47	5620
M8JZ47A	5620
M9Z	139A
M10Z	140A
M12	116
M12D(Triac)	56004
M12D45	56004
M12D45A	56004
M12G(Triac)	56006
M12G45	56006
M12G45A	56006
M12GZ47	5671
M12GZ47A	5671
M12J(Triac)	56008
M12J45	56008
M12J45A	56008
M12JZ47	5671
M12JZ47A	5671
M12Z	142A
M14	116
M14(Triac)	5667A
M15(Triac)	5667A
M15Z	145A
M16(Triac)	5667A
M16G45	5671
M16GZ47	5671
M16GZ47A	5671
M16J45	5671
M16JZ47	5671
M16JZ47A	5671
M21C	5404
M21C1R	5404
M21C/Q	5404
M21CQ	5404
M21C-R	5404
M21C/R	5404
M21CY	5404
M21C/Y	5404
M21Y	5404
M22	116
M24	123A
M24(Triac)	5667A
M24A	123A
M24B	123A
M25	123A
M25(Triac)	5667A
M25A	123A
M25B	123A
M25B2	123A
M25E1511F	5700◆
M25E1512F	5700◆
M25E1513F	5700◆
M25E1514F	5700◆
M25E1515F	5700◆
M25E1521F	5701◆
M25E1522F	5701◆
M25E1523F	5701◆
M25E1524F	5701◆
M25E1525F	5701◆
M25E1531	5702◆
M25E1532	5702◆
M25E1533	5702◆
M25E1534	5702◆
M25E1535	5702◆
M25E1541	5703◆
M25E1542	5703◆
M25E1543	5703◆
M25E1544	5703◆
M25E1545	5703◆
M25E1551	5705◆
M25E1552	5705◆
M25E1553	5705◆
M25E1554	5705◆
M25E1555	5705◆
M25E2511F	5700◆
M25E2512F	5700◆
M25E2513F	5700◆
M25E2514F	5700◆
M25E2515F	5700◆
M25E2521F	5701◆
M25E2522F	5701◆
M25E2523F	5701◆
M25E2524F	5701◆
M25E2525F	5701◆
M25E2531	5702◆
M25E2532	5702◆
M25E2533	5702◆
M25E2534	5702◆
M25E2535	5702◆
M25E2541	5703◆
M25E2542	5703◆
M25E2543	5703◆
M25E2544	5703◆
M25E2545	5703◆
M25E2551	5705◆
M25E2552	5705◆
M25E2553	5705
M25E2554	5705◆
M25E2555	5705◆
M26	177
M26(Triac)	5667A
M27Z	146A
M-31	116
M34A	109
M42	116
M50-100-SB200	5348
M50-100-SB400	5348
M50-100-SB600	5348
M50-100-SB800	5348
M50-100-SB1000	5348
M50-100-SB-1200	5348
M51	109
M54	123A
M54A	123A
M54B	123A
M54BLK	123A
M54BLU	123A
M54BRN	123A
M54C	123A
M54D	123A
M54E	123A
M54GRN	123A
M54ORN	123A
M54RED	123A
M54WHT	123A
M54YEL	123A
M60	109
M62	116
M65A	159
M65B	159
M65C	159
M65D	159
M65E	159
M65F	159
M67	116
M67A	116
M67B	116
M67C	116
M68	116
M68A	116
M68B	116
M68C	116
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M69A	116
M69B	116
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M70C	116
M71	116
M71A	116
M71B	116
M71C	116
M72	125
M72A	125
M72B	125
M72C	125
M72D	156
M73	125
M73A	125
M73B	125
M73C	125
M74HC00B1	74HC00
M74HC00B1N	74HC00
M74HC00P	74HC00
M74HC02B1	74HC02
M74HC02B1N	74HC02
M74HC02P	74HC02
M74HC04B1	74HC04
M74HC04B1N	74HC04
M74HC04P	74HC04
M74HC08B1	74HC08
M74HC08B1N	74HC08
M74HC08P	74HC08
M74HC10B1	74HC10
M74HC10B1N	74HC10
M74HC10P	74HC10
M74HC11B1	74HC11
M74HC11B1N	74HC11
M74HC11P	74HC11
M74HC14B1	74HC14
M74HC14B1N	74HC14
M74HC14p	74HC14
M74HC32B1	74HC32
M74HC32B1N	74HC32
M74HC86B1	74HC86
M74HC86B1N	74HC86
M74HC86P	74HC86
M74HC109B1	74HC109
M74HC109B1N	74HC109
M74HC109P	74HC109
M74HC123B1	74HC123
M74HC123B1N	74HC123
M74HC123P	74HC123
M74HC125B1	74HC125
M74HC125B1N	74HC125
M74HC125P	74HC125
M74HC126B1	74HC126
M74HC126B1N	74HC126
M74HC126P	74HC126
M74HC132B1	74HC132
M74HC132B1N	74HC132
M74HC132P	74HC132
M74HC138B1	74HC138
M74HC138B1N	74HC138
M74HC138P	74HC138
M74HC139B1	74HC139
M74HC139B1N	74HC139
M74HC151B1	74HC151
M74HC151B1N	74HC151
M74HC151P	74HC151
M74HC153B1	74HC153
M74HC153B1N	74HC153
M74HC153P	74HC153
M74HC154B1	74HC154
M74HC154B1N	74HC154
M74HC154P	74HC154
M74HC161B1	74HC161
M74HC161B1N	74HC161
M74HC161P	74HC161
M74HC163B1	74HC163
M74HC163B1N	74HC163
M74HC163P	74HC163
M74HC164B1	74HC164
M74HC164B1N	74HC164
M74HC164P	74HC164
M74HC165B1	74HC165
M74HC165B1N	74HC165
M74HC173B1	74HC173
M74HC173B1N	74HC173
M74HC173P	74HC173
M74HC174B1	74HC174
M74HC174B1N	74HC174
M74HC174P	74HC174
M74HC175B1	74HC175
M74HC175B1N	74HC175
M74HC175P	74HC175
M74HC240B1	74HC240
M74HC240B1N	74HC240
M74HC240P	74HC240
M74HC244B1	74HC244
M74HC244B1N	74HC244
M74HC244P	74HC244
M74HC257B1	74HC257
M74HC257B1N	74HC257
M74HC257P	74HC257
M74HC259B1	74HC259
M74HC259B1N	74HC259
M74HC259P	74HC259
M74HC273B1	74HC273
M74HC273B1N	74HC273
M74HC273P	74HC273
M74HC299B1	74HC299
M74HC299B1N	74HC299
M74HC373B1	74HC373
M74HC373B1N	74HC373
M74HC373P	74HC373
M74HC374B1	74HC374
M74HC374B1N	74HC374
M74HC374P	74HC374
M74HC377B1	74HC377
M74HC377B1N	74HC377
M74HC390B1	74HC390
M74HC390B1N	74HC390
M74HC390P	74HC390
M74HC393B1	74HC393
M74HC393B1N	74HC393
M74HC393P	74HC393
M74HC573B1	74HC573
M74HC573B1N	74HC573
M74HC574B1	74HC574
M74HC574B1N	74HC574
M74HC4020B1	74HC4020
M74HC4020B1N	74HC4020
M74HC4020P	74HC4020
M74HC4040P	74HC4040
M74HC4053P	74HC4053
M74HC4060B1	74HC4060
M74HC4060B1N	74HC4060
M74HCT04B1	74HCT04
M74HCT04B1N	74HCT04
M74HCT138B1	74HCT138
M74HCT138B1N	74HCT138
M74HCT240B1	74HCT240
M74HCT240B1N	74HCT240
M74HCT244B1	74HCT244
M74HCT244B1N	74HCT244
M74HCT373B1	74HCT373
M74HCT373B1N	74HCT373
M74HCT374B1	74HCT374
M74HCT374B1N	74HCT374
M74HCT573B1	74HCT573
M74HCT573B1N	74HCT573
M74HCT574B1	74HCT574
M74HCT574B1N	74HCT574
M74LS00P	74LS00
M74LS02P	74LS02
M74LS03P	74LS03
M74LS04P	74LS04
M74LS05P	74LS05
M74LS08P	74LS08
M74LS09P	74LS09
M74LS10P	74LS10
M74LS11P	74LS11
M74LS12P	74LS12
M74LS13P	74LS13
M74LS14P	74LS14
M74LS15P	74LS15
M74LS20P	74LS20
M74LS21P	74LS21
M74LS22P	74LS22
M74LS27P	74LS27
M74LS30P	74LS30
M74LS32P	74LS32
M74LS37P	74LS37
M74LS38P	74LS38
M74LS40P	74LS40
M74LS42P	74LS42
M74LS47P	74LS47
M74LS48P	74LS48
M74LS51P	74LS51
M74LS73AP	74LS73A
M74LS74AP	74LS74A
M74LS74P	74LS74A
M74LS75P	74LS75
M74LS76AP	74LS76A
M74LS78P	74LS78
M74LS83AP	74LS83A
M74LS85P	74LS85
M74LS86P	74LS86
M74LS90P	74LS90
M74LS91	74LS91
M74LS91P	74LS91
M74LS92P	74LS92
M74LS93P	74LS93
M74LS95B	74LS95B
M74LS95BP	74LS95B
M74LS107AP	74LS107
M74LS109P	74LS109A
M74LS112AP	74LS112A
M74LS113P	74LS113
M74LS114P	74LS114
M74LS123P	74LS123
M74LS125AP	74LS125A
M74LS126AP	74LS126
M74LS132P	74LS132
M74LS136P	74LS136
M74LS138P	74LS138
M74LS139P	74LS139
M74LS145	74LS145
M74LS145P	74LS145
M74LS148	74LS148
M74LS148P	74LS148
M74LS151P	74LS151
M74LS153P	74LS153
M74LS155P	74LS155
M74LS156P	74LS156
M74LS157P	74LS157
M74LS158P	74LS158
M74LS160P	74LS160A
M74LS161AP	74LS161A
M74LS161P	74LS161A
M74LS162P	74LS162A
M74LS163P	74LS163A
M74LS164P	74LS164
M74LS166AP	74LS166
M74LS170P	74LS170
M74LS173P	74LS173
M74LS174P	74LS174
M74LS175P	74LS175
M74LS190P	74LS190
M74LS191P	74LS191
M74LS192P	74LS192
M74LS193P	74LS193
M74LS194A	74LS194A
M74LS194AP	74LS194A
M74LS195P	74LS195A
M74LS196P	74LS196
M74LS197P	74LS197
M74LS221P	74LS221

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
M74LS240P	74LS240
M74LS241P	74LS241
M74LS242P	74LS242
M74LS243P	74LS243
M74LS244P	74LS244
M74LS245	74LS245
M74LS245P	74LS245
M74LS247P	74LS247
M74LS257AP	74LS257
M74LS258AP	74LS258
M74LS259P	74LS259
M74LS273P	74LS273
M74LS279P	74LS279
M74LS280P	74LS280
M74LS283P	74LS283
M74LS290P	74LS290
M74LS293P	74LS293
M74LS298P	74LS298
M74LS365AP	74LS365A
M74LS366AP	74LS366A
M74LS367AP	74LS367
M74LS368AP	74LS368
M74LS373P	74LS373
M74LS374P	74LS374
M74LS377P	74LS377
M74LS393P	74LS393
M74LS670P	74LS670
M76	160
M77	160
M78	160
M78A	160
M78B	160
M78BLK	160
M78C	160
M78D	160
M78GRN	160
M78RED	160
M78YEL	160
M82	125
M84	104
M84B	121
M85	5673
M85(Triac)	5673
M86	5675
M86(Triac)	5675
M87	5675
M87(Triac)	5675
M91	107
M91A	123A
M91A01	116
M91A02	116
M91A03	116
M91A06	125
M91B	123A
M91BGRN	123A
M91C	123A
M91CM624	123A
M91D	123A
M91E	123A
M91F	123A
M91FM624	123A
M92	5673
M92(Triac)	5673
M93	5675
M93(Triac)	5675
M94	5675
M94(Triac)	5675
M95	109
M97-1A	8098
M97-1.5A	8139
M98	5683
M98(Triac)	5683
M99	5685
M99(Triac)	5685
M100(Triac)	5685
M100(Zener)	312
M100A	116
M100B	116
M100G	116
M100J	116
M100K	125
M100M	125
M101	462§
M102	125
M104(Triac)	5683
M104(TRIAC)	5683
M105	5685
M105(Triac)	5685
M106	5685
M106(Triac)	5685
M107	463§
M108	102A
M112(Triac)	5641
M113(Triac)	5642
M113(TRIAC)	5642
M113HA	282§
M114(D,G,C,S)	464§
M116	465
M117	465
M124J779-1	116
M128J422-1	120
M-128J509-1	161
M-128J510-1	107
M-128J511-3	161
M128J753	120
M132(RadShk)	552
M135	138A
M135-1A	8139
M135-3A	8139
M140-1	107
M140-3	123A
M145-1A	8149
M147-2A	8149
M147-4A	8149
M147-5A	8149
M150	116
M150-1	177
M153-200	5633
M153-300	5635
M153-400	5635
M153-500	5637
M153-600	5637
M154-200	5633
M154-300	5635
M154-400	5635
M154-500	5637
M154-600	5637
M165-200	5633
M165-400	5635
M166-200	5633
M166-400	5635
M172A	116
M204B	116(4)
M300-1300A	128
M304/4050	755
M327R	5967
M328R	5967
M330R	5967
M351	160
M366-1(RadShk)	165
M401	161
M404(Zenith)	298
M423N(Zenith)	116
M433	172A
M446	159
M447	123A
M500	116
M500A	116
M500B	116
M500C	116
M501	121
M511-035-0001	923
M530	128
M546	161
M552-AR35X	187A
M552AR35X	187A
M604	166
M604HT	116
M612	161
M613	161
M614	161
M644	159
M652P1C	129
M670	116
M670A	116
M670B	116
M670C	116
M671	123A
M680	116
M680A	116
M680B	116
M680C	116
M690	116
M690A	116
M690B	116
M690C	116
M700	116
M700A	116
M700B	116
M700C	116
M701B	116
M702	125
M702B	125
M702C	116(2)
M710	116
M710A	116
M710B	116
M710C	116
M720	125
M720A	125
M720B	125
M720C	125
M726	269
M730	125
M730A	125
M730B	125
M730C	125
M758	136A
M773	123A
M773RED	123A
M774	123A
M774ORN	123A
M775	123A
M775BRN	123A
M776	123A
M776GRN	123A
M779	123A(2)
M779BLU	123A
M780	123A(2)
M780WHT	123A
M783	123A
M783RED	123A
M784	123A
M784ORN	123A
M785	123A
M785YEL	123A
M786	123A(2)
M787	123A(2)
M787BLU	123A
M791	123A
M818	123A
M818WHT	123A
M819	154
M822	123A
M822A	123A
M822A-BLU	123A
M822B	123A
M823	123A
M823B	123A
M823WHT	123A
M827	123A
M827BRN	123A
M828	129
M828GRN	123A
M829A	159
M829B	159
M829C	159
M829D	159
M829E	159
M829F	159
M833	159
M844	184
M847BLK	123A
M852	184
M895(Zenith)	123AP
M912	157
M-1002-2	123A
M-1002-17 NC	123A
M1025(IC)	840
M1102	333
M1301	177
M1391P	815
M1400-1	107
M1713DP	5527
M1713MP	5529
M1713NP	5531
M2002	724
M2003	912
M2009	772A
M2016	912
M2032	916
M2032-330	916
M2032-330-BA	916
M2033	829
M2077	1115A
M2102A	2102
M2102AK	2102
M2102AM	2102
M2128-20	2128
M2163	590
M2167	590
M2169	590
M2207	5071A
M2497	116
M2511	5700
M2511F	5700
M2512	5700
M2512F	5700
M2513DP	5545
M2513MP	5547
M2513NP	5548
M2521	5701
M2521F	5701
M2522	5701
M2522F	5701
M2531	5702
M2532	5702
M2541	5703
M2542	5703
M2551	5705
M2552	5705
M2716	2716
M2716F1	2716
M2732AF1	2732
M3013DP	5545
M3013MP	5547
M3013NP	5548
M3016	116
M3081-9	8103
M3519	123A
M3567-2	184
M3764-15RS	2164
M3764-20RS	2164
M4001B	4001B
M4001BP	4001B
M4002BP	4002B
M4006B	4006B
M4006BP	4006B
M4007P	4007
M4007UB	4007
M4007UBP	4007
M4011B	4011B
M4011BP	4011B
M4012B	4012B
M4012BP	4012B
M4013B	4013B
M4013BP	4013B
M4015B	4015B
M4015BP	4015B
M4016B	4016B
M4016BP	4016B
M4017B	4017B
M4017BP	4017B
M4018B	4018B
M4018BP	4018B
M4019B	4019B
M4019BP	4019B
M4020B	4020B
M4020BP	4020B
M4021B	4021B
M4021BP	4021B
M4022B	4022B
M4022BP	4022B
M4023B	4023B
M4023BP	4023B
M4024B	4024B
M4024BP	4024B
M4025B	4025B
M4025BP	4025B
M4027-3	2104
M4027-4	2104
M4027B	4027B
M4027BP	4027B
M4027D-3	2104
M4027D-4	2104
M4027P-3	2104
M4027P-4	2104
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M4028BP	4028B
M4029B	4029B
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M4035B	4035B
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M4049	4049
M4049B	4049
M4049BP	4049
M4049P	4049
M4049UB	4049
M4049UBP	4049
M4050B	4050B
M4050BP	4050B
M4051B	4051B
M4051BP	4051B
M4052B	4052B
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M4053B	4053B
M4053BP	4053B
M4066B	4066B
M4066BP	4066B
M4068B	4068B
M4068BP	4068B
M4069P	4069
M4069UB	4069
M4069UBP	4069
M4069UBRV	4069
M4071B	4071B
M4071BP	4071B
M4072B	4072B
M4072BP	4072B
M4073B	4073B
M4073BP	4073B
M4075B	4075B
M4075BP	4075B
M4076B	4076B
M4076BP	4076B
M4078B	4078B
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M4081B	4081B
M4081BP	4081B
M4082B	4082B
M4082BP	4082B
M4093B	4093B
M4093BP	4093B
M4094B	4094B
M4094BP	4094B
M4099B	4099B
M4099BP	4099B
M4206	121
M4246	121
M4313	102A
M4315	102A
M4327	102
M4331	121
M4363	126A
M4363BLU	126A
M4363GRN	126A
M4363ORN	126A
M4363WHT	126A
M4364	126A
M4365	126A
M4366	126A
M4367	126A
M4368	126A
M4388	126A
M4389	100
M4398	102A
M4439	160
M4442	159
M4450	158
M4454	126A
M4456	126A
M4457	126A
M4459	127
M4462	102A
M4463	104
M4464	123A
M4465	123A
M4466	102A
M4466ORN	158
M4468	102A
M4468BRN	158
M4469	102A
M4469RED	158
M4470	102A
M4470ORN	158
M4471	102A
M4471YEL	158
M4472	102A
M4472GRN	158
M4473	158
M4474	102A
M4474YEL	158
M4475	102A
M4475GRN	158
M4476	102A
M4476BLU	158
M4477	102A
M4477PUR	158
M4478	129
M4482	102
M4483	102
M4484	160
M4485	160
M4486	160
M4501	126A
M4503B	40097B
M4503BP	40097B
M4504	160
M4506	160
M4507	160
M4508B	4508B
M4508BP	4508B
M4509	126A
M4510	158
M4510B	4510B
M4510BP	4510B
M4511B	4511B
M4511BP	4511B
M4512B	4512B
M4512BP	4512B
M4514B	4514B
M4514BP	4514B
M4515B	4515B
M4515BP	4515B
M4516B	4516B
M4516BP	4516B
M4518B	4518B
M4518BP	4518B
M4520B	4520B
M4520BP	4520B
M4521B	4521B
M4521BP	4521B
M4524	160
M4525	159
M4526	160
M4528B	4528B
M4528BP	4528B
M4538BP	4538B
M4539B	4539B
M4539BP	4539B
M4545	126A
M4545BLU	126A
M4545WHT	126A
M4552	144A
M4553	102A
M4553BLU	102A
M4553BRN	102A
M4553GRN	102A
M4553ORN	102A
M4553PUR	105
M4553RED	102A
M4553YEL	102A
M4555B	4555B
M4555BP	4555B
M4556B	4556B
M4556BP	4556B
M4562	158
M4563	102A
M4564	102A
M4565	102A
M4567	102
M4570	104
M4573	102A
M4573(Blu)	102A
M4582	121
M4582BRN	121
M4583	121
M4583RED	121
M4584	121
M4584GRN	121
M4586	126A
M4589	126A
M4590	159
M4594	123A
M4595	102A
M4596	102
M4597	102
M4597GRN	102
M4597RED	102
M4603	126A
M4604	126A
M4605	126A
M4605RED	126A
M4606	121
M4607	102
M4608	121
M4619	104
M4619RED	121
M4620	104
M4620GRN	121
M4621	126A
M4622	105
M4623	127
M4624	123A
M4627	102
M4630	123A
M4632	126A
M4640	179
M4640P	179
M4648	154
M4649	104
M4652	127
M4653	139A
M4659	144A
M4661	121
M4663	147A
M4689	128
M4697	160
M4699	150A
M4700	101
M4701	179
M4702	179
M4704	150A
M4705	123A
M4709	108
M4714	123A
M4715	130
M4722	121
M4722BLU	121
M4722GRN	121
M4722ORN	5483§
M4722PUR	121
M4722RED	121
M4722YEL	121
M4727	104
M4728	151A
M4730	121
M4732	123A
M4733	108
M4734	123A
M4737	123A
M4739	123A
M4745	159
M4756	161
M4757	107
M4765	123A
M4766	121
M4767	121
M4768	123A
M4789	107
M4815	159
M4815D	159
M4819	154
M4820	108
M4821	123A
M4825	107
M4826	108
M4834	123A
M4837	108
M4838	154
M4839	154
M4840	123A
M4840A	107
M4841	123A
M4842	123A
M4842A	123A
M4842C	123A
M4843	154
M4844	123A
M4845	108
M4850	141A
M4851	141A
M4852	123A
M4853	154
M4854	123A
M4855	108
M4857	107A
M4858	147A
M4860	160
M4872	124
M4882	130
M4885	124
M4888	121
M4888A	121
M4888B	121
M4898	123A
M4900	162
M4901	163A
M4904	107
M4906	123A
M4926	123A
M4927	154
M4933	123A
M4935	123A
M4937	123A
M4937(3rd IF)	233
M4943	159
M4974	104
M4974/P1R	104
M4989	159
M4995	163A
M4998	157
M5101	1095
M5101P	1095
M5106	1097
M5106P	1097
M5108	1099
M5108-9170	1099
M5108P	1099
M5109P	917
M5112	1098
M5112Y	1098
M5113	704
M5113T	704
M5115	1110§
M5115P	1110§
M5115P-9085	1110§
M5115PA	1110§
M5115PR	1156
M5115PRA	1156
M5115RP	1156
M5131P	1096
M5133P	913§
M5134	1096
M5134-8266	1096
M5134P	1096
M5135P	1004
M5141T	941
M5143	712
M5143P	712
M5144BP	712
M5144P	712
M5146P	1308
M5152L	1170
M5153	801
M5153P	801
M5155P	1126
M5169	747
M5169P	747
M5171	346
M5176P	747
M5183	749
M5183-8098	749
M5183P	749
M5185	1411
M5185AL	1411
M5185AP	1411
M5186	1430§
M5186AP	1430§
M5186BP	1430§
M5186P	1430§
M5190	738
M5190P	738
M5191P	1050
M5192P	1183§
M5193P	1297
M5193PR	1297
M5195	1298
M5195P	1298
M5195PR	1298
M5216FP	891SM◆
M5216P	891M◆
M5218AL	778S
M5218L	778S
M5218P	778A
M5223P	778A◆
M5224P	987
M5230L	7090
M5236L	1869
M5236ML	1869SM
M5278L-05	977
M5285	102A
M5304	7460
M5304P	7460
M5310	7430
M5310P	7430
M5323BP	7438
M5327P	7473
M5352	7450
M5352P	7450
M5362	7442
M5362P	7442
M5372	7472
M5372P	7472
M5374	7474
M5374P	7474
M5375	7470
M5375P	7470
M5395	7495
M5395P	7495
M5825P	2128
M5930	9930
M5930P	9930
M5932	9932
M5932P	9932
M5933	9933
M5933P	9933
M5935	9935
M5935P	9935
M5936	9936
M5936P	9936
M5937	9937
M5937P	9937
M5944	9944
M5944P	9944
M5945	9945
M5945P	9945
M5946	9946
M5946P	9946
M5948	9948
M5948P	9948
M5949	9949
M5949P	9949
M5952	9099
M5952P	9099
M5953	9093
M5953P	9093
M5955P	9097
M5956	9094
M5956P	9094
M5961	9961
M5961P	9961
M5962	9962
M5962P	9962
M5963	9963
M5963P	9963
M7002	154
M7003	123A
M7014	123
M7015	123A
M7031	121
M7033	123A
M7108	123A
M7108/A5N	123A
M7109	123A
M7109/A5P	123A
M7127	159
M7127/P2S	159
M7171	123A
M7310	197
M7342	127
M7342/P4F	127
M7476	191
M7511	163A
M7543-1	130
M7611AP	1413
M7641	7473
M7644BP	1547
M8014(Transistor)	100
M8062A	102A
M8062B	102A
M8062C	102A
M8105	123A
M8116	126A
M8120	101
M8124	160
M8221	123A
M8222	116
M8399	116
M8482	112
M8482C	112
M8485	109
M8489	519
M8489A	519
M8489-A	109
M8513	600
M8513-0	601
M8513(Lafayette)	600
M8513A	601
M8513A-0	601
M8513A0	600
M-8513-A-01	600
M8513AO	600
M8513A-R	600
M8513-O	519
M8513R	600
M8513-R	601
M8515	139A
M8555	519
M8569	178MP
M8604	102A
M8604A	102A
M8640	158
M8640A	158
M8640E(C-M)	177
M8640E(Transistor)	158
M-8641	123A
M-8641A	158
M9002	158
M9002(Red)	123A
M9003	160
M9003(Brn)	160
M9003(Grn)	160
M9003(Org)	160
M9003(Wht)	160
M9009	160
M9010	108
M9019	121
M9032	107
M9038	160
M9050	129
M9051	487
M9052	487
M9058	160
M9059	123A
M9070	123A
M9075	103A
M9080	160
M9080AC	8080A◆
M9081	160
M9083	121
M9090	127
M9091	121
M9092	103
M9093	103
M9095	123A
M9096	123A
M9098	160
M9104	121
M9105	102A
M9105(Blu)	102A
M9108	160
M9110	123A
M9118	104
M9125	195A
M9126	158
M9135	179
M9136	123A
M9138	128
M9141	121
M9142	121
M9144	123A
M9145	129
M9147	195A
M9148	102
M9159	123A
M9160	158
M9168	126A
M9169	160
M-9169	126A
M9170	123
M9174	195A
M9177	176
M9181	179
M9184	128
M9186	195A

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
M9187	195A
M9190	160
M9197	199
M9198	102A
M9199	123A
M9202	121
M9206	116
M9209	128
M9221	128
M9225	175
M9226	123A
M9228	128
M9235	116(4)
M9237	121
M9241	121
M9244	130
M9245	123A
M9251	105
M9252	108
M9255	121
M9256	6401
M9257	129
M9258	160
M9259	130
M9260	195A
M9263	121
M9264	6400B
M9265	198
M9266	161
M9269	199
M9271	195A
M9274	175
M9278	130
M9282	123
M9285	195A
M9286	198
M9287	124
M9293	199
M9294	121
M9299	123A
M9301	175
M9302	130
M9306	314
M9308	129
M9309	175
M9312	116
M9314	116
M9316	175
M9317	116
M9319	116
M9320	198
M9321	130
M9323	123A
M9325	123A
M9328	159
M9329	199
M9334	159
M9338	199
M9342	121
M9344	180
M9347	179
M9348	153
M9355	195A
M9357	123A
M9359	180
M9366	123A
M9377	123A
M9378	123A
M9380	128
M9384	199
M9385	6409§
M9389	289A
M9390	123A
M9393	175
M9398	129
M9400	129
M9408	162
M9409	199
M9412	234
M9416	199
M9418	123A
M9420	121
M9426	129
M9430	195A
M9431	195A
M9432	129
M9435	129
M9436	121
M9447	199
M9450	161
M9453	123A
M9458	121
M9465	198
M9467	234
M9474	199
M9475	123
M9480	181
M9481	161
M9482	108
M9483	107
M9486	199
M9491	123
M9514	159
M9515	130
M9517	121
M9519	128
M9520	129
M9521	192§
M9525	123A
M9526	159
M9527	159
M9528	123AP
M9531	159
M9532	123A
M9536	225
M9547	199
M9550	121
M9556	184
M9561	401/128
M9562	128
M9563	123A
M9565	312
M9568	123A
M9570	123A
M9571	159
M9572	123AP
M9575	108
M9576	152
M9580	350
M9582	185
M9583	351
M9586	359
M9587	350
M9588	347
M9590	6409§
M9591	346
M9594	199
M9599	311
M9610	476
M9616	476
M9617	359
M9618	184
M9622	353
M9623	354
M9624	355
M9625	356§
M9627	158
M9627(T0-3)	130
M9628	181
M9629	181*
M9631	346
M9639	181
M9640	188
M9641	189
M9642	123AP
M9643	159
M9649	159
M9653	451
M9657	346
M9659	476
M9661	152
M9665	320
M9666	390
M9671	281
M9675	123A
M9676	196
M9676/NPN	196
M9677	197
M9677/PNP	197
M9701	197
M9703	346
M9711	320
M9715	181
M9740	366
M9741	366
M9755	367
M9765	350
M9773	316
M9775	351
M9781	356§
M9810	121
M9814	105
M9859	341
M9876	483
M9877	484
M9959	481
M9981	126A
M31001	123A
M33611	5011A
M40160B	40160B
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M40175B	40175B
M40175BP	40175B
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M40273CD	2104
M40273CP	2104
M40274C	2104
M40274CD	2104
M40274CP	2104
M40275C	2104
M40275CD	2104
M40275CP	2104
M41223-2	116
M50100SB200	5348
M50100SB400	5348
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M50100SB1200	5348
M50100TB200	5338
M50100TB400	5338
M50100TB600	5338
M50100TB800	5338
M50100TB1000	5338
M50100TB1200	5338
M51011	1432
M51011AT	1432
M51011BT	1432
M51011P	1432
M51103L	1362
M51124	1098
M51144	1438
M51144BP	1438
M51144L	1438
M51171L	1301
M51172	1436
M51172BL	1436
M51172P	1436
M51173P	1488
M51182	1467
M51182BP	1467
M51182L	1467
M51204	1434§
M51204L	1434§
M51204LA	1434§
M51247	1173§
M51247P	1173§
M51307BSP	1846
M51354	1656◆
M51354AP	1656◆
M51354P	1656◆
M51355	1653
M51355BP	1653
M51355P	1653
M51356	1656
M51356BP	1656
M51356P	1656
M51358P	1545
M51365P	7015
M51365SP	7015
M51366SP	1847
M51368P	1413
M51375	1418
M51375AP	1418
M51375P	1418
M51376	7014
M51376BSP	7014
M51376SP	7014
M51389P	1437
M51513L	1256§
M51514	1366§
M51514AL	1366§
M51514AT	1366§
M51515	1291§
M51515BL	1291§
M51515L	1291§
M51516	1361
M51516AP	1361
M51516L	1361
M51517	1364§
M51517L	1364§
M51517LA	1364§
M51518	1362
M51518L	1362
M51518LA	1362
M51521	1659
M51521BL	1659
M51521L	1659
M51544	1517
M51544AP	1517
M51544L	1517
M51709T	909
M51725L	1300
M51802	941M
M51802L*	941S
M51841P	955M
M51848AP	955M
M51848BL	955S
M51848L	955S
M51848P	955M
M51903	1510
M51903AP	1510
M51903L	1510
M51995(16 DIP)	7109
M51995P	7109
M52055P	7110
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M53210	7410
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M53214P	7414
M53216P	7416
M53217P	7417
M53220	7420
M53220P	7420
M53225P	7425
M53227P	7427
M53230	7430
M53230P	7430
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M53238P	7438
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M53247P	7447
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M53248A	7448
M53248P	7448
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M53250P	7450
M53253	7453
M53253P	7453
M53260	7460
M53260P	7460
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M53270P	7470
M53272	7472
M53272P	7472
M53273	7473
M53273P	7473
M53274	7474
M53274P	7474
M53275	7475
M53275P	7475
M53276	7476§
M53276P	7476§
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M53280P	7480
M53283	7483
M53283P	7483
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M53286	7486
M53286P	7486
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M53290P	7490
M53291	7491
M53291P	7491
M53292	7492
M53292P	7492
M53293	7493A
M53293P	7493A
M53295	7495
M53295P	7495
M53296	7496
M53296P	7496
M53307	74107
M53307P	74107
M53321	74121
M53321P	74121
M53322P	74122
M53323P	74123
M53325P	74125
M53326P	74126
M53332P	74132
M53345P	74145
M53350P	74150
M53351	74151
M53351P	74151
M53353P	74153
M53354N	74154
M53354P	74154
M53355P	74155
M53356P	74156
M53360P	74160
M53361P	74161
M53362P	74162
M53363P	74163
M53364P	74164
M53365P	74165
M53366P	74166
M53370P	74170
M53374P	74174
M53375P	74175
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M53381P	74181
M53382P	74182
M53390P	74190
M53391P	74191
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M53393P	74193
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M53399P	74199
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M54524P	2011
M54525P	2012
M54526P	2014
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M54528CPN	2076
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M54529CPN	2075
M54529P	2075
M54530P	2074
M54531CPN	2074
M54531P	2074
M54533CPN	2073
M54533P	2073
M54534CPN	2072
M54534P	2072
M54535CPN	2071
M54535P	2071
M54536CPN	2070
M54536P	2070
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M54548L	1891
M54549L	1892
M54649L	7091
M58478	1581
M58478P	1581
M58478PR	1581
M58485	1738
M58485BP	1738
M58485P	1738
M58725	2128
M58725P	2128
M58732S	2708
M58732S-1	2708
M75205-1	5870
M75205-2	5871
M75516-2	160
M75516-2P	160
M75516-2R	160
M75517-1	102A
M75517-2	102A
M-75536-1	128
M-75536-2	128
M75537-2	176
M75543-1	152
M75545-1	161
M75547-1	108
M75547-2	108
M75549-2	130
M-75557-1	123A
M-75557-2	123A
M-75557-3	123A
M-75557-4	123A
M-75557-5	123A
M-75557-6	123A
M75561-7	102A
M75561-8	129
M75561-10RK	220
M75561-17	129
M75561-23	221
M75561-23RN	221
M75565-1	123
M100449	358
M105064	120
M105330	358
M109474	113A
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M251512F	5700
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M251514F	5700
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M755162-P	160
M755162-R	160
M8534992	113A
M73260900	960
M73260901	966
M74260912	7407
M74260913	74LS27
M74260914	74LS125A
M74260941	74LS00
M74260979	74LS86
M80260957	5111A
M96260960	159
M96260961	123AP
MA0401	129
MA0402	129
MA1	160
MA2	116
MA3	109
MA3.0EB	5004A
MA8	109
MA10	172A
MA12/16	502
MA23	OBS-NLA
MA23(TRAN)	102A
MA23A	OBS-NLA
MA-23B	OBS-NLA
MA23B	OBS-NLA
MA25	OBS-NLA
MA25(TRAN)	102A
MA25A	OBS-NLA
MA-25A	OBS-NLA
MA25SR	102A
MA-26	601
MA26	601
MA-26-1	601
MA26A	601
MA26G	601
MA26T	601
MA26T0A	605A
MA26T0B	605A
MA26TA	605A
MA26TO-A	605A
MA26TO/A	605A
MA26TO-B	605A
MA26W	605A
MA26W0	605A
MA26W0B	605A
MA26WA	601
MA26WB	605A
MA26WD	605A
MA26WO	605A
MA26WO-B	605A
MA27A	605A◆
MA27B	605A◆
MA27T	605A
MA27T-A	605A◆
MA27TB	605A◆
MA27TBTA	605A
MA27W	605A
MA27WA	605A
MA27WATA	605A
MA27WB	605A
MA27WBTA	605A
MA51A	109
MA55	109
MA56	519
MA57	594
MA61	6408
MA62	6408
MA90	109
MA101	116
MA102	116
MA105	519
MA110	116
MA112	102
MA113	102
MA114	102
MA115	102
MA116	102
MA117	102
MA140	177
MA-150	519
MA150	519
MA150DD	519
MA150FV	519
MA150LF	519
MA150TA	519
MA150TA5	519
MA150TP	519
MA151A	519
MA151K	593
MA151K-TW	519
MA151WA	596
MA151WK	595
MA152K	593
MA152WA	596
MA152WK	595
MA152WK-TW	595
MA152WKTX	595
MA154WA	591
MA154WK	590
MA155WA	591
MA155WK	590
MA158	592
MA159	519(2)
MA161	519
MA161C	519
MA161TA	519
MA161TA5	519
MA162	519
MA162A	519
MA162LF	519
MA162TA5	519
MA162TP	519
MA165	519
MA165-T	519
MA165TA	519
MA165TA5	519
MA165TAS-VT	519
MA165-Y	519
MA166	519
MA166C	519
MA167	519
MA170	519
MA171	519
MA171TA5	519
MA175WA	591
MA175WK	590
MA176WA	591
MA176WK	590
MA178	519
MA179	519
MA180	519
MA181	116
MA182	116
MA183	116
MA184	116◆
MA185	116◆
MA186	116◆
MA188	587
MA190	519
MA195	519
MA196	519
MA211	116
MA215	116
MA240	102A
MA242	116
MA242RC	156
MA286	100
MA287	100
MA288	100
MA301	612
MA302	613
MA303	614
MA320	612
MA320G1NR	612
MA324	616
MA330	611
MA332	613
MA340	610
MA350	116
MA351	116
MA393	102A
MA393A	102A
MA393B	102A
MA393C	102A
MA393E	102A
MA393G	102A
MA393R	102A
MA551	593
MA603	6244#
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MA689	597#
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MA693	6241#
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MA695	6247#
MA700	584
MA729	720
MA732	718
MA737	705A
MA741HC	941
MA746	790
MA749	6085#
MA749A	6087#
MA750	6085#
MA750A	6087#
MA751	6090#
MA751A	6090#
MA752	6087#
MA752A	6087#
MA755	6086#
MA756	6086#
MA758	743
MA760	6086#
MA761	6086#
MA767	722
MA767PC	722
MA771	6090#
MA771A	6090#
MA780	714
MA781	715
MA815	102A
MA856	519◆
MA856TV	519
MA858	519
MA859	519
MA894	102
MA895	102
MA896	102
MA897	102
MA898	102
MA899	102
MA900	102
MA901	100
MA902	102A
MA903	102A
MA904	102A
MA1024	5000A
MA1024L	5000A
MA1027	5002A
MA1030	5004A
MA1030M	5004A
MA1033	5005A
MA1036	5006A
MA1039	5007A
MA1043	5008A
MA1043H	5008A
MA1043M	5008A
MA1047	5009A
MA1047A	5009A
MA1051	5010A
MA1051M	5010T1
MA1051TP	5010A
MA1056	5011A
MA1056M	136A
MA1062	5013A
MA1062H	5013A
MA1062LF	5013A
MA1062LM	5013A
MA1062M	5013A
MA1064A	5014A
MA1068	5014A
MA1068T	5014A
MA1075	5015A
MA1075TA	5015A
MA1082	5016A
MA1091	5018A
MA1100	5019A
MA1100M	5019T1
MA1110	5020A
MA1110TA	5020A
MA1120	5021A
MA1120A	5021A
MA1120L	5021A
MA1125	712
MA1128	712
MA1130	5022A
MA1130A	5022A
MA1130LF	5022A
MA1130MH	5022A
MA1150	5024A
MA1150A	5024A
MA1160	5025A
MA1180	5027A
MA1200	5029A
MA1220	5030A
MA1240	5031A
MA1270	5033A
MA1300	5035A
MA1300M	5035A◆
MA1318	102A
MA1330	5036A
MA1360	5037A
MA1360H	5037A◆
MA1360M	5037A◆
MA1390	5038A
MA1700	102
MA1703	102
MA1704	102
MA1705	102
MA1706	102
MA1707	102
MA1708	102
MA2051	135A
MA2056	136A
MA2062	137A
MA2068	5071A
MA2075	138A
MA2082	5072A
MA2091	139A
MA2100	140A
MA2100B	5019T1
MA2110	5074A
MA2120	142A
MA2130	143A
MA2180	5077A
MA2200	5079A
MA2220	5080A
MA2240	5081A
MA2270	146A
MA2300	5084A
MA2330	147A
MA2360	5085A
MA2390	5086A
MA2430	5087A
MA2470	5088A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MA2510	5089A
MA2560	5090A
MA2650-A	601
MA3065	712
MA3065PC	712
MA4024	5000A◆
MA4027	5002A◆
MA4027M	5002A◆
MA4027MTA	5002A◆
MA4030	5004A◆
MA4030M	5004A◆
MA4030M-Y	5004A◆
MA4033	5005A◆
MA4033L	5005A◆
MA4036	5006A◆
MA4036-M	5006A◆
MA4039	5007A◆
MA4043	5008A◆
MA4043H	5008A◆
MA4047	5009A◆
MA4047-H	5010T1◆
MA4047H-Y	5010T1◆
MA4047M	5009A◆
MA4047MTA	5009A
MA4047M-Y	5009A◆
MA4051	5010A◆
MA4051H	5010T1
MA4051LM	5010T1
MA4051M	5010T1◆
MA4051MTA	5010T1
MA4056	5011A◆
MA4056(M)	5011T1◆
MA4056(M)-Y	5011T1◆
MA4062	5013A◆
MA4062H	5013T1◆
MA4062HTA	5013T1◆
MA4062-L	5012A◆
MA4062M	5013T1◆
MA4062-M-Y	5013T1◆
MA4088	5014A◆
MA4068(N)V1	5014A◆
MA4068(N)V1-Y	5014A◆
MA4068M	5014A◆
MA4075	5015A◆
MA4082	5016A◆
MA4082-M	5016A◆
MA4082M	5016A◆
MA4082-M-Y	5016A◆
MA4091	5018A◆
MA4091-L	5017A◆
MA4091-M	5018A◆
MA4091-M-Y	5018A◆
MA4100	5019T1
MA4100(M)-Y	5019T1
MA4100H	5019T1◆
MA4100M	5019T1
MA4101	123A
MA4102	123A
MA4103	123A
MA4104	123A
MA4110	5020A◆
MA4110-M	5020A◆
MA4110TA	5020A
MA4120	5021A◆
MA4120H	5021T1◆
MA4120M	5021T1◆
MA4120MTA	5021T1◆
MA4120M-Y	5021T1◆
MA4130H-Y	5023A◆
MA4150	5024A◆
MA4150(L)	5024A◆
MA4150(L)-Y	5024A◆
MA4150LM	5024A◆
MA4150M	5024A◆
MA4150M-Y	5024A◆
MA4160-M	5025A◆
MA4180	5027A◆
MA4180M	5027A◆
MA4200	5029A◆
MA4220	5030A◆
MA4220M	5030A
MA4240	5031A◆
MA4240-M	5031A◆
MA4270	5033A◆
MA4270(Blue)	146A◆
MA4270(Red)	5083A◆
MA4270H	5083A◆
MA4270M	146A◆
MA4270M-Y	146A◆
MA4300	5035A◆
MA4330(L)	5036A◆
MA4330(L)-Y	5036A◆
MA4330(M)	5036A◆
MA4330(M)-Y	5036A◆
MA4360	5037A◆
MA4360M	5037A
MA4388	612
MA4404	102
MA4404A	102
MA4670	121
MA6001	123A
MA6002	123A
MA6003	123A
MA6101	128
MA6102	123A
MA6301	1120
MA6301T	1120
MA6875	288
MA7300	2002§
MA7300PC	2002§
MA7805	960
MA7812UC	966
MA7815UC	968
MA7912UC	967
MA8001	128
MA8003	128
MA9001	311
MA9003	311
MA9426	123A
MA45071	612
MA45111	610
MA45112	611
MA45114	613
MA45115	614
MA45131	610
MA45132	611
MA45134	613
MA45151	612
MA45158	610
MA45160	611
MA45161	612
MA45168	610
MA45171	612
MA451670	611
MAA504	909D
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MAC2-3	5667A
MAC2-4	5667A
MAC2-5	5667A
MAC2-6	5667A
MAC2-7	5667A
MAC2-8	5667A
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MAC5-4	5667A
MAC5-5	5667A
MAC5-6	5667A
MAC5-7	5667A
MAC5-8	5667A
MAC10-1	5612
MAC10-2	5612
MAC10-3	5613
MAC10-4	5614
MAC10-5	5616
MAC10-6	5616
MAC10-7	5618
MAC10-8	5618
MAC11-1	5622§
MAC11-2	5622§
MAC11-3	5623
MAC11-4	5624§
MAC11-5	5626§
MAC11-6	5626§
MAC11-7	5618
MAC11-8	5618
MAC15-4	56004
MAC15-4FP	5671
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MB7121EC	74S572

◆, #, ❷, *, +, §, ‡ - See Special Notes on Page 2-2

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MB84072B	4072B
MB84073	4073B
MB84073B	4073B
MB84075	4075B
MB84075B	4075B
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MB84085	4085B
MB84086	4086B
MB84099	4099B
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MB84518B	4518B
MB84520	4520B
MB84520B	4520B
MB840085	40085B
MB840097	40097B
MB840098	40098B
MB840160	40160B
MB840161	40161B
MB840162	40162B
MB840163	40163B
MB840174	40174B
MB840175	40175B
MB840192	40192B
MB840193	40193B
MB840194	40194B
MB840195	40195B
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MBM2764-30	2764
MBM8128	2128
MBM8128-15	2128
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MBM8264-15C	2164
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MBM8264-20C	2164
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MBM8265-20C	6664
MBM8265-20M	6664
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MBM8265M	6664
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MBR140P	585
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MC022	116
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MC023	116
MC023A	116
MC025	116
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MC040A	116
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MC080	125
MC080A	125
MC090	125
MC090A	125
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MC74HC32N	74HC32
MC74HC86N	74HC86
MC74HC109N	74HC109
MC74HC123N	74HC123
MC74HC125N	74HC125
MC74HC126N	74HC126
MC74HC132N	74HC132
MC74HC138N	74HC138
MC74HC139N	74HC139
MC74HC151N	74HC151
MC74HC153N	74HC153
MC74HC154N	74HC154
MC74HC161N	74HC161
MC74HC163N	74HC163
MC74HC164N	74HC164
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MC74HC174N	74HC174
MC74HC175N	74HC175
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MC74HC257N	74HC257
MC74HC259N	74HC259
MC74HC273N	74HC273
MC74HC299N	74HC299
MC74HC373N	74HC373
MC74HC374N	74HC374
MC74HC377N	74HC377
MC74HC390N	74HC390
MC74HC393N	74HC393
MC74HC573N	74HC573
MC74HC574N	74HC574
MC74HC4020N	74HC4020
MC74HC4040N	74HC4040
MC74HC4053N	74HC4053
MC74HC4060N	74HC4060
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MC74HCT161N	74HCT161
MC74HCT163N	74HCT163
MC74HCT174N	74HCT174
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MC74HCT244N	74HCT244
MC74HCT273N	74HCT273
MC74HCT373N	74HCT373
MC74HCT374N	74HCT374
MC74HCT573N	74HCT573
MC74HCT574N	74HCT574
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MC78L06AV	988
MC78L08	981
MC78L08ACP	981
MC78L08ACZ	981
MC78L08CP	981
MC78L09ACZ	1902
MC78L12AC	950
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MC78L18CP	1906
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MC78M12CP	966
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MC78M15CP	968
MC78M15CT	968
MC78M18CT	958
MC78M24CP	972
MC78M24CT	972
MC78T05CK	931
MC78T05K	931
MC78T12CK	1912
MC78T12CZK	1912
MC78T12K	933
MC78T15CK	1918
MC78T15CZ	1918
MC79L05	1917
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MC79L15ACP	1905
MC79L15ACZ	1905
MC79L15BCP	1905
MC79L15CP	1905
MC79L18ACP	1907
MC79L18CP	1907
MC79L24ACP	1909
MC79L24ACZ	1909
MC79L24BCP	1909
MC79L24CP	1909
MC79M05CT	961
MC79M12CT	967
MC79M15CT	969
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MC106	610
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MC112	610
MC112A	610
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MC115A	613
MC116	614
MC116A	614
MC170	116
MC178AP	159
MC201	612
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MC301	553
MC302	553
MC308	109
MC407	610
MC410	611
MC456	116
MC607	610
MC610	611
MC660P	9660
MC661P	9661
MC662P	9662§
MC663P	9663§
MC664P	9664§
MC665P	9665
MC666P	9666
MC667P	9667§
MC668P	9668§
MC669P	9669
MC670P	9670§
MC671P	9671§
MC672P	9672§
MC673P	9673
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MC676P	9676§
MC677P	9677§
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MC681P	9681
MC682P	9682§
MC683P	9683§
MC684P	9684
MC685P	9685§
MC686P	9686
MC688P	9688
MC689P	9689§
MC690P	9690§
MC691P	9691§
MC696P	9696§
MC700G	9900
MC703G	9903
MC704G	9904
MC705G	9905
MC706G	9906
MC707G	9907
MC708G	9908
MC709G	9909
MC710G	9910§
MC711G	9911
MC712G	9912
MC713G	9913
MC714G	9914
MC715G	9915
MC715P	9915
MC717P	OBS-NLA
MC721G	9921
MC723G	OBS-NLA
MC723P	OBS-NLA
MC724P	9924§
MC726G	9926
MC727G	9927
MC774G	9974§
MC776P	9976
MC789	9989
MC789G	9989
Mc789P	9989
MC789P	9989
MC800G	9900
MC803G	9903
MC804	177
MC804G	9904
MC805G	9905
MC806G	9906
MC807G	9907
MC808G	9908
MC809G	9909
MC810G	9910§
MC811G	9911
MC812G	9912
MC813G	9913
MC814G	9914
MC815G	9915
MC816G	OBS-NLA
MC817P	OBS-NLA
MC821G	9921
MC823G	OBS-NLA
Mc824P	9924§
MC824P	9924§
MC826G	9926
MC827G	9927
MC830L	9930
MC830P	9930
MC831L	9931
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MC845L	9945
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MC846L	9946
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MC849L	9949
MC849P	9949
MC850L	9950
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MC851P	9951
MC852L	9099
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MC853L	9093
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MC855P	9097
MC856L	9094
MC856P	9094
MC857L	9157
MC857P	9157
MC858	9158
MC858L	9158
MC858P	9158
MC861L	9961
MC861P	9961
MC862L	9962
MC862P	9962
MC863L	9963
MC863P	9963
MC874G	9974§
Mc876P	9976
MC876P	9976
MC889G	9989
MC889P	9989
MC911	591
MC916G	OBS-NLA
MC921	590
MC944	9944
MC944L	9944
MC1202P	2040§
MC1303	725
MC1303L	725
MC1303P	725
MC1304	718
MC1304PQ	718
MC1305P	720
MC1305P-C	720
MC1305PQ	720
MC1306P	745§
MC1307	722
MC1307P	722
MC1307PQ	722
MC1309/C	1226
MC1309C	1226
MC1309P	1226
MC1310	801
MC1310A	801
MC1310P	801
MC-1310P	801
MC1311P	743
MC1312P	799
MC-1312P	799
MC1314G	704
MC1314P	802
MC1315P	803
MC1316	814A§
MC1316GP	814A§
MC1315P	814A§
MC1316PC	814A§
MC1324P	739
MC1324PQ	739
MC1326P	739
MC1326PQ	739
MC1328G	707
MC1328P	790
MC1328PQ	790
MC1329P	713
MC1329PQ	713
MC1330A	747
MC1330A1P	747
MC1330P	747
MC1339P	721
MC1339PQ	721
MC1344	779A
MC1344P	779A
MC1345P	779A
MC1345PQ	779A
MC1349P	795§
MC1350	746
MC1350P	746
MC1350PQ	746
MC1351P	748A
MC1351PQ	748A
MC1352	749
MC-1352P	749
MC1352P	749
MC1352PQ	749
MC1353P	1080§
MC1353PQ	1080§
MC1355P	750§
MC1355PQ	750§
MC1356P	737§
MC1357	708
MC1357P	708
MC1357PQ	708
MC1358	712
MC1358C	712
MC1358P	712
MC1358PQ	712
MC1364	783§
MC1364G	780
MC1364P	783§
MC1364PQ	783§
MC1370	714
MC1370P	714
MC1370PQ	714
MC1371	715
MC1371P	715
MC1371PQ	715
MC1372	855
MC1372ML	855
MC1372P	855
MC1373	856
MC1373ML	856
MC1373P	856
MC1375P	723
MC1375PQ	723
MC1377P	879
MC1389P	788
MC1391P	815
MC1393	794§
MC1393AP	794§
MC1393P	794§
MC1394P	836
MC1398	738
MC-1398P	738
MC1398P	738
MC1398PQ	738
MC1399	835§
MC1399P	835§
MC1408-7N	2056
MC1408P-6	2056
MC1408P-7	2056
MC1411P	2011
MC1412P	2012
MC1413P	2013
MC1416P	2014
MC1422P1	833
MC1455D	955SM
MC1455P1	955M
MC1458	778A
MC1458C	778A
MC1458CP	778A
MC1458CP1	778A
MC1458G	778A
MC1458N	778A
MC1458P	778A
MC1458P1	778A
MC1458SD	778SM
MC1458SP1	778A
MC1458SU	778A
MC1458V	778A
MC1460	946§
MC1460R	946§
MC1461R	946§
MC1468L	921◆
MC1488	75188
MC1488CL	75188
MC1488CP	75188
MC1488F	75188
MC1488J	75188
MC1488L	75188
MC1488N	75188
MC1488P	75188
MC1488PD	75188
MC1489	75189
MC1489AL	75189
MC1489CL	75189
MC1489CP	75189
MC1489F	75189
MC1489J	75189
MC1489L	75189
MC1489N	75189
MC1489P	75189
MC1496	973§
MC1496A	973D
MC1496G	973§
MC1496N	973D
MC1496P	973D
MC1520(Diode)	116
MC1521	116
MC1522(Diode)	116
MC1523(Diode)	116
MC1524(Diode)	116
MC1527(Diode)	125
MC1528(Diode)	125
MC1529(Diode)	125
MC1550G	816§
MC1550P	817§
MC1560	946§
MC1709CG	909
MC1709CP	909
MC1709CP1	909
MC1709CP2	909D
MC1709P2	909D
MC1710CG	910
MC1710CL	910D
MC1710CP2	910D
MC1710P2	910D
MC1711CG	911
MC1711CL	911D§
MC1723CG	923
MC1723CL	923D
MC1723CP	923D
MC1723G	923
MC1733CG	927
MC1733CL	927D
MC1733CP	927D
MC1733D	927SM
MC1733DN1	927SM
MC1741CD	941SM
MC1741CG	941
MC1741CL	941D
MC1741CP	941M
MC1741CP1	941M
MC1741CP2	941D
MC1741P1	941M
MC1741SCG	918
MC1741SCP1	918M
MC1747CG	947
MC1747CL	947D
MC1747CP	947D
MC1747CP1	947D
MC1747CP2	947D
MC1747LCG	947
MC1747LCP2	947D
MC1748P1	975
MC1776CP	888M
MC1776CP1	888M

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MC1776CPZ	888M
MC1800P	9800
MC1801P	9801
MC1802P	9802
MC1803P	9803
MC1804P	9804
MC1805P	9805
MC1806P	9806
MC1807P	9807
MC1808P	9808
MC1809P	9809
MC1810P	9810
MC1811P	9811
MC1812P	9812
MC1813P	9813
MC1814P	9814
MC1816L	9111
MC1816P	9111
MC1938	738
MC2315-3	5482§
MC2326	177
MC2526	109
MC2838	595
MC3000L	74H00
MC3000P	74H00
MC3001	1192
MC3001(J.C.PENNY)	1192
MC3001AN	1192
MC3001AT	1192
MC3001L	74H08
MC3001P	74H08
MC3004L	74H01
MC3004P	74H01
MC3005L	74H10
MC3005P	74H10
MC3006P	74H11
MC3006P	74H11
MC3008L	74H04
MC3008P	74H04
MC3009L	74H05
MC3009P	74H05
MC3010L	74H20
MC3010P	74H20
MC3011L	74H21
MC3011P	74H21
MC3012L	74H22
MC3012P	74H22
MC3016L	74H30
MC3016P	74H30
MC3018L	74H62
MC3018P	74H62
MC3019L	74H61
MC3019P	74H61
MC3020L	74H50
MC3020P	74H50
MC3021L	74H86
MC3021P	74H86
MC3023L	74H51
MC3023P	74H51
MC3024L	74H40
MC3024P	74H40
MC3030L	74H60
MC3030P	74H60
MC3031L	74H52
MC3031P	74H52
MC3032L	74H53
MC3032P	74H53
MC3033L	74H54
MC3033P	74H54
MC3034L	74H55
MC3034P	74H55
MC3054L	74H71
MC3054P	74H71
MC3055L	74H72
MC3055P	74H72
MC3061P	74S114
MC3062P	74S113
MC3063L	74H73
MC3063P	74H73
MC3301L	992
MC3301P	992
MC3302	834
MC3302P	834
MC3303J	987◆
MC3303L	987◆
MC3303N	987◆
MC3303P	987◆
MC3310	838
MC3310P	838
MC3320P	839
MC3340	829
MC-3340P	829
MC3340P	829
MC3340PA	829
MC3346P	912
MC3357	853
MC3357P	853
MC3359GP	860
MC3359P	860
MC3373	1714M
MC3386P	912
MC3403J	987◆
MC3403L	987◆
MC3403N	987◆
MC3403P	987◆
MC3456P	978
MC3458D	891SM
MC3458G	877
MC3458P1	891M
MC3458U	891M
MC3470	3470
MC3470A	3470◆
MC3470AP	3470◆
MC3470N	3470
MC3470P	3470
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MC3476G	944◆
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MFC6034	765§
MFC6034A	765§
MFC6040	829
MFC6050	767§
MFC6060	768
MFC6080	770

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MFC8020	772A
MFC8020A	772A
MFC8021	772A
MFC8021A	772A
MFC8022A	772A
MFC8030	773
MFC8070	776
MFE121	222
MFE130	222
MFE130-1-712	222
MFE130-712	222
MFE131	222
MFE631	222
MFE2004	466
MFE2005	466
MFE2006	466
MFE2007	466
MFE2098	466
MFE3004	220
MFE3005	220
MFE3006	222
MFE3007	222
MFE3008	222
MFP121	222
MG9623	123A
MGL75A	138A
MGLA39	134A
MGLA39A	5067A
MGLA39B	134A
MGLA43B	5068A
MGLA47	135A
MGLA47A	5069A
MGLA47B	135A
MGLA51	135A
MGLA51A	135A
MGLA51B	135A
MGLA56	136A
MGLA56A	136A
MGLA56B	136A
MGLA62	137A
MGLA62A	137A
MGLA62B	137A
MGLA68B	5071A
MGLA82B	5072A
MGLA91	139A
MGLA91A	139A
MGLA91B	139A
MGLA100	140A
MGLA100A	140A
MGLA100B	140A
MGP06A	552
MGP06B	552
MGP06D	552
MGP06G	552
MGP06J	552
MGP06K	558
MGP06M	558
MH67	116
MH68	116
MH70	116
MH71	116
MH72	125
MH350L12K	542
MH353	536A
MH353A	536A
MH353A01	536A
MH353A02	536A
MH353B	536A
MH353B02	536A
MH353B03	536A
MH353C01A	536A
MH353C02A	536A
MH353C03A	536A
MH354	500A
MH383-B01	500A
MH401	525
MH500	116
MH670	116
MH680	116
MH700	116
MH710	116
MH720	125
MH730	125
MH909A01	563
MH913	522
MH913-5	522
MH913A01	522
MH914	500A
MH914A01	500A
MH915A03	532
MH915A05	532
MH915A06	532
MH915A09	532
MH915A10	532
MH915A11	532
MH915A12	531
MH915A13	531
MH915A14	531
MH915A16	531
MH915A17	532
MH915A18	532
MH915A19	531
MH915A20	531
MH915A21	532
MH915A22	532
MH915B01	532
MH915C01	532
MH915C02	531
MH919	522
MH919A01	522
MH919A03	521
MH919A04	522
MH919A05	522
MH919A08	522
MH919A09	522
MH919A11	522
MH919A12	522
MH919A13	522
MH919A14	522
MH919A16	522
MH919A17	522
MH919A18	522
MH919B01	522
MH919B03	522
MH919B07	522
MH919B08	522
MH919D01	522
MH919F01	522
MH919F02	522
MH919F03	522
MH919F04	522
MH919H01	522
MH919J01	522
MH919J02	522
MH919P01	522
MH919T01	522
MH919T02	522
MH919T03	522
MH919T04	522
MH920	500A
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MH920A03	500A
MH920A04	500A
MH920A05	500A
MH920A06	500A
MH920A07	500A
MH920A08	500A
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MH920B01	521
MH920B02	521
MH920B05	500A
MH920B08	521
MH920F01	500A
MH920H02	500A
MH920H04	500A
MH920H05	500A
MH920H06	500A
MH920J01	500A
MH920J02	500A
MH920L01	433/500A
MH920P01	500A
MH931	522
MH931A01	522
MH931A02	522
MH931A04	522
MH931A05	522
MH931A06	522
MH931A07	522
MH931D01	522
MH931D02	522
MH932	500A
MH932A01	500A
MH943	534
MH943A01	534
MH943C01	534
MH946A01	550
MH946B01	550
MH946E01	550
MH970A	531
MH970A01	533
MH970A02	533
MH970A05	533
MH970A06	533
MH970A07	533
MH970B01	533
MH970C01	537
MH970C02	533
MH970C05	533
MH970C06	537
MH970E01	537
MH970E02	533
MH970G01	537
MH970G02	533
MH970L02	533
MH980A	532
MH980A01	537
MH980A02	537
MH980A03	537
MH980A04	537
MH980A05	537
MH983A01	522
MH983A02	522
MH983A03	522
MH983A04	522
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MH987A02	500A
MH987A03	500A
MH987A04	521
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MH988A03	536A
MH1001H01	538
MH1001H02	538
MH1001H03	539
MH1001H04	539
MH1001H05	539
MH1001H06	539
MH1001H07	539
MH1002	522
MH1002A01	522
MH1004B01*	539
MH1011B01*	539
MH1011C01	538
MH1011C02	539
MH1011C03	539
MH1011C05	539
MH1011C06	539
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MH1201	529
MH1201A01	529
MH1201A02	529
MH1201A03	535
MH1201A05	529
MH1201A06	535
MH1201A08	549
MH1201A10	549
MH1201A11	549
MH1201A12	557
MH1201A13	557
MH1201B01	529
MH1201B02	529
MH1201B03	529
MH1201C01	529
MH1201E01	529
MH1201F02	554§
MH1201G01	556
MH1201H01	565
MH1201V01	565
MH1203	523/3306
MH1203A01	523/3306
MH1203A02	523/3306
MH1203B01	523/3306
MH1203B02	523/3306
MH1203B03	523/3306
MH1203B04	523/3306
MH1203B06	523/3306
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MH1203B10	523/3306
MH1203B11	526A
MH1203B12	523/3306
MH1203B13	523/3306
MH1203B14	523/3306
MH1203B15	523/3306
MH1203C01	523/3306
MH1203C02	526A
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MH1203F01	523/3306
MH1203F02	523/3306
MH1203G01	523/3306
MH1204	523/3306
MH1204A01	523/3306
MH1204A02	523/3306
MH1204C01	523/3306
MH1204C02	523/3306
MH1204D02	523/3306
MH1204D03	523/3306
MH1204E01	523/3306
MH1204H01	523/3306
MH1204K02	564
MH1205	523/3306
MH1205A01	523/3306
MH1206	530
MH1206A01	530
MH1206A02	530
MH1207	530
MH1207A01	530
MH1209	530
MH1209B01	530
MH1209B02	530
MH1209D01	530
MH1209K01	530
MH1209L01	530
MH1220	530
MH1220A01	530
MH1221	523/3306
MH1221A01	523/3306
MH1221AO2	523/3306
MH1221E02	526A
MH1221E06	523/3306
MH1221F01	523/3306
MH1221T03	564
MH1222	529
MH1222A01	529
MH1222A02	529
MH1222A03	535
MH1222A04	549
MH1222E04	549
MH1230Z02	559
MH1230Z03	560
MH1230Z04	561
MH1230Z05	562
MH1501	192§
MH1502	193
MH9410A	128
MH9460A	129
MH9623	123A
MH9630	123A
MHE200E	184
MHM1001	108
MHM1101	108
MHT180	105
MHT181	105
MHT230	105
MHT1802	105
MHT1803	105
MHT1804	105
MHT1807	105
MHT1808	105
MHT1809	105
MHT1851	213
MHT2002	101
MHT2003	101
MHT2004	101
MHT2008	101
MHT2009	101
MHT2010	101
MHT2305	105
MHT2414	128
MHT2418	128
MHT4401	128
MHT4411	128
MHT4412	128
MHT4413	128
MHT4451	128
MHT4483	128
MHT4511	128
MHT4512	128
MHT4513	128
MHT5906	152
MHT7401	128
MHT7411	128
MHT7412	128
MHT7414	128
MHT7417	128
MHT7601	130
MHT7602	130
MHT7603	130
MHT7607	130
MHT7608	130
MHT7609	130
MHT9001	128
MHT9002	128
MHT9004	128
MHT9005	128
MHT18010	105
MI-15MR	116(2)
MI-15MS	116(2)
MI-15R	116(2)
MI15R	116(2)
MI15RC	116(2)
MI-15S	116(2)
MI15S	116(2)
MI15SC	116(2)
MI-106	116(2)
MI-106R	116(2)
MI-151	125(2)
MI-151R	125(2)
MI-152	125(2)
MI-152A	125(2)
MI-152R	125(2)
MI152RA	125(2)
MI-152RA	125(2)
MI301	177
MI-301	177
MI1546	108
MI9623	123A
MI9630	123A
MIC709-5(D.I.P.)	909D
MIC709-5(Metal Can)	909
MIC710-5(DIP)	910D
MIC710-5(Metal Can)	910
MIC710-5C	910
MIC711-5(D.I.P.)	911D§
MIC711-5(Metal Can)	911
MIC723-5(DIP)	923D
MIC723-5(Metal Can)	923
MIC741-5(D.I.P.)	941D
MIC741-5(Metal Can)	941
MIC930-5D	9930
MIC930-5P	9930
MIC931-5D	9931
MIC931-5P	9931
MIC932-5D	9932
MIC932-5P	9932
MIC933-5D	9933
MIC933-5P	9933
MIC935-5D	9935
MIC935-5P	9935
MIC936-5D	9936
MIC936-5P	9936
MIC937-5D	9937
MIC937-5P	9937
MIC941-5D	9941
MIC941-5P	9941
MIC944-5D	9944
MIC944-5P	9944
MIC945-5D	9945
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MIC946-5D	9946
MIC946-5P	9946
MIC948-5D	9948
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MIC949-5P	9949
MIC950-5D	9950
MIC950-5P	9950
MIC951-5D	9951
MIC951-5P	9951
MIC961-5D	9961
MIC961-5P	9961
MIC962-5D	9962
MIC962-5P	9962
MIC963-5D	9963
MIC963-5P	9963
MIC2114-35	2114
MIC2114-45	2114
MIC7400J	7400
MIC7400N	7400
MIC7401J	7401
MIC7401N	7401
MIC7402J	7402
MIC7402N	7402
MIC7403J	7403
MIC7403N	7403
MIC7404J	7404
MIC7404N	7404
MIC7405J	7405
MIC7405N	7405
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MIC7407J	7407
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MIC7408N	7408
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MIC7409N	7409
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MIC7411N	7411
MIC7412J	7412
MIC7412N	7412
MIC7413J	7413
MIC7413N	7413
MIC7416J	7416
MIC7416N	7416
MIC7417J	7417
MIC7417N	7417
MIC7420J	7420
MIC7420N	7420
MIC7421J	7421
MIC7421N	7421
MIC7425J	7425
MIC7425N	7425
MIC7426J	7426
MIC7426N	7426
MIC7428	7428
MIC7428J	7428
MIC7428N	7428
MIC7430J	7430
MIC7430N	7430
MIC7432J	7432
MIC7432N	7432
MIC7433A	7433
MIC7437J	7437
MIC7437N	7437
MIC7438J	7438
MIC7438N	7438
MIC7440J	7440
MIC7440N	7440
MIC7441AJ	7441
MIC7441AN	7441
MIC7442J	7442
MIC7442N	7442
MIC7443J	7443
MIC7443N	7443
MIC7444J	7444
MIC7444N	7444
MIC7445J	7445
MIC7445N	7445
MIC7446J	7446
MIC7446N	7446
MIC7447J	7447
MIC7447N	7447
MIC7448J	7448
MIC7450J	7450
MIC7450N	7450
MIC7451J	7451
MIC7451N	7451
MIC7453J	7453
MIC7453N	7453
MIC7454J	7454
MIC7454N	7454
MIC7460J	7460
MIC7460N	7460
MIC7470J	7470
MIC7470N	7470
MIC7472J	7472
MIC7472N	7472
MIC7473J	7473
MIC7473N	7473
MIC7474J	7474
MIC7474N	7474
MIC7475J	7475
MIC7475N	7475
MIC7476J	7476§
MIC7476N	7476§
MIC7480J	7480
MIC7480N	7480
MIC7481J	7481§
MIC7481N	7481§
MIC7482J	7482
MIC7482N	7482
MIC7483J	7483
MIC7483N	7483
MIC7486J	7486
MIC7486N	7486
MIC7490J	7490
MIC7490N	7490
MIC7491AJ	7491
MIC7491AN	7491
MIC7492J	7492
MIC7492N	7492
MIC7493J	7493A
MIC7493N	7493A
MIC7494J	7494
MIC7494N	7494
MIC7495J	7495
MIC7495N	7495
MIC7496J	7496
MIC9093-5D	9093
MIC9093-5P	9093
MIC9094-5D	9094
MIC9094-5P	9094
MIC9097-5D	9097
MIC9097-5P	9097
MIC9099-5D	9099
MIC9099-5P	9099
MIC74107J	74107
MIC74107N	74107
MIC74109	74109
MIC74109J	74109
MIC74109N	74109
MIC74121J	74121
MIC74121N	74121
MIC74122J	74122
MIC74122N	74122
MIC74123J	74123
MIC74123N	74123
MIC74141J	74141
MIC74141N	74141
MIC74145J	74145
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MIC74150J	74150
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MIC74151J	74151
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MIC74153J	74153
MIC74153N	74153
MIC74154J	74154
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MIC74155J	74155
MIC74155N	74155
MIC74156J	74156
MIC74156N	74156
MIC74160J	74160
MIC74160N	74160
MIC74161J	74161
MIC74161N	74161
MIC74162J	74162
MIC74162N	74162
MIC74163J	74163
MIC74163N	74163
MIC74164J	74164
MIC74164N	74164
MIC74165J	74165
MIC74165N	74165
MIC74180J	74180
MIC74180N	74180
MIC74190J	74190
MIC74190N	74190
MIC74191J	74191
MIC74191N	74191
MIC74192J	74192
MIC74192N	74192
MIC74193J	74193
MIC74193N	74193
MIC74195J	74195
MIC74195N	74195
MIL31	3007
MIL32	3007
MIL38	3007
MILB51	3020
MIS13674/47	234
MIS14150-18	101
MIS-14150-18A	101
MIS14150/37	154
MIS-18101-3	9930
MIS-18101-4	9932
MIS-18101-5	9945
MJ105	165
MJ400	124
MJ408	283
MJ410	94
MJ411	94
MJ413	385
MJ420	154
MJ421	396
MJ423	385
MJ424	283
MJ425	283
MJ430	53
MJ431	53
MJ450	180
MJ480	130
MJ481	130
MJ490	281
MJ491	281
MJ703N	703
MJ802	181
MJ900	244
MJ901	244
MJ1000	243
MJ1001	243
MJ1800	162
MJ2249	384
MJ2250	384
MJ2251	124
MJ2252	124
MJ2253	218
MJ2254	218
MJ2267	285
MJ2268	285
MJ2500	246
MJ2501	246
MJ2801	130
MJ2802	130
MJ2840	284
MJ2841	284
MJ2901	219
MJ2955	219
MJ2955A	219
MJ3000	245
MJ3001	245
MJ3010	162
MJ3011	163A
MJ3026	162
MJ3027	162
MJ3028	94
MJ3029	283
MJ3030	52
MJ3040	98
MJ3041	98
MJ3042	98
MJ3101	384
MJ3201	124
MJ3202	124
MJ3260	283
MJ3430	385
MJ3480	165
MJ3520	245
MJ3521	245
MJ3701	218
MJ3771(Audio)	181
MJ3772(Audio)	181
MJ3773	388◆
MJ4000	243
MJ4001	243
MJ4010	244
MJ4011	244
MJ4030	250
MJ4031	250
MJ4032	250
MJ4033	249
MJ4034	249
MJ4035	249
MJ4101	175
MJ4102	175
MJ4237	285
MJ4238	285
MJ4247	284
MJ4248	284
MJ4502	180
MJ4645	129
MJ4646	397
MJ5008	98
MJ5010	98
MJ5202	175
MJ5203	175
MJ5204	175
MJ5415	397
MJ5416	397
MJ5683	30
MJ5684	30
MJ5685	29
MJ5686	29
MJ6302	388◆
MJ6502	2319
MJ6503	2319
MJ8400	165
MJ8501	2324◆
MJ8502	2324◆
MJ8503	2324◆
MJ9000	283
MJ10000	98
MJ10001	98
MJ10002	97
MJ10003	97
MJ10004	98
MJ10004P	256
MJ10005	98
MJ10005P	256
MJ10005P-1	256
MJ10006	97
MJ10007	97
MJ10008	98
MJ10009	98
MJ10012	98
MJ10015	99
MJ10022	99
MJ10023	99
MJ11011	2350◆
MJ11012	2349◆
MJ11013	2350◆
MJ11014	2349◆
MJ11015	2350◆
MJ11016	2349◆
MJ11028	2349
MJ11029	2350
MJ11030	2349
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MJ11032	2349
MJ11033	2350
MJ12002	389
MJ12003	389
MJ12004	165
MJ12005	238
MJ12010	2311◆
MJ12020	2319
MJ12021	2319
MJ12022	2319
MJ13014	385
MJ13015	2319
MJ13070	52
MJ13071	52
MJ13080	2319
MJ13081	2319
MJ13090	2319
MJ13091	2319
MJ13330	386
MJ13331	386
MJ13332	386
MJ13333	386
MJ13334	386
MJ13335	386
MJ15001	60
MJ15002	61
MJ15003	60
MJ15004	61
MJ15011G	87
MJ15012	68
MJ15012G	88
MJ15015	388
MJ15016	68
MJ15018	87
MJ15019	88
MJ15020	87
MJ15021	88
MJ15022	388
MJ15023	68
MJ15024	388
MJ15025	68
MJ15050	388
MJ15051	68
MJ15052	388
MJ15053	68
MJ15531	68
MJ15532	68
MJ16002	2319
MJ16002A	2324◆
MJ16004	2319
MJ16006	2324◆
MJ16006A	2324◆
MJ16008	2324◆
MJ16010	2319
MJ16012	2319
MJ16018	2365◆
MJ16110	2319
MJ34000	243
MJD45H11	378
MJE29	291◆
MJE34	153
MJE104	183§
MJE105	183§
MJE105K	242
MJE170	185
MJE171	185
MJE172	185◆
MJE180	184
MJE181	184
MJE182	184◆
MJE204	182§
MJE205	182§
MJE205K	241
MJE240	184◆
MJE241	184◆
MJE242	184◆
MJE250	185◆
MJE251	185◆
MJE252	185◆
MJE340	157
MJE340K	157
MJE340T	198
MJE341	157
MJE344	157
MJE350	39
MJE370	185
MJE370K	242
MJE371	185
MJE371K	242
MJE423	162
MJE482	184
MJE483	184
MJE488	184
MJE492	185
MJE493	185
MJE520	184
MJE520K	241
MJE-521	184
MJE521	184
MJE521K	241
MJE700	254
MJE700T	262
MJE701	254
MJE701T	262
MJE702	254
MJE702T	262
MJE703	254
MJE703T	262
MJE710	185
MJE711	185
MJE712	185
MJE722	184
MJE800	253
MJE800T	261
MJE801	253
MJE801T	261
MJE802	253
MJE802T	261
MJE803	253
MJE803T	261
MJE1090	258
MJE1091	258
MJE1092	258
MJE1093	258
MJE1909	235
MJE2090	262
MJE2091	262
MJE2092	262
MJE2093	262
MJE2100	261
MJE2101	261
MJE2103	261
MJE2360	198
MJE2360T	198
MJE2361	198
MJE2361T	198
MJE2370	242
MJE2371	242

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
MJE2480	241
MJE2481	241
MJE2482	241
MJE2483	241
MJE2490	242
MJE2491	242
MJE2520	241
MJE2521	241
MJE2522	241
MJE2523	241
MJE2801	182§
MJE2801T	331
MJE2901	183§
MJE2901T	332
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MM5669BJ	4069
MM5669BN	4069
MM5676A	4076B
MM5676AJ	4076B
MM5676AN	4076B
MM5676B	4076B
MM5676BJ	4076B
MM5676BN	4076B
MM5837N	2041§
MM5837NW	2041§
MM6400N	4011B
MM6427	46
MM7087	154
MM7088	154
MM8000	77
MM8001	278
MM8002	77
MM8003	76
MM8004	195A
MM8006	316
MM8007	161
MM8012	76
MM14511BCN	4511B
MM14511CN	4511B
MM53113	2061§
MM53113N	2061§
MM55104	1255§
MM55104N	1255§
MMBA811C5	2409
MMBA811C6	2409
MMBA811C7	2409
MMBA812M3	2409
MMBA812M4	2409
MMBA812M5	2409
MMBA812M6	2409
MMBA812M7	2409
MMBC1009F1	2408
MMBC1009F2	2408
MMBC1009F3	2408
MMBC1009F4	2408
MMBC1009F5	2408
MMBC1622D6	2408

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MMBC1622D7	2408
MMBC1623L3	2408
MMBC1623L4	2408
MMBC1623L5	2408
MMBC1623L6	2408
MMBC1623L7	2408
MMBC1653N2	2410
MMBC1653N3	2410
MMBC1653N4	2410
MMBC1654N5	2410
MMBC1654N6	2410
MMBC1654N7	2410
MMBD914	593
MMBD2835	596
MMBD2836	596
MMBD2837	595
MMBD2838	595
MMBD6050	593
MMBD6100	595
MMBR901	2402
MMBR920	2402
MMBR930	2402
MMBR931	2402
MMBR5031	2402
MMBT100	2406
MMBT100A	2406
MMBT101	2406
MMBT200	2407
MMBT200A	2407
MMBT201	2411
MMBT404	2406
MMBT404A	2406
MMBT706	2406
MMBT706A	2406
MMBT930	2406
MMBT930A	2406
MMBT2218	2406
MMBT2218A	2406
MMBT2219	2406
MMBT2219A	2406
MMBT2221	2406
MMBT2221A	2406
MMBT2222	2406
MMBT2222A	2406
MMBT2369	2406
MMBT2484	2408
MMBT2904	2407
MMBT2904A	2407
MMBT2905	2407
MMBT2905A	2407
MMBT2906	2407
MMBT2906A	2407
MMBT2907	2407
MMBT2907A	2407
MMBT2924	2408
MMBT3117	2408
MMBT3392	2408
MMBT3393	2406
MMBT3414	2406
MMBT3415	2408
MMBT3416	2406
MMBT3417	2408
MMBT3467	2407
MMBT3565	2408
MMBT3566	2408
MMBT3567	2408
MMBT3568	2406
MMBT3569	2408
MMBT3638	2407
MMBT3638A	2407
MMBT3639	2407
MMBT3640	2407
MMBT3641	2406
MMBT3642	2406
MMBT3643	2406
MMBT3644	2407
MMBT3645	2407
MMBT3693	2406
MMBT3694	2406
MMBT3700	2410
MMBT3702	2407
MMBT3703	2407
MMBT3903	2406
MMBT3904	2406
MMBT3905	2407
MMBT3906	2407
MMBT3946	2406
MMBT3962	2407
MMBT4122	2407
MMBT4123	2406
MMBT4124	2406
MMBT4125	2407
MMBT4126	2407
MMBT4143	2407
MMBT4248	2407
MMBT4249	2407
MMBT4250	2409
MMBT4250A	2409
MMBT4291	2407
MMBT4354	2407
MMBT4355	2407
MMBT4356	2407
MMBT4400	2406
MMBT4401	2406
MMBT4402	2407
MMBT4403	2407
MMBT4409	2408
MMBT4410	2410
MMBT4888	2411
MMBT4889	2411
MMBT5086	2407
MMBT5087	2407
MMBT5088	2406
MMBT5089	2406
MMBT5128	2406
MMBT5133	2408
MMBT5135	2408
MMBT5136	2408
MMBT5137	2408
MMBT5142	2407
MMBT5143	2407
MMBT5172	2408
MMBT5179	2402
MMBT5209	2408
MMBT5210	2408
MMBT5223	2408
MMBT5224	2406
MMBT5226	2407
MMBT5227	2409
MMBT5228	2407
MMBT5401	2411
MMBT5447	2407
MMBT5550	2410
MMBT5551	2410
MMBT5830	2410
MMBT5831	2410
MMBT5961	2408
MMBT5962	2408
MMBT6428	2406
MMBT6429	2406
MMBT6502	2407
MMBT6514	2406
MMBT6515	2408
MMBT6520	2408
MMBT6521	2408
MMBT6560	2406
MMBT6561	2406
MMBT6562	2407
MMBT8598	2406
MMBT8599	2410
MMBTA05	2410
MMBTA05L	2410
MMBTA06	2410
MMBTA06L	2410
MMBTA06LT1	2410
MMBTA13	2404
MMBTA13L	2404
MMBTA14	2404
MMBTA14L	2404
MMBTA20	2406
MMBTA20L	2406
MMBTA55	2411
MMBTA55L	2411
MMBTA56	2411
MMBTA56L	2411
MMBTA56LT1	2411
MMBTA70	2407
MMBTA70L	2407
MMBTH30	2402
MMBTL01	2410
MMBTL51	2411
MMC607	610
MMF5	461
MMST2222A	2406
MMST2907	2407
MMZ12(06)	143A
MN22	121
MN23	121
MN24	121
MN25	121
MN26	121
MN29	121
MN29BLK	121
MN29GRN	121
MN29PUR	121
MN29WHT	121
MN32	121
MN34A	109
MN46	121
MN48	121
MN49	121
MN51	109
MN52	102A
MN53	102A
MN53BLU	102A
MN53GRN	102A
MN53RED	102A
MN60	102A
MN60(diode)	109
MN61	127
MN63	127
MN64	127
MN73	121
MN73BLK	121
MN73WHT	121
MN74HC00	74HC00
MN74HC02	74HC02
MN74HC04	74HC04
MN74HC08	74HC08
MN74HC10	74HC10
MN74HC11	74HC11
MN74HC14	74HC14
MN74HC32	74HC32
MN74HC138	74HC138
MN74HC139	74HC139
MN74HC161	74HC161
MN74HC174	74HC174
MN74HC175	74HC175
MN74HC240	74HC240
MN74HC244	74HC244
MN74HC273	74HC273
MN74HC373	74HC373
MN74HC374	74HC374
MN74HC390	74HC390
MN74HC393	74HC393
MN74HC573	74HC573
MN74HC574	74HC574
MN74HC4020	74HC4020
MN74HC4040	74HC4040
MN74HC4053	74HC4053
MN74HC4060	74HC4060
MN74HC40105	74HC40105
MN74HCT240	74HCT240
MN74HCT244	74HCT244
MN74HCT574	74HCT574
MN76	104
MN194	121
MN1206	2207
MN1206A	2207
MN1213	2203§
MN3001	1642*
MN3007	1641
MN3010	1642
MN3101	1639
MN3101BA	1639
MN4001B	4001B
MN4011B	4011B
MN4013B	4013B
MN4027B	4027B
MN4052B	4052B
MN4053B	4053B
MN4066	4066B
MN4066B	4066B
MN4066BP	4066B
MN4069UB	4069
MN4071B	4071B
MN4081	4081B
MN4081B	4081B
MN4116	2117
MN4116P	2117
MN4164P-15	2164
MN4164P-15A	2164
MN4164P-20	2164
MN4503B	40097B
MN4528	4528B
MN4528B	4528B
MN4538B	4538B
MN5101	65101
MN5101P	65101
MN6040	1255§
MN6040A	1255§
MN6043	1255§
MN6049	1849
MN6061	1408§
MN6061A	1408§
MN6061BA	1408§
MN6076	1414
MN6076BA	1414
MN6142	1534
MN6142BA	1534
MN6163	1814
MN6163A	1814
MN8303	36
MN41256A-10	4256
MN41256A-12	4256
MN41256A-15	4256
MNR250NR25	524V15
MOC1000	3040
MOC1001	3040
MOC1002	3040
MOC1005	3041
MOC1006	3041
MOC1100	3041
MOC1200	3041
MOC3002	3091
MOC3003	3091
MOC3007	3091
MOC3009	3047
MOC3010	3047
MOC3011	3047
MOC3012	3047◆
MOC3020	3048
MOC3021	3048
MOC3022	3048
MOC3023	3048◆
MOC3030	3049
MOC3031	3049
MOC3032	3049◆
MOC3040	3097
MOC3041	3097
MOC5007	3090
MOC5008	3090
MOC5009	3090
MOC7811	3100
MOC7812	3100
MOC7813	3100
MOC7821	3102
MOC7822	3102
MOC7823	3102
MOC8020	3045
MOC8030	3044
MOC8050	3045
MOC8100	3096
MOC8111	3040
MOC8112	3041
MOC8113	3041
MOS3635	221
MOS6502	6502
MOS6502A	6502
MOS7712	74LS08
MOS8712	74LS08
MOS8713	74LS04
MOTMJE371	185
MOTMJE521	184
MP-01	116
M-P3D	102
MP100	116
MP110B	179
MP225	116
MP300	116
MP400	116
MP500	28
MP500(Rect.)	116
MP501	28
MP502	28◆
MP504	28
MP505	28
MP506	28◆
MP507A	105
MP525	104
MP547	116
MP548	5802
MP549	5802
MP550	6407
MP600	179
MP601	179
MP602	179
MP603	179
MP651	116
MP1003-1	116
MP1003-2	116
MP1003-4	116
MP1014	121
MP1014-1	102A
MP1014-2	123A
MP1014-4	102A
MP1014-5	102A
MP1014-6	102A
MP1310P	108
MP1509-1	121
MP1509-2	121
MP1509-3	121
MP1612	127
MP1612A	127
MP1612B	127
MP1613	127
MP2060	121
MP2060-1	121
MP2061	121
MP2062	121
MP2137A	121
MP2138A	121
MP2139A	121
MP2142A	121
MP2143A	121
MP2144A	121
MP2200A	179
MP3611	121
MP3612	121
MP3613	121
MP3614	121
MP3615	121
MP3617	121
MP3730	127
MP3730A	127
MP3730B	127
MP3731	127
MP5010	998
MP5010GN	998
MP5010HN	998
MP5113	116
MP-5115	116
MP5306	46
MP6508A	6508
MP6508C	6508
MP6508D	6508
MP6508F	6508
MP8227NP	2104
MP9602	116
MP14005	5340
MP14010	5340
MP14020	5340
MP14040	5342
MP14060	5342
MP14080	5344
MP53201P	7401
MP140100	5344
MP4300158	519
MP4906063	128
MPA53C	2084
MPA64H	1680
MPA79C	2090
MPB121D	9668§
MPB123D	9661
MPB124D	9678§
MPB125D	9662§
MPC5MH	1058
MPC17C	1047
MPc17c	1047
MPC20C	1075A
MPC23C	1046
MPc23c	1046
MPC29C	1089*
MPc29c	1089*
MPC29C2	1089*
MPC30C	1049
MPC31C	1048
MPc31c	1048
MPC32C	1050
MPC41C	1093
MPC46C	1077
MPc46c	1077
MPC47C	1076
MPc47c	1076
MPC48C	1091*
MPC48C-1	1091*
MPc48c1	1091*
MPC48C1	1091*
MPC78L05J	977
MPC78M05H	960
MPC78M12	966
MPC79M05HF	1961
MPC79M08HF	1965
MPC79M12HF	1971
MPC79M15HF	1973
MPC79M18HF	1975
MPC79M24HF	1977
MPC258C	778A
MPC358G	928SM
MPC554	1142
MPC554C	1142
MPC558	1051
MPC561	1079
MPC561C	1079
MPC562C	1050
MPC566H	1052
MPC566HB	1103
MPC566HC	1103
MPC566HD	1103
MPC570C	1086*
MPc570c	1086*
MPC571C	1078§
MPC571H	1638
MPC574J	615A
MPC-574J	615A
MPC575C	1141*
MPC575C2	1140*
MPC577H	1082
MPC595C	1186
MPC596C	1187
MPC596C2	1187
MPC596C2B	1187
MPC1001H2	1127
MPC1032H	1170
MPC1093G	999SM
MPC1212C	1516
MPC1237HA	7100
MPC1238	1378
MPC1241H	7101
MPC1298V	7103
MPC1335V	7102
MPC1352C	1416
MPC1355C	749
MPC1356C	1483§
MPC1356C2	1483§
MPC1363C	1409
MPC1372C	1416
MPC1373	1714S
MPC1373H	1714S
MPC1373HA	1714S
MPC1377	1664
MPC1377C	1664
MPC1378	1676
MPC1378H	1676
MPC1379	1661
MPC1379C	1661
MPC1382	1616
MPC1382C	1616
MPC1391H	1668
MPC1394C	1678
MPC1458C	778A
MPC1474JE	1791
MPC1486C	7019
MPC1490HA	7013
MPC1498HA	1767
MPC1520CA	7020
MPC2005V	1396
MPC3500	177
MPC4558C	778A
MPC6507	6507
MPC7808HF	1964
MPC7812H	966
MPC7812HF	1970
MPC7815HF	1972
MPC7905AHF	1961
MPC7905HF	1961
MPC7908AHF	1965
MPC7908HF	1965
MPC7912AHF	1971
MPC7912HF	1971
MPC7915AHF	1973
MPC7915HF	1973
MPC7918AHF	1975
MPC7918HF	1975
MPC7924AHF	1977
MPC7924HF	1977
MPC14305	960
MPC14308HF	1964
MPC14312HF	1970
MPC14315HF	1972
MPC16308HF	1965
MPC16312HF	1971
MPC16315HF	1973
MPC16318HF	1975
MPC16324HF	1977
MPD858	1198
MPD858C	1198
MPD861C	1254
MPD861C1	1254
MPD861CE	1254
MPD4001C	4001B
MPD4011BC	4011B
MPD4011C	4011B
MPD4012BC	4012B
MPD4066BC	4066B
MPD4081C	4081B
MPD4093B	4093B
MPD4093BC	4093B
MPD4538BC	4528B
MPD4555	4555B
MPF101	312
MPF102	451
MPF-102	312
MPF-102(DSG)	312
MPF103	312
MPF104	312
MPF105	312
MPF106	451
MPF107	312
MPF109	459
MPF111	457
MPF112	312
MPF121	222
MPF-121	222
MPF159	465
MPF160	464§
MPF161	326
MPF820	451
MPG06A	558
MPG06B	558
MPG06D	558
MPG06G	558
MPG06J	558
MPG06K	558
MPG06M	558
MPI4005	5340
MPI4010	5340
MPI4020	5340
MPI4060	5342
MPI4080	5344
MPI40100	5344
MPN3401	555A
MPN-3401	555A
MPN3412	519
MPQ200	2322
MPQ918	2321◆
MPQ1000	2321
MPQ1500	2322
MPQ2221	2321
MPQ2222	2321
MPQ2369	2321◆
MPQ2483	2321
MPQ2906	2322
MPQ2907	2322
MPQ3467	2322
MPQ3725	2321
MPQ3798	2321
MPQ3799	2322◆
MPQ3904	2321
MPQ3906	2322
MPQ6501	2320
MPQ6502	2320
MPQ6700	2320
MPQ7041	2323
MPQ7042	2323
MPQ7043	2323◆
MPR6502CR	6502
MPS25	121
MPS109	123A
MPS404	159
MPS404A	159
MPS667	229
MPS706	123AP
MPS706A	123AP
MPS708	123AP
MPS834	123AP◆
MPS835	123AP
MPS918	108
MPS929	159
MPS929A	159
MPS930	159
MPS930A	159
MPS943J	123A
MPS943K	123A
MPS962F	123AP
MPS1097	160
MPS1572	159
MPS2114	2114
MPS2114-30	2114
MPS2114-35	2114
MPS2114-45	2114
MPS2114P-30	2114
MPS2114P-35	2114
MPS2114P-45	2114
MPS2168	108
MPS2218	123AP
MPS2218A	123AP
MPS2219	123AP
MPS2219A	123AP
MPS2221	123AP
MPS2221A	123AP
MPS2222	123AP
MPS2222A	123AP
MPS2369	123AP
MPS2369A	123AP◆
MPS2711	123AP
MPS2712	123AP
MPS2713	123AP
MPS2714	123AP
MPS2715	123AP
MPS2716	123AP
MPS2823	107
MPS2894	107
MPS2906	159
MPS2907	159
MPS2907A	159
MPS2923	123AP
MPS2924	123AP
MPS2925	123AP
MPS2926	123AP
MPS2926BRN	123A
MPS2926GRN	123A
MPS2926ORN	123A
MPS2926RED	123A
MPS2926YEL	123A
MPS3390	123AP
MPS3391	123AP
MPS3391A	123AP
MPS3392	123AP
MPS3393	123AP
MPS3394	123AP
MPS3395	123AP
MPS3396	123AP
MPS3397	123
MPS3398	123AP
MPS3402	192§
MPS3403	192§
MPS3404	192§
MPS3405	192§
MPS3536	108
MPS3563	108
MPS3565	108
MPS3566	123AP
MPS3567	194
MPS3568	194
MPS3569	194
MPS3638	159
MPS3638-5	159
MPS3638A	159
MPS3639	234
MPS3640	159
MPS3642	123AP
MPS3644	159
MPS3645	159
MPS3646	216
MPS3691	123AP
MPS3692	123AP
MPS3693	123AP
MPS3694	123AP
MPS3702	159
MPS3703	159
MPS3704	123AP
MPS3705	123AP
MPS3706	123AP
MPS3707	123AP
MPS3708	123AP
MPS3709	123AP
MPS3710	123AP
MPS3711	123AP
MPS3721	123AP
MPS3826	123AP
MPS3827	123AP
MPS3900	123AP
MPS3900A	123AP
MPS3901	123AP
MPS3903	123AP
MPS3904	123AP
MPS3905	159
MPS3906	159
MPS3992	123A
MPS4123	123AP
MPS4124	123AP
MPS4125	159
MPS4126	159
MPS4248	159
MPS4249	159
MPS4250	159
MPS4250A	159
MPS4258	106◆
MPS4274	123AP
MPS4275	123AP
MPS4354	159
MPS4355	159
MPS4356	159
MPS5010	998
MPS5086	159
MPS5127	123AP
MPS5128	108
MPS5129	108
MPS5131	108
MPS5132	108
MPS5133	123AP
MPS5134	123AP
MPS5135	123AP
MPS5136	123AP
MPS5137	123AP
MPS5138	159
MPS5142	159
MPS5143	159
MPS5172	123AP
MPS5305	46
MPS5307	46
MPS5308	46
MPS5551M	287
MPS5668	312
MPS5770	108
MPS5855	159
MPS5857	159
MPS6076	159
MPS6134	159
MPS6172	159
MPS6351	123A
MPS6413	123A
MPS6502	6502
MPS6507	108
MPS6507(CPU)	6507
MPS6511	108
MPS6511-S	108
MPS6512	123AP
MPS6513	123AP
MPS6514	123AP
MPS6515	123AP
MPS6516	159
MPS6517	159
MPS6518	159
MPS6519	159
MPS6520	123AP
MPS6521	123AP
MPS6522	159
MPS6523	159
MPS6524	159
MPS6528	107
MPS6529	107
MPS6530	123AP
MPS6531	123AP
MPS6532	123AP
MPS6532(IC)	6532
MPS6533	159
MPS6533M	159
MPS6534	159
MPS6534M	159
MPS6535	159
MPS6535M	159
MPS6539	229
MPS6540	229
MPS6541	229
MPS6542	229
MPS6543	69
MPS6544	123AP
MPS6545	123AP
MPS6546	229
MPS6547	229
MPS6548	229
MPS6552	123A
MPS6553	123A
MPS6554	123A
MPS6555	123AP
MPS6556	123A
MPS6560	123AP
MPS6561	123AP
MPS6562	159
MPS6563	159
MPS6564	123AP
MPS6565	123AP
MPS6566	123AP
MPS6567	229
MPS6568	108
MPS6568A	229
MPS6569	229
MPS6569A	229
MPS6570	229
MPS6570A	229
MPS6571(EBC)	199
MPS6572	123AP
MPS6573	123AP
MPS6574	123AP
MPS6575	123AP
MPS6576	123AP
MPS6580	159
MPS6590	123A
MPS6591	159
MPS6601	128P
MPS6602	128P
MPS6651	129P
MPS6652	129P
MPS6714	128P
MPS6715	128P
MPS6716	128P
MPS6717	128P
MPS6724	48
MPS6725	48
MPS6726	129P
MPS6727	129P
MPS6728	129P
MPS6729	129P
MPS6733	255
MPS6734	255
MPS6735	255
MPS7513	229
MPS7751B	232
MPS8000	159
MPS-8000	195A
MPS8000L	123AP
MPS8001	123AP
MPS8093	159
MPS8097	123AP
MPS8098	123AP
MPS8099	123AP
MPS8598	159
MPS8599	159
MPS9185	123A
MPS9400	152
MPS9410A	128
MPS9410AJ	128
MPS9410AK	128
MPS9410H	128
MPS9410I	128
MPS9411	299§
MPS9411A	299§
MPS9411A1	299§
MPS9411AI	287
MPS9411G	299§
MPS9411H	299§
MPS9411T	299§
MPS9416(EBC)	289A
MPS9416(H.Sink)	192§
MPS9416A(EBC)	289A
MPS9416A(H.Sink)	192§
MPS9416AS(EBC)	289A
MPS9416AT(EBC)	289A
MPS9416AT(H.Sink)	192§
MPS9416ST(EBC)	289A
MPS9416ST(H.Sink)	192§
MPS9417A(EBC)	289A
MPS9417A(H.Sink)	192§
MPS9417AS(EBC)	289A

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
MPS9417AS(H.Sink)	192§
MPS9417AT(EBC)	289A
MPS9417AT(H.Sink)	192§
MPS9417T(EBC)	289A
MPS9417T(H.Sink)	192§
MPS9418(EBC)	289A
MPS9418(H.Sink)	192§
MPS9418AS	192§
MPS9418AS(EBC)	289A
MPS9418AS(H.Sink)	192§
MPS9418AT	192§
MPS9418AT(EBC)	289A
MPS9418AT(H.Sink)	192§
MPS9418G(EBC)	289A
MPS9418G(H.Sink)	192§
MPS9418S(EBC)	289A
MPS9418S(H.Sink)	192§
MPS9418T(EBC)	289A
MPS9418T(H.Sink)	192§
MPS9423	123A
MPS9423F	108
MPS9423G	108
MPS9423H	108
MPS9423I	108
MPS9426	229
MPS9426A	229
MPS9426B	229
MPS9426-B	229
MPS9426BC	229
MPS9426C	229
MPS9426G	229
MPS9426H	229
MPS9427	229
MPS9427B	229
MPS9427C	229
MPS9433	123AP
MPS9433J	123AP
MPS9433K	123AP
MPS9433S	123AP
MPS9433T	123AP
MPS9434	123AP
MPS9434H	123AP
MPS9434I	123AP
MPS9434J	123AP
MPS9434K	123AP
MPS9436	123AP
MPS9436I	123AP
MPS9436J	123AP
MPS9436S	123AP
MPS9436T	123AP
MPS9444	177
MPS9460A	129
MPS9460H	129
MPS9460I	129
MPS9460J	129
MPS9461A1	287
MPS9461AI	288
MPS9466A	290A
MPS9466A(H.Sink)	193
MPS9466AT	290A
MPS9466AT(H.Sink)	193
MPS9467A(EBC)	298
MPS9467AS	193
MPS9467AS(EBC)	298
MPS9467AT	193
MPS9467AT(EBC)	298
MPS9467T(EBC)	298
MPS9468	193
MPS9468S	193
MPS9468T	193
MPS9476AT	298
MPS9483	159
MPS9483I	159
MPS9483J	159
MPS9483S	159
MPS9483T	159
MPS9484	159
MPS9484H	159
MPS9484I	159
MPS9486	159
MPS9486I	159
MPS9486J	159
MPS9486S	159
MPS9486T	159
MPS9532	85
MPS9532H	85
MPS9532I	85
MPS9532J	85
MPS9538-8	123AP
MPS9538-9	123AP
MPS9538-10	123AP
MPS9538-11	123AP
MPS9538-12	123AP
MPS9600	123A
MPS9600-5	123A
MPS9600F	123A
MPS9600G	123A
MPS9600G/H	123A
MPS9600H	123A
MPS9600I	123A
MPS9601	108
MPS9602	116
MPS9604	229
MPS9604D	123A
MPS9604E	123A
MPS9604FG	108
MPS9604I	123A
MPS9604R	123A
MPS9606	177
MPS9606(Trans)	123AP
MPS9606H	177
MPS9606I	177
MPS9611-5	123A
MPS9616	123A
MPS9616A	123A
MPS9616J	123A
MPS9618	123A
MPS9618H	123A
MPS9618I	123A
MPS9618J	123A
MPS9623	123AP
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MPS9623D	123A
MPS9623E	123A
MPS9623F	123A
MPS9623G	123A
MPS9623G/H	123A
MPS9623H	123AP
MPS9623H/I	123A
MPS9623I	123AP
MPS9623I/J	123A
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MPS9625C	229
MPS9625D	229
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MPS9625F	229
MPS9625G	229
MPS9625H	229
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MPS9626H	123AP
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MPS9636TU	123AP
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MPS9646G	177
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MPS9646I	177
MPS9646J	177
MPS9646M	177
MPS9664E	108
MPS9666	159
MPS9680	159
MPS9680H	159
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MPS9680I/J	159
MPS9680J	159
MPS9680T	159
MPS9681	159
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MPS9681J	159
MPS9681K	159
MPS9681L	159
MPS9681T	159
MPS9682	159
MPS9682I	159
MPS9682-I	159
MPS9682J	159
MPS9682K	159
MPS9682T	159
MPS9686TU	123AP
MPS9696	289A
MPS9696F	289A
MPS9696G	289A
MPS9696H	123A
MPS9696I	289A
MPS9700D	123AP
MPS9700E	123AP
MPS9700F	123AP
MPS9700G	123AP
MPS9700T	123AP
MPS9700U	123AP
MPS9734D	199
MPS9750D	159
MPS9750F	159
MPS9750G	159
MPS9750T	159
MPS65611	123A
MPS94260	123A
MPS96301I	123A
MPS96469	177
MPS9646I1	177
MPS 9623G	123A
MPS-A05	287
MPSA05	287
MPSA06	287
MPS-A06	287
MPSA09	123AP
MPSA7	123AP
MPS-A10	233
MPSA10	123AP
MPSA12	48
MPS-A12	48
MPS-A13	46
MPSA13	46
MPS-A14	46
MPSA14	46
MPSA16	123AP
MPSA17	123AP
MPSA18	47
MPSA20	123AP
MPS-A20	123AP
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MPS-A42	287
MPSA42	287
MPS-A43	287
MPSA43	287
MPSA55	288
MPS-A55	288
MPSA56	159
MPS-A56	159
MPSA62	232
MPSA63	232
MPSA64	232
MPS-A65	232
MPSA65	232
MPS-A66	232
MPSA66	232
MPS-A70	159
MPSA70	159
MPS-A92	288
MPSA92	288
MPS-A92A	288
MPS-A93	288
MPSA93	288
MPSD01	287
MPS-D02	288
MPSD03	194
MPSD04	172A
MPSD05	123AP
MPSD06	123AP
MPSD51	288
MPSD52	288
MPS-D52	287
MPS-D53	288
MPSD53	383
MPSD53(GE)	288
MPSD54	232
MPSD55	159
MPSD56	159
MPSH02	229
MPSH04	194
MPS-H05	194
MPS-H05	123AP
MPSH07	108
MPSH08	108
MPS-H10	69
MPSH10	69
MPSH-10	69
MPSH11	229
MPS-H11	229
MPS-H17	229
MPSH17	229
MPS-H19	107
MPSH19	229
MPSH20	229
MPS-H24	229
MPSH24	229
MPSH30	229
MPSH31	229
MPSH32	229
MPSH33	311
MPSH34	229
MPSH37	123AP
MPSH54	159
MPSH55	159
MPS-H81(BEC)	395◆
MPSH81(BEC)	395◆
MPSH83	395◆
MPSK20	123AP
MPS-K20(Blue)	123A
MPS-K20(Red)	123A
MPS-K20(White)	123A
MPSK21	123AP
MPS-K21(Green)	123A
MPS-K21(Red)	123A
MPS-K21(Yellow)	123A
MPSK22	123AP
MPS-K22(Green)	123A
MPS-K22(Red)	123A
MPS-K22(White)	123A
MPS-K22(Yellow)	123A
MPSK70	159
MPSK71	159
MPSK72	159
MPSL01	287
MPS-L01	194
MPS-L51	288
MPSL51	288
MPS-U01	188
MPSU01	188
MPSU01A	188
MPS-U01A	188
MPS-U02	188
MPSU02	188
MPSU03	190
MPS-U03	190
MPS-U04	190
MPSU04	190
MPS-U05	188
MPSU05	188
MPSU06	188
MPS-U06	188
MPSU07	188
MPSU10	191
MPS-U10	191
MPS-U11	191
MPSU11	191
MPSU31	322§
MPS-U31	322§
MPS-U31(Final)	322§
MPSU45	272
MPS-U45	272
MPS-U51	189
MPSU51	189
MPSU51A	189
MPS-U51A	189
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MPSU95	273
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MPSW06	128P
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MPSW45A	48
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MPSW51A	129P
MPSW55	129P
MPSW56	129P
MPT5N40	67
MPT20	6406§
MPT28	6407
MPT32	6408
MPT4003-10	417
MPT6003-7	419
MPT6004-2	420§
MPT6004-4	418§
MPTE-5C	4901
MPU131	6402§
MPU6027	6402§
MPU6028	6402§
MPX-25	116
MPX215	116
MPX9410H	128
MPX9623H/I	123A
MPX9630I	123A
MPX9681J	159
MQ1	123A
MQ2	123A
MQ32	116
MQ62	116
MQ82	116
MR-1	156
MR1-1600	525
MR-1-1600	525
MR-1C	156
MR1C	156
MR-1M	125
MR1M	116
MR21CR	5404
MR33C-H	5005A
MR36H	134A
MR39C-H	134A
MR47C-H	135A
MR51C-H	135A
MR51E-H	135A
MR56C-H	136A
MR62C-H	137A
MR62E-H	137A
MR62H	137A
MR91C-H	139A
MR91E-H	139A
MR100	116
MR100C-H	140A
MR100H	140A
MR120C-H	142A
MR-150-01	116
MR150C-H	145A
MR200	116
MR322	5962
MR322R	5963
MR323	5962
MR323R	5963
MR327	5966
MR328	5966
MR330	5966
MR400	116
MR421D	229
MR500	5800
MR501	5802
MR-502	5802
MR502	5802
MR504	5804
MR506	5806
MR508	5808
MR510	5809
MR600	116
MR750	5812
MR751	5812
MR752	5814
MR754	5814
MR756	5815
MR758	5817
MR760	5817
MR800	125
MR801	506
MR810	506
MR811	506
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MR813	506
MR814	506
MR816	506
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MR836	580
MR850	580
MR851	580
MR852	580
MR854	580
MR856	580
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MR861	6006
MR861R	6007
MR862	6006
MR862R	6007
MR864	6008
MR864R	6009
MR866	6010
MR866R	6011
MR910	580
MR911	580
MR912	580
MR914	580
MR916	580
MR990	125
MR1000	125
MR1030A	156
MR1031A	156
MR1031B	156
MR1032A	156
MR1032B	156
MR1120	5870
MR1120R	5871
MR1121	5874
MR1121R	5875
MR1122	5874
MR1122R	5875
MR1123	5878
MR1123R	5882
MR1124	5878
MR1124R	5879
MR1125	5882
MR1125R	5883
MR1126	5882
MR1126R	5883
MR1128	5886
MR1128R	5887
MR1130	5890
MR1130R	5891
MR1230SB	6354
MR1230SBR	6355
MR1231SB	6354
MR1231SBR	6355
MR1232SB	6354
MR1232SBR	6355
MR1233SB	6354
MR1233SBR	6355
MR1235SB	6354
MR1235SBR	6355
MR1237SB	6354
MR1237SBR	6355
MR1238SB	6356
MR1238SBR	6357
MR1239SB	6356
MR1239SBR	6357
MR1337-1	552
MR1337-2	552
MR1337-3	552
MR1337-4	552
MR1337-5	552
MR1366	5822
MR1366R	5823
MR1376	5822
MR1376R	5823
MR1386	6010
MR1386R	6011
MR1396	6010
MR1396R	6011
MR2000S	5912
MR2000SR	5913
MR2001S	5916
MR2001SR	5917
MR2002S	5916
MR2002SR	5917
MR2004S	5920
MR2004SR	5921
MR2006S	5924
MR2006SR	5925
MR2008S	5928
MR2008SR	5929
MR2010S	5932
MR2010SR	5933
MR2064	116
MR2065	116
MR2069	156
MR2070	156
MR2261	116
MR2262	5809
MR2266	551§
MR2271	552
MR2272	515
MR2273	551§
MR2369	156
MR3932	123A
MR3933	128
MR3934	129
MR5005	5826
MR5005R	5827
MR5010	5826
MR5010R	5827
MR5020	5826
MR5020R	5827
MR5030	5826
MR5030R	5827
MR5040	5826
MR5040R	5827
MR5060	5828
MR5060R	5829§
MR5080	5828
MR5080R	5829§
MR9062	116
MR9600	116
MR9601	116
MR9602	116
MR9604	123A
MR9803	116
MRB-20C	116(4)
MRC1032	1170
MRD14B	3035A
MRD360	3036
MRD370	3036
MRD701	3034A
MRD901	3034A
MRD3050	3032
MRD3051	3032
MRD3054	3032
MRD3055	3032
MRD3056	3032
MRF100(Diode)	552
MRF200(RECT)	552
MRF207	346
MRF209	350
MRF212	350
MRF216	477
MRF216(YEL)	477
MRF221	350F
MRF224	320F
MRF224-G	320F
MRF227	361
MRF229	341◆
MRF230	473
MRF233	350
MRF237	341
MRF238	345
MRF244	352
MRF245	352
MRF248	253
MRF260	342
MRF262	343
MRF400(Diode)	552
MRF400(RECT)	552
MRF402	473
MRF406	338F
MRF412	317
MRF412A	334
MRF420	335
MRF421	470
MRF421(BL)	470
MRF433	338F
MRF449	333◆
MRF449A	325
MRF450	335
MRF450A	325
MRF451	333
MRF452	333
MRF453	333
MRF453A	334
MRF454	335
MRF454A	336
MRF455	333
MRF455A	334
MRF458	335
MRF458A	336
MRF460	318
MRF463	471◆
MRF464	471◆
MRF472	295
MRF475	236
MRF476	235
MRF485	236
MRF501	161
MRF502	161
MRF511	76
MRF511-Y	76
MRF515	486
MRF600(Diode)	552
MRF600(RECT)	552
MRF607	472
MRF607(GN)	472
MRF618	365
MRF619	366
MRF620	366
MRF621	367
MRF629	361
MRF641	365
MRF644	366
MRF646	367
MRF648	368
MRF800(Diode)	558
MRF800(RECT)	558
MRF817	362
MRF844	485◆
MRF901	64
MRF911	63
MRF1000(Diode)	558
MRF1000(RECT)	558
MRF1200(Diode)	558
MRF1200(RECT)	558
MRF1500(Diode)	558
MRF1500(RECT)	558
MRF4070	352
MRF8003	329
MRF8004	195A
MS1H	116
MS2H	116
MS3H	116
MS4H	116
MS5	5870
MS5H	116
MS11H	116
MS12H	116
MS13H	116
MS14H	116
MS15/1C	503
MS22B	123A
MS35H	116
MS36H	116
MS50	116
MS91X3	505
MS701T	108
MS1002	6083
MS1003	6083
MS1004	6083
MS1045	6083
MS2991	128
MS7501S	108
MS7501T	108
MS7502R	123A
MS7502S	108
MS7502T	108
MS7503R	123A
MS7504	172A
MS7505	159
MS7506G	129
MS7506H	128
MS7506J	128
MS9667	159
MS9681	159
MSB20C	168
MSD6101	276
MSD7000	276
MSE180	186
MSG7506	128
MSJ7505	129
MSK5405	128
MSL3574	501B
MSM74HC00RS	74HC00
MSM74HC02RS	74HC02
MSM74HC04RS	74HC04
MSM74HC08RS	74HC08
MSM74HC10RS	74HC10
MSM74HC11RS	74HC11
MSM74HC14RS	74HC14
MSM74HC139RS	74HC139
MSM74HC163RS	74HC163
MSM74HC175RS	74HC174
MSM74HC240RS	74HC240
MSM74HC244RS	74HC244
MSM74HC373RS	74HC373
MSM74HC374RS	74HC374
MSM74HC574RS	74HC574
MSM74HC4040RS	74HC4040
MSM311EL	922M
MSM2114	2114
MSM2114-3	2114
MSM2114L-3RS	2114
MSM2114L3RS	2114
MSM2114P	2114
MSM2114P-3	2114
MSM2128-1AS	2128
MSM2128-13AS	2128
MSM2128-15RS	2128
MSM2128-20RS	2128
MSM3764-15RS	2164
MSM3764-20RS	2164
MSM4001	4001B
MSM4001RS	4001B
MSM4002	4002B
MSM4007	4007
MSM4008	4008B
MSM4011	4011B
MSM4011RS	4011B
MSM4012	4012B
MSM4013	4013B
MSM4015	4015B
MSM4016	4016B
MSM4016RS	4016B
MSM4017	4017B
MSM4017RS	4017B
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MSM4019RS	4019B
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MSM4025	4025B
MSM4027	4027B
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MSM4030	4030B
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MSM4038	4038B
MSM4040	4040B
MSM4042	4042B
MSM4043	4043B
MSM4044	4044B
MSM4049	4049
MSM4050	4050B
MSM4050RS	4050B
MSM4051	4051B
MSM4052	4052B
MSM4053	4053B
MSM4066	4066B
MSM4066RS	4066B
MSM4068	4068B
MSM4069	4069
MSM4069RS	4069
MSM4069S	4069
MSM4069U	4069
MSM4071	4071B
MSM4072	4072B
MSM4073	4073B
MSM4075	4075B
MSM4078	4078B
MSM4081	4081B
MSM4081RS	4081B
MSM4082	4082B
MSM4085	4085B
MSM4086	4086B
MSM4502	4502B
MSM4503	40097B
MSM4512	4512B
MSM4514	4514B
MSM4514RS	4514B
MSM4515	4515B
MSM4518	4518B
MSM4520	4520B
MSM4538B	4538B
MSM4539	4539B
MSM4556	4556B
MSM4583	4583B
MSM8080A	8080A
MSM40175B	40175B
MSM40192	40192B
MSM40193	40193B
MSM40194	40194B
MSM41256A-10RS	4256
MSM41256A-12RS	4256
MSM41256A-15RS	4256
MSP10A	225
MSP15A	225
MSP20A	225
MSP25A	225
MSP1161	213
MSP999058-1	128
MSR500	116
MSR-500	116
MSR7502	108
MSR7503	123A
MSR-V5	116
MSS1000	177
MSS-1000	116
MSS7501	108
MSS7502	108
MST-10	128
MST10S	154
MST20S	154
MST30S	154
MST40S	396
MST7501	108
MT021	116
MT021A	116
MT022	116
MT022A	116
MT0404	159
MT0404-1	159
MT0404-2	159
MT0411	159
MT0412	159
MT0413	159
MT1	3031
MT2	3032
MT5	5892
MT14	116
MT24	116
MT30L-A	522
MT30L-C	500A
MT44	116
MT64	116
MT84	125
MT100	108
MT101	108
MT102	108
MT104	123A
MT106	108
MT107	108
MT608A	137A
MT696	123A
MT697	123A
MT698	154
MT699	154
MT706	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
MT706A	123A
MT706B	123A
MT707	123A
MT708	123A
MT726	159
MT743	108
MT744	108
MT753	108
MT869	159
MT870	154
MT871	154
MT910	154
MT911	154
MT912	154
MT1060	316
MT1131	159
MT1131A	159
MT1132	159
MT1132A	159
MT1132B	159
MT1254	159
MT1255	159
MT1256	159
MT1257	159
MT1258	159
MT1259	159
MT1420	159
MT1613	128
MT1711	128
MT1893	154
MT1991	159
MT2303	159
MT2411	159
MT2412	159
MT3202	124
MT4101	123A
MT4102	123A
MT4102A	123A
MT4103	123A
MT4158A	8070
MT4168A	8076
MT4178A	8081
MT4191A	8085
MT4194A	8090
MT4204A	8096
MT4208A	8098
MT4218A	8103
MT4227A	8108
MT4239A	8115
MT4257A	8125
MT4264-15	2164
MT4264-20	2164
MT4283A	8139
MT4300A	8149
MT4333A	8167
MT4358A	8181
MT4415A	8213
MT4438A	8226
MT5089	1690
MT5089XC	1690
MT5108	316
MT6001	123A
MT6002	123A
MT6002(TO18)	123A
MT6003	123A
MT-8204AE	1648
MT8244A	8115
MT9001	123A
MT9002	123A
MT52164	3116
MT53164	3117
MT57164	3115
MT102351A	160
MTA4N50E	2398#
MTA5N50E	2385#
MTA6N40E	2397#
MTA8N10E	2382#
MTA30N06E	2395
MTA2955	2390#
MTA3055E	2390#
MTD40A06N	5711
MTD40A12N	5711
MTD40L06N	5711
MTD40L12N	5711
MTD50A06N	5711
MTD50A12N	5711
MTD50L06N	5711
MTD50L12N	5711
MTD65A12N	5711
MTD95A12N	5721
MTE200E	199
MTG8N50E	2393#
MTG9N50E	2394#
MTG14N50E	2394#
MTH6N85	2377
MTH6N90	2377
MTH7N45	2393
MTH7N50	2393
MTH8N35	2393
MTH8N40	2393
MTH8N45	2393
MTH8N45FP	2393#
MTH8N50E	2393
MTH13N45	2394
MTH13N50	2394
MTH15N18	2376
MTH15N20	2376
MTH20N12	2376
MTH20N15	2376
MTH25N08	2375
MTH25N10	2375
MTH30N20	2376
MTH35N05	2375
MTH35N06	2375
MTJ109	128
MTM5N35	2384◆
MTM5N35-2	2384◆
MTM5N40	2384◆
MTM6N55	2386
MTM6N60	2386
MTM6N85	2377◆
MTM6N90	2377◆
MTM7N45	2393◆
MTM7N50	2393◆
MTM12N08	2392
MTM12N10	2392
MTM15N05	2392
MTM15N06	2392
MTM15N18	2376◆
MTM15N20	2376◆
MTM20N08	2392
MTM20N10	2392
MTM20N12	2376◆
MTM20N15	2376◆
MTM25N05	2392
MTM25N06	2392
MTM25N08	2375◆
MTM25N10	2375◆
MTM35N05	2375◆
MTM35N06	2375◆
MTP1N45	2380
MTP1N50	2380
MTP1N95	2399
MTP1N100	2399
MTP2N18	2391◆
MTP2N20	2391◆
MTP2N25	2391
MTP2N35	2380
MTP2N40	2380
MTP2N45	2380
MTP2N50	2380
MTP2N85	2399
MTP2N90	2399
MTP2P45	2381
MTP2P50	2381
MTP2P50-3	2381
MTP3N35	67
MTP3N40	2391
MTP3N45	2398◆
MTP3N50	2398◆
MTP3N55	2387
MTP3N60	2387
MTP3N60FI	2387#
MTP3N75	2387
MTP3N80	2387
MTP3N95	2399
MTP3N100	2399
MTP3N100E	2399
MTP4N08	2382◆
MTP4N10	2382◆
MTP4N40E	2391
MTP4N45	2398
MTP4N50	2398
MTP4N50E	2398
MTP4N80E	2387
MTP4N85	2387◆
MTP5N05	2382◆
MTP5N06	2382◆
MTP5N20	2388◆
MTP5N35	2385
MTP5N40	2385
MTP6N10	2382◆
MTP6N55	2385◆
MTP7N18	2388◆
MTP7N20	2388◆
MTP8N08	66
MTP8N10	2382
MTP8N10-3	2382
MTP8N12	2388◆
MTP8N15	2388◆
MTP8N18	2388
MTP8N20	2388
MTP8N45	2385
MTP8N50	2385
MTP8N50E	2385
MTP8P08	2383
MTP8P10	2383
MTP10N05	2390
MTP10N06	2390
MTP10N08	66◆
MTP10N10	66◆
MTP10N12	2388
MTP10N12L	2388
MTP10N15	2388
MTP10N15L	2388
MTP10N25	2397
MTP10N35	2397
MTP10N40	2397
MTP12N05	2390
MTP12N06	2390
MTP12N06-3	2390
MTP12N08	66
MTP12N10	66
MTP12N18	2388
MTP12N20	2388◆
MTP15N05	2389◆
MTP15N06	2389◆
MTP20N08	2396
MTP20N10	2396
MTP25N05	2389
MTP25N06	2389
MTP25N10	2396
MTP30N05E	2389
MTP30N06E	2389◆
MTP33N10E	2396
MTP35N06E	2389
MTP36N06E	2395
MTP45N05E	2389
MTP50N05E	2395
MTP50N06E	2395
MTP564	67
MTP565	67
MTP814	2383
MTP815	2383
MTP1224	66
MTP1225	66
MTP3055A	2390
MTP3055AFI	2390#
MTP3055E	2390◆
MTP3055EFI	2390#
MTT18K12N	5710
MTT18L06N	5710
MTT25L06N	5710
MTT25L12N	5710
MTT40A06N	5710
MTT40A12N	5710
MTT40L06N	5700
MTT40L12N	5700
MTT50A06N	5710
MTT50A12N	5710
MTT50L06N	5710
MTT50L12N	5710
MTT65A12N	5710
MTT95A12N	5720
MTW4N80E	2377
MTW6N60E	2377◆
MTW7N80E	2377◆
MTW8N50E	2393#
MTW10N40E	2394#
MTW14N50E	2394#
MTW20N20E	2376
MTW26N15E	2376
MTW32N20E	2376
MTW33N10E	2375
MTW36N10E	2375
MTZ2.7	5002A
MTZ3.0	5004A
MTZ3.3	5005A
MTZ3.6	5006A
MTZ3.6A	5006A
MTZ3.9	5007A
MTZ5.1	5010A
MTZ5.1B	5010T1
MTZ5.1B(TA)	5010A
MTZ5.1BT-77	5010T1
MTZ5.1TP	5010A
MTZ5.6	5011A
MTZ5.6B	5011A
MTZ5.6BT-77	5011A
MTZ5.6V	5011A
MTZ6.2	5013A
MTZ6.2B	5013A
MTZ6.2B(TA)	5013A
MTZ6.2BT	5013A
MTZ6.2BT-77	5013A
MTZ6.8	5014A
MTZ6.8BT-77	5014A
MTZ6.8C	5014A
MTZ7.5	5015A
MTZ8.2	5016A
MTZ9.1	5018A
MTZ9.1B	5018A◆
MTZ9.1TP	5018A
MTZ10	5019A
MTZ10-C	5019T1◆
MTZ11	5020A
MTZ11B	5020A
MTZ11BT-77	5020A
MTZ11TP	5020A
MTZ12	5021A
MTZ12B	5021T1
MTZ12BT-77	5021T1
MTZ12C	5021T1
MTZ13A	5021T1
MTZ13B	5021T1
MTZ18	5027A
MTZ18A	5027A
MTZ20	5029A
MTZ30B	5035A
MTZ30TP	5035A
MTZ607	136A
MTZ607A	136A
MTZ608	137A
MTZ608A	137A
MTZ610A	5071A
MTZ611A	138A
MTZ612A	5072A
MTZ613	139A
MTZ613A	139A
MTZ614	140A
MTZ614A	140A
MTZ615A	5074A
MTZ616	142A
MTZ616A	142A
MTZ617A	143A
MTZ618	145A
MTZ618A	145A
MTZ619A	5075A
MTZ620A	5077A
MTZ621A	5079A
MTZ622A	5080A
MTZ623A	5081A
MTZ624	146A
MTZ624A	146A
MTZ625A	5084A
MTZ626A	147A
MTZ627A	5085A
MTZ628A	5086A
MTZ629A	5087A
MTZ630A	5088A
MTZJ2.7	5002A
MTZJ3.0	5004A
MTZJ4.3	5008A
MTZJ4.7	5009A
MTZJ5.1	5010A
MTZJ5.1B	5010T1
MTZJ5.6	5011A
MTZJ5.6B	5011T1
MTZJ6.2	5013T1
MTZJ6.2B	5013T1
MTZJ6.2C	5013T1
MTZJ10	5019T1
MTZJ10C	5019T1
MTZJ12	5021T1
MTZJ12C	5021T1
MTZJ13	5022A
MTZJ51	5041A
MTZJ56	5042A
MU10	6410§
MU20	6409§
MU-26-1C	390
MU1628	177
MU2646	6410§
MU2646M	6401
MU4891	6410§
MU9610	188
MU9610F	188
MU9610S	188
MU9610ST	188
MU9610T	188
MU9611	188
MU9611G	188
MU9611T	188
MU9660	189
MU9660S	189
MU9660ST	189
MU9660T	189
MU9661	189
MU9661T	189
MUR105	587
MUR110	587
MUR115	587
MUR120	587
MUR405	576
MUR410	576
MUR415	576
MUR420	576
MUR430	576
MUR440	576
MUR450	577
MUR460	577
MUR470	577
MUR480	577
MUR490	577
MUR605CT	6240
MUR605CTR	6244
MUR610CT	6240
MUR610CTR	6244
MUR615CT	6240
MUR615CTR	6244
MUR620CT	6240
MUR620CTR	6244
MUR805	597
MUR810	597
MUR815	597
MUR820	597
MUR830	598
MUR840	598
MUR850	598
MUR860	598
MUR1505	599
MUR1510	599
MUR1515	599
MUR1520	599
MUR1605CT	6240
MUR1605CTR	6244
MUR1610CT	6240
MUR1610CTR	6244
MUR1615CT	6240
MUR1615CTR	6244
MUR1620CT	6240
MUR1620CTR	6244
MUR1630CT	6241
MUR1640CT	6241
MUR1650CT	6241
MUR1660CT	6241
MUR3005PT	6246
MUR3010CT	6246
MUR3010PT	6246
MUR3015CT	6246
MUR3015PT	6246
MUR3020CT	6246
MUR3020PT	6246
MUR3030PT	6247
MUR3040CT	6247
MUR3040PT	6247
MUR3050CT	6247
MUR3050PT	6247
MUR3060CT	6247
MUR3060PT	6247
MUR4100	577
MUS4987	6404
MV1	601
MV-1	601
MV-1Y	601
MV1Y	601
MV1YH	601
MV-2	601
MV3	601
MV-3(2)	601
MV3(Diode)	177
MV3(Rectifier)	116
MV4	600
MV-5	600
MV10	611
MV10A	611
MV11	605A
MV-11	605A
MV-11T	605A
MV11T	605A
MV-11Y	605A
MV-11YM	605A
MV12	605A
MV-12	605A
MV12A	605A
MV-12H	605A
MV-12M	605A
MV12N	605A
MV-12N	605A
MV-12NV	605A
MV13	605A
MV-13	605A
MV13YH	605A
MV-13YH	605A
MV-14	605A
MV20C	525
MV33	614
MV33A	614
MV50	3000
MV52	3003
MV53	3002
MV54	3001
MV55	3004
MV79L18ACZ	1907
MV121LF	601
MV-201	611
MV201	611
MV209	614
MV309M4	616
MV401	612
MV832	613
MV834	614
MV1410	613
MV1410A	613
MV1620	610
MV1624	611
MV1626	612
MV1634	613
MV1638	614
MV1720A	610
MV1724	611
MV1724A	611
MV1726	612
MV1726A	612
MV1734	613
MV1734A	613
MV1738	614
MV1738A	614
MV2101	610
MV2103	611
MV2104	612
MV2105	612
MV2107	613
MV2109	614
MV2111	614
MV2201	610
MV2203	611
MV2209	614
MV3007	610
MV3007E	610
MV3010	611
MV3010E	611
MV3012	612
MV3012E	612
MV3015	612
MV3015E	612
MV3020	613
MV3020E	613
MV3027	613
MV3027E	613
MV3033	614
MV3033E	614
MV3039	614
MV3039E	614
MV3501	610
MV3503	611
MV3504	612
MV3507	613
MV5023	3018
MV5024	3019
MV5053	3020
MV5054-2	3025
MV5074B	3007
MV5153	3023
MV5174B	3009
MV5253	3024
MV5274B	3010
MV5353	3021
MV5374B	3011
MV5491	3026
MV5753	3022
MV5774B	3008
MV6113	613
MV9051	611
MV9052	610
MV9053	610
MV9054	610
MV9151	612
MV9152	612
MV9153	612
MV9154	612
MV9251	613
MV9252	613
MV9253	613
MV9254	613
MV9351	614
MV9352	614
MV9353	614
MV9354	614
MV9600	614
MV9601	614
MV52164	3117
MV53164	3117
MV53173	3182
MV54173	3181
MV57164	3115
MV57173	3180
MVA-05A	116
MVB6113	613
MVB6116	613
MVB6124	612
MVB6125	612
MVB6126	612
MVB6128	614
MVB6129	614
MVB6130	614
MVB6136	613
MVE6112	610
MVE6115	611
MVE6124	612
MVE6125	612
MVE6139	610
MVE6141	610
MVS460	147A
MWA110	1768
MWA120	1769
MWA220	1770
MWS5101D8	65101
MWS5101E8	65101
MX-0167	109
MX-0592	1255§
MX205	135A
MX806	5017A
MX-2269	1658
MX2269	1658
MX-2273	1714S
MX-3013	1003
MX-3058	1192
MX3122	108
MX3123	108
MX-3198	977
MX-3200	1253
MX3215	1217
MX-3235	1254
MX-3240	1301
MX-3243	801
MX-3256	1192
MX-3260	1192
MX-3267	123AP
MX-3268	123AP
MX-3276	192§
MX-3309	74145
MX3336	746
MX-3369	973D
MX-3370	1195
MX-3372	1194§
MX-3379	1204
MX-3389	1082
MX-3393	1140
MX-3399	1198
MX3426	1465
MX-3434	1247
MX-3438	778A
MX-3440	812
MX-3449	778A
MX-3452	964
MX3467	1214
MX-3481(EBC)	297
MX-3540	1253
MX-3541	977
MX-3542	1497
MX-3543	950
MX3546	788
MX-3547	1192
MX-3568(Regulator)	128
MX-3623	1239
MX-3624	1234
MX-3625	801
MX3733	123AP
MX3734	159
MX-3734	159
MX-3735	123AP
MX3735	123AP
MX-3743	123AP
MX3743	123AP
MX-3808	74LS74A
MX-3835	778A
MX-3877	778A
MX-3878	1253
MX-3916	1249
MX-3918	1278
MX-3920	1271
MX-3937	123AP
MX-3944	290A
MX-3948	1170
MX-3975	108
MX-3976	1248
MX-3977	1381
MX-3978	123AP
MX-3979	1248
MX-4114	5402
MX-4127	1486
MX-4147	801
MX-4158	123AP
MX-4160	123AP
MX-4295	74LS273
MX-4297	7426
MX-4313	7416
MX-4314	74LS139
MX-4339	1932
MX-4340	1790
MX-4465	1512
MX-4476	1563
MX-4478	615A
MX-4479	1246
MX-4491	123AP
MX4491	123AP
MX4492	159
MX-4492	159
MX4493	159
MX-4493	159
MX-4504	289A
MX-4539	229
MX-4540	229
MX-4541	123AP
MX-4542	1557
MX-4712	1571
MX-4821	2013
MX-4873	85
MX-4875	1516
MX-4969	7019
MX-4972	123AP
MX-4973	159
MX-4974	1226
MX-5279	1416
MX-5280	1545
MX-5281	1538
MX-5367	2062
MX-5368	123AP
MX-5369	159
MX-5370	85
MX-5371	85
MX-5372	107
MX-5375	1294
MX-5429	1557
MX-5430	1248
MX-5436	1466
MX-5451	1606
MX-5475	1667
MX-5476	1517
MX5560	6809E
MX-5594	1248
MX-5596	1465
MX5741	955M
MX-5925	3470
MX-5926	2355◆
MX-6092	1751
MX-6093	1671
MX-6159	1781
MX-6160	1676
MX-6387	1751
MX-6406	74S11
MX-6452	1550
MX6536	1744
MX-6829	1572§
MXC-1312	799
MXC1312A	799
MXC1312P	799
MXT3904	2428
MXT3906	2439
MXTA42	2430
MXTA92	2431◆
MXTA93	2431◆
MY-1	116
MY201	612
MZ-00	177
MZ-08	5072A
MZ-043	5008A
MZ-047	5009A
MZ-061	5013A
MZ-075	5015A
MZ-081	5016A
MZ090	139A
MZ-5	5010A
MZ5A	136A
MZ5.1T5	135A
MZ6	137A
MZ-6	5013A
MZ6.2	137A
MZ6.2A	137A
MZ6.2B	137A
MZ6.2T5	137A
MZ-7	5071A
MZ7	5071A
MZ8	5072A
MZ-8	5072A
MZ9	131
MZ10	140A
MZ-10	5019A
MZ10A	140A
MZ-11	142A
MZ12	142A
MZ-12	142A
MZ12A	142A
MZ12B	142A
MZ14	144A
MZ15A	145A
MZ15B	5100A
MZ15T20	145A
MZ18B	5103A
MZ27A	146A
MZ33A	147A
MZ70-2.4A	5000A
MZ70-2.4B	5000A
MZ70-2.5A	5001A
MZ70-2.5B	5001A
MZ70-2.7A	5002A
MZ70-2.7B	5002A
MZ70-3.3A	5005A
MZ70-3.3B	5005A
MZ70MA	5070A
MZ82A	150A
MZ92	140A
MZ92-2.4	5000A
MZ92-2.5	5001A
MZ92-2.7	5002A
MZ92-3.3	5005A
MZ92-3.9A	134A
MZ92-4.7A	135A
MZ92-5.1A	135A
MZ92-5.6A	136A
MZ92-6.0B	5070A
MZ92-6.2A	137A
MZ92-9.1A	139A
MZ92-9.1B	139A
MZ92-10A	140A
MZ92-12A	142A
MZ92-15A	145A
MZ92-24B	5080A
MZ92-27A	146A
MZ92-576-4	7400
MZ-110	5020A
MZ110	5156A
MZ-110MA	141A
MZ110MA	141A
MZ111	5157A
MZ112	5158A
MZ113	5159A
MZ114	5160A
MZ115	5161A
MZ116	5162A
MZ117	5163A
MZ118	5164A
MZ120	5166A
MZ-130	5022A
MZ-140	5023A
MZ-150	5024A
MZ-157	5025A
MZ-177	5077A
MZ203	5004A
MZ204	5007A
MZ204B	5007A
MZ-204B	5007A
MZ205	5010A
MZ-205	5010A
MZ205B	5010A
MZ206	5012A
MZ206B	5012A
MZ207	5014A
MZ-207	5014A
MZ-208	5016A
MZ208	5016A
MZ-209	5018A
MZ209	5018A
MZ-210	5019A
MZ210	5019A
MZ-210B	5019A
MZ210B	5019A
MZ-212	5021A
MZ212	5021A
MZ212B	5021A
MZ214	5023A
MZ214B	5023A
MZ216	5025A
MZ216B	5025A
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MZ218B	5027A
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N4027-4F	2104
N4027-4N	2104
N4066	4066B
N4111(Dig. Trans)	2356
N4212(Dig.Trans)	2357
N4213(Dig. Trans)	2359
N4967	176
N5065	712
N5070	714
N5070B	714
N5071	715
N5071A	715
N5072	713
N5072A	713
N5101	65101
N5101F	65101
N5101N	65101
N5111	708
N5111A	708
N5239A	721
N5406(RCA)	177
N5519	139A
N5558V	778A
N5570B	714
N5596K	973§
N5700(IC)	1615
N5709A	909D
N5709T	909
N5710A	910D
N5710T	910
N5711A	911D§
N5711K	911
N5712(IC)	1618
N5723A	923D
N5723L	923
N5723T	923
N5740T	940§
N5741A	941D
N5741K	947
N5741T	941
N5741V	941M
N5747A	947D
N5747F	947D
N5747K	947
N5885N	6885
N5886N	6886
N5887N	6887
N5888N	6888
N6288A	4950
N7400A	7400
N7400F	7400
N7401	7401
N7401A	7400
N7401F	7400
N7402A	7402
N7402F	7402
N7403A	7403
N7403F	7403
N7404A	7404
N7404F	7404
N7404N	7404
N7405A	7405
N7405F	7405
N7406A	7406
N7406F	7406
N7407A	7407
N7407F	7407
N7408A	7408
N7408F	7408
N7409A	7409
N7409F	7409
N7410A	7410
N7410F	7410
N7411A	7411
N7411F	7411
N7413A	7413
N7413F	7413
N7414B	7414
N7414F	7414
N7416A	7416
N7416F	7416
N7417A	7417
N7417F	7417
N7420A	7420
N7420F	7420
N7421A	7421
N7421F	7421
N7426A	7426
N7426F	7426
N7430A	7430
N7430F	7430
N7432A	7432
N7432F	7432
N7437A	7437
N7437F	7437
N7437N	7437
N7438A	7438
N7438F	7438
N7439A	7439
N7439F	7439
N7440A	7440
N7440F	7440
N7441B	7441
N7441F	7441
N7442A	7442
N7442BA	7442
N7442BF	7442
N7442F	7442
N7442P	7442
N7443A	7443
N7443F	7443
N7444B	7444
N7444F	7444
N7445B	7445
N7446B	7446
N7447B	7447
N7447F	7447
N7448B	7448
N7450A	7450
N7450F	7450
N7451A	7451
N7451F	7451
N7453A	7453
N7453F	7453
N7454A	7454
N7454F	7454
N7460A	7460
N7460F	7460
N7470A	7470
N7470F	7470
N7472A	7472
N7472F	7472
N7473	7473
N7473A	7473
N7473F	7473
N7474A	7474
N7474F	7474
N7475B	7475
N7476B	7476§
N7476F	7476§
N7480A	7480
N7480F	7480
N7483B	7483
N7483F	7483
N7485A	7485
N7485F	7485
N7486A	7486
N7486F	7486
N7490A	7490
N7490F	7490
N7491A	7491
N7491F	7491
N7492A	7492
N7492F	7492
N7493A	7493A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
N7493F	7493A
N7493N	7493A
N7494B	7494
N7494F	7494
N7495A	7495
N7495F	7495
N7496B	7496
N7496F	7496
N8080A	8080A
N8080AN	8080A
N8233	8233
N8233F	8233
N8233N	8233
N8234	8234
N8234F	8234
N8234N	8234
N8235	8235
N8235F	8235
N8235N	8235
N8244F	74LS266
N8244N	74LS266
N8250	8250§
N8250F	8250§
N8250N	8250§
N8252	8301
N8252F	8301
N8252N	8301
N8266	8266
N8266F	8266
N8266N	8266
N8268	7480
N8268F	7480
N8268N	7480
N8270	74178§
N8270F	74178§
N8270N	74178§
N8271	74179
N8271F	74179
N8271N	74179
N8280	74176
N8280F	74176
N8280N	74176
N8281	74177
N8281F	74177
N8281N	74177
N8290	74196
N8290F	74196
N8290N	74196
N8291	74197
N8291F	74197
N8291N	74197
N8293	74LS197
N8293F	74LS197
N8293N	74LS197
N8422	74LS266
N8455	7440
N8455F	7440
N8455N	7440
N8470	7410
N8470F	7410
N8470N	7410
N8471	7412
N8471F	7412
N8471N	7412
N8480	7400
N8480F	7400
N8480N	7400
N8481	7403
N8481N	7403
N8490	7404
N8490F	7404
N8490N	7404
N8806	7460
N8806J	7460
N8806N	7460
N8808	7430
N8808J	7430
N8808N	7430
N8815	7425
N8815F	7425
N8815N	7425
N8815P	7451
N8828	7474
N8828F	7474
N8828N	7474
N8840	7450
N8840F	7450
N8840N	7450
N8848	74H74
N8848F	74H74
N8848N	74H74
N8859	7450
N8859F	7450
N8859N	7450
N8875	7427
N8875F	7427
N8875N	7427
N8879	7410
N8879F	7410
N8879N	7410
N8881	7401
N8881F	7401
N8881N	7401
N8890	7404
N8890F	7404
N8890N	7404
N8891	7405
N8891F	7405
N8891N	7405
N9301	8301
N9301F	8301
N9301N	8301
N9308F	8308
N9308N	8308
N9308NA	8308
N9309	8309
N9309F	8309
N9309N	8309
N9314B	8314
N9314F	8314
N9314N	8314
N9316B	8316
N9316N	8316
N9334N	74LS259
N9601A	9601
N9601N	9601
N9602B	9602
N9602N	9602
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N74107A	74107
N74107F	74107
N74109	74109
N74109B	74109
N74109F	74109
N74116	8308
N74116N	8308
N74121A	74121
N74121F	74121
N74122A	74123
N74122F	74122
N74123B	74123
N74123F	74123
N74132B	74132
N74132F	74132
N74136SF	74136
N74141B	74141
N74142SF	74142
N74143SF	74143§
N74144SF	74144§
N74145B	74145
N74147	74147
N74147F	74147
N74147N	74147
N74147SF	74147
N74150F	74150
N74150N	74150
N74151B	74153
N74151F	74151
N74153B	74153
N74153F	74153
N74154F	74154
N74154N	74154
N74155B	74155
N74155F	74155
N74156B	74156
N74156F	74156
N74157	74157
N74157F	74157
N74157N	74157
N74157SF	74157
N74158	74158
N74158F	74158
N74158N	74158
N74158SF	74158
N74160B	74160
N74160F	74160
N74161B	74161
N74161F	74161
N74162	74162
N74162B	74162
N74162F	74162
N74163B	74163
N74163F	74163
N74164A	74164
N74164F	74164
N74165B	74165
N74165F	74165
N74166B	74166
N74166F	74166
N74170B	74170
N74170F	74170
N74173	74173
N74173F	74173
N74173N	74173
N74173SF	74173
N74174	74174
N74175B	74175
N74175F	74175
N74180A	74180
N74180F	74180
N74181F	74181
N74181N	74181
N74182B	74182
N74182F	74182
N74190B	74190
N74190F	74190
N74191B	74191
N74191F	74191
N74192B	74192
N74192F	74192
N74193B	74193
N74193F	74193
N74195B	74195
N74195F	74195
N74198F	74198
N74198N	74198
N74199F	74199
N74199N	74199
N74221	74221
N74221F	74221
N74221N	74221
N74221SF	74221
N74290SF	74290
N74293SF	74293§
N74365A	74365
N74365AF	74365
N74365AN	74365
N74365SF	74365
N74366A	74366
N74366AF	74366
N74366AN	74366
N74366SF	74366
N74367A	74367
N74367AF	74367
N74367AN	74367
N74367SF	74367
N74368A	74368
N74368AF	74368
N74368AN	74368
N74368SF	74368
N74390SF	74390
N74393SF	74393
N74490SF	74490
N82147	74147
N82147F	74147
N82147N	74147
N82148	8318
N82148F	8318
N82148N	8318
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N5301521220	5030A
N5301571130	5022A
N5301571330	5036A
N5301571439	5008A
N5301571569	5011A
N5301810001	519
N5302470001	112
N5302491160	5025A
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N5302491759	5015A
N5302541039	5013T1
N5302600001	580
N5302600002	580
N5302620001	125
N5302990001	587
N5302990002	587
N5303020003	5021A
N5303051003	580
N5303260003	588
N6102500003	171
N6103600001	288
N6103690001(CBE)	159
N6104330002	2318
N6104340001(CBE)	159
N6104350001(CBE)	123AP
N6104350004(CBE)	199
N6104420001	319P
N6104980001(CBE)	159
N6105000001(CBE)	123AP
N6105000004(CBE)	199
N6105310001	198
N6105320003	2315
N6105510001	51
N6110180001	5466◆
N6110190001	56008
N6121860001	4016B
N6123270001	1566
N6123700001	1580§
N6124120002	1803
N6124440001	1754◆
N6124670001	1852
N6124790001	960
N6125450001	1786
N6125630001	1800
N6125640001	1801
NA01EG	128P
NA01EH	128P
NA01EJ	128P
NA01EX	128P
NA01EY	128P
NA01FG	24
NA01FH	24
NA01FI	24
NA01FJ	24
NA01FX	24
NA01FY	24
NA01HG(CBE)	128P
NA01HH(CBE)	128P
NA01HI(CBE)	128P
NA01HJ(CBE)	128P
NA01HY(CBE)	128P
NA02EG	129P
NA02EH	129P
NA02EI	129P
NA02EJ	129P
NA02EX	129P
NA02EY	129P
NA02FG	25
NA02FH	25
NA02FI	25
NA02FJ	25
NA02FX	25
NA02FY	25
NA02HG(CBE)	129P
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NA02HI(CBE)	129P
NA02HJ(CBE)	129P
NA02HX(CBE)	129P
NA02HY(CBE)	129P
NA0305	5940
NA0505	5940
NA1	5940
NA11	5834
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NA11EH	128P
NA11EI	128P
NA11EJ	128P
NA11EX	128P
NA11EY	123AP
NA11FG	24
NA11FH	24
NA11FI	24
NA11FJ	24
NA11FX	24
NA11FY	24
NA11HG(CBE)	128P
NA11HH(CBE)	128P
NA11HJ(CBE)	128P
NA11HU(CBE)	128P
NA11HV(CBE)	128P
NA11HX(CBE)	128P
NA12E	159
NA12EG	129P
NA12EH	129P
NA12EI	129P
NA12EJ	129P
NA12EX	129P
NA12EY	129P
NA12FG	25
NA12FH	25
NA12FI	25
NA12FJ	25
NA12FX	25
NA12FY	25
NA12HG(CBE)	129P
NA12HH(CBE)	129P
NA12HI(CBE)	129P
NA12HJ(CBE)	129P
NA12HX(CBE)	129P
NA12HY(CBE)	129P
NA13	116
NA13E	123AP
NA20	101
NA21	5834
NA21EG	128P
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NA21EJ	128P
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NA21EY	128P
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NA21FH	24
NA21FI	24
NA21FJ	24
NA21FX	24
NA21FY	24
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NA21HI(CBE)	128P
NA21HJ(CBE)	128P
NA21HX(CBE)	128P
NA21HY(CBE)	128P
NA21XG	128P
NA21XH	128P
NA21XI	128P
NA21XJ	128P
NA21XX	128P
NA21XY	128P
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NA21YH	24
NA21YI	24
NA21YJ	24
NA21YX	24
NA21YY	24
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NA-22	116
NA22EG	129P
NA22EH	129P
NA22EI	129P
NA22EJ	129P
NA22EX	129P
NA22EY	129P
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NA22FH	25
NA22FI	25
NA22FJ	25
NA22FX	25
NA22FY	25
NA22HG(CBE)	129P
NA22HH(CBE)	129P
NA22HI(CBE)	129P
NA22HJ(CBE)	129P
NA22HX(CBE)	129P
NA22HY(CBE)	129P
NA22XG	129P
NA22XH	129P
NA22XI	129P
NA22XJ	129P
NA22XX	129P
NA22XY	129P
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NA22YH	25
NA22YI	25
NA22YJ	25
NA22YX	25
NA22YY	25
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NA25	116
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NA31KH	49
NA31KI	49
NA31KJ	49
NA31KX	49
NA31KY	49
NA31W	186A
NA31XI	128P
NA31XX	128P
NA31XY	128P
NA32	116
NA32KG	50
NA32KH	50
NA32KI	50
NA32KJ	50
NA32KX	50
NA32KY	50
NA32XG	129P
NA32XH	129P
NA32XI	129P
NA32XJ	129P
NA32XX	129P
NA32XY	129P
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NA-36	116
NA36	116
NA42	116
NA45	116
NA46	116
NA-46	116
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NA76	125
NA84	125
NA85	125
NA86	125
NA92H2	1195
NA104	125
NA105	125
NA156H	1194§
NA603	5850
NA615	5854
NA1005	5944
NA1022-1001	160
NA1022-1007	102A
NA-1114-1001	160
NA-1114-1002	160
NA-1114-1004	102A
NA-1114-1005	102A
NA-1114-1006	102A
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NA-1114-1009	102A
NA-1114-1010	102A
NA-1114-1011	102A
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NA2002	1232
NA2005	5944
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NA5018-1002	126A
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NA5018-1016	102A
NA5018-1022	126A
NA5018-1219	126A
NA5018-1220	126A
NA16221435	909
NAM383	1232
NAP-TZ-8	121
NAP-TZ-10	102A
NAP-TZ-10	102A
NASD32	6408
NB011E	123A
NB011EV	123AP
NB013	199
NB021	294
NB021E	290A
NB53-101	853
NB111E	123AP
NB121	159
NB211	297
NB211E	289A
NB211EI	297
NB496A	973D
NBS12-50	5322
NBS12-200	5322
NBS12-400	5324
NBS12-600	5326
NBS12-800	5327
NBS12-1000	5328
NBS25-50	5322
NBS25-200	5322
NBS25-400	5324
NBS25-600	5326
NBS25-800	5327
NBS25-1000	5328
NBS35-50	5340
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NBS3541-6	5315
NBS3541-8	5316
NBS3541-10	5317
NC011U	4011B
NC29	109
NC30	102A
NC32	158
NC33	103A
NC34	176
NC207AL	123A
NC510	1255§
NC858C	1198
NC1709CP1	909
NC5104	1255§
NC6040	1255§
NCB14	295
NCB35	235
NCBJ14	295
NCBJ35	235
NCBV14	186A
NCBW35	235
NCD858	1198
NCM2147	2147
NCM2147-1	2147
NCM2147-3	2147
NCM2147J	2147
NCM2147J-1	2147
NCM2147J-3	2147
NCM2147N	2147
NCM2147N-1	2147
NCM2147N-3	2147
NCR046	128
NCR047	128
NCS9018D	107
NCVB14	186A
ND06AV	988
ND8L05	977
ND8L06	988
ND62WV	988
NDL062	988
NDL806	988
NDS103	210
NE56CCN	832
NE74LS01	74LS01
NE74LS01F	74LS01
NE74LS01N	74LS01
NE74LS13	74LS13
NE74LS13F	74LS13
NE74LS13N	74LS13
NE74LS21	74LS21
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NE74LS26	74LS26
NE74LS26F	74LS26
NE74LS26N	74LS26
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NE74LS37F	74LS37
NE74LS37N	74LS37
NE74LS40	74LS40
NE74LS40F	74LS40
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NE74LS54	74LS54
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NE74LS54N	74LS54
NE74LS76	74LS76A
NE74LS76J	74LS76A
NE74LS76N	74LS76A
NE74LS90	74LS90
NE74LS90F	74LS90
NE74LS90N	74LS90
NE74LS112	74LS112A
NE74LS112J	74LS112A
NE74LS112N	74LS112A
NE74LS125	74LS125A
NE74LS125F	74LS125A
NE74LS125N	74LS125A
NE74LS132	74LS132
NE74LS132F	74LS132
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NE74LS139	74LS139
NE74LS139F	74LS139
NE74LS139N	74LS139
NE74LS155	74LS155
NE74LS155F	74LS155
NE74LS155N	74LS155
NE74LS160A	74LS160A
NE74LS160AN	74LS160A
NE74LS162A	74LS162A
NE74LS162AF	74LS162A
NE74LS162AN	74LS162A
NE74LS170	74LS170
NE74LS170F	74LS170
NE74LS170N	74LS170
NE74LS192	74LS192
NE74LS192F	74LS192
NE74LS192N	74LS192
NE74LS258	74LS258
NE74LS258F	74LS258
NE74LS258N	74LS258
NE74LS366	74LS366A
NE74LS366A	74LS366A
NE74LS366AF	74LS366A
NE74LS366AN	74LS366A
NE74LS366F	74LS366A
NE74LS366N	74LS366A
NE74LS368	74LS368
NE74LS368F	74LS368
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NE74LS670	74LS670
NE74LS670F	74LS670
NE74LS670N	74LS670
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NE78L08	981
NE78M05	960
NE78M24	972
NE269	102A
NE-446AQ	177
NE532AN	928M
NE532AT	928
NE532N	929M
NE532T	928
NE536T	940§
NE542	824
NE542N	824
NE545B	2001
NE555	955M
NE555D	955SM
NE555JG	955M
NE555N	955M
NE555P	955M
NE555V	955M
NE556A	978
NE556D	978SM
NE556N	978
NE556V	978
NE558	926
NE558CP	926
NE558N	926
NE558V	926
NE565A	989
NE565N	989
NE566T	994
NE566V	994M
NE567	832
NE567C	832
NE567D	832SM
NE567DN1	832SM
NE567N	832
NE567V	832
NE592A	927D
NE592D	927D
NE592D14	927SM
NE592D(SOIC)	927SM
NE592F	927D
NE592H	927
NE592N	927D
NE592N14	927D
NE645B	2004
NE646	2004
NE646B	2004
NE646BN	2004
NE646N	2004
NE741CD	941SM
NE3118	289A
NE4304	312
NE4558D	778SM
NE5532F	778A
NE5532N	778A◆
NE5532P	778A
NE5560B	1672
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NLC60A	5570◆
NL-C60A	5570◆
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NL-C60B	5570◆
NLC60C	5572◆
NL-C60C	5572◆
NLC60D	5572◆
NL-C60D	5572◆
NL-C60E	5572◆
NLC60E	5572◆
NLC60G	5570◆
NL-C60G	5570◆
NLC60M	5572◆
NL-C60M	5572◆
NL-C62A	5575◆
NLC62A	5575◆
NL-C62B	5575◆
NLC62B	5575◆
NL-C62C	5577◆
NLC62C	5577◆
NL-C62D	5577◆
NLC62D	5577◆
NLC62E	5577◆
NL-C62E	5577◆
NLC62G	5575◆
NL-C62G	5575◆
NL-C62H	5577◆
NLC62H	5577◆
NL-C62M	5577◆
NLC62M	5577◆
NLC137E	5547
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NL-C137M	5547
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NLC151M	5371
NL-C151M	5371
NLC151N	5372
NL-C151N	5372
NL-C151P	5372
NLC151P	5372
NL-C151S	5372
NLC151S	5372
NL-C151T	5372
NLC151T	5372
NLC152E	5577
NL-C152E	5577
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NL-C152P	5579
NL-C152PA	5579
NLC152PA	5579
NL-C152PB	5579
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NL-C290PA	5589
NL-C290PB	5589
NL-C290PB	5589
NLC290S	5589
NL-C290S	5589
NLC290T	5589

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
NL-C290T	5589
NLC350A	5590
NL-C350A	5590
NLC350B	5590
NL-C350B	5590
NLC350C	5592
NL-C350C	5592
NLC350D	5592
NL-C350D	5592
NL-C350E	5592
NLC350E	5592
NL-C350M	5592
NLC350M	5592
NL-C350N	5592
NLC350N	5592
NLC350P	5592
NL-C350P	5592
NL-C350PA	5592
NLC350PA	5592
NL-C350PB	5592
NLC350PB	5592
NL-C350S	5592
NLC350S	5592
NLC350T	5592
NL-C350T	5592
NLC380A	5590
NL-C380A	5590
NLC380B	5590
NL-C380B	5590
NL-C380C	5592
NLC380C	5592
NLC380D	5592
NL-C380D	5592
NL-C380E	5592
NLC380E	5592
NL-C380M	5592
NLC380M	5592
NLC380N	5592
NLC380P	5592
NLC380PA	5592
NLC380PB	5592
NLC380S	5592
NLC380T	5592
NL-C501A	5594
NLC501A	5594
NLC501B	5594
NL-C501B	5594
NLC501C	5595
NL-C501C	5595
NL-C501D	5595
NLC501D	5595
NLC501E	5595
NL-C501E	5595
NLC501M	5595
NL-C501M	5595
NL-C501N	5596
NLC501N	5596
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NL-C501T	5596
NLC501T	5596
NLC570A	5542
NL-C570A	5542
NLC570B	5543
NL-C570B	5543
NLC570C	5545
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NLC570D	5547
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NL-F152M	5577
NLF152M	5577
NL-F152N	5579◆
NLF152N	5579◆
NL-F152P	5579◆
NLF152P	5579◆
NLF152S	5579◆
NL-F152S	5579◆
NLF152T	5579◆
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NMC2116-20	2128
NMC2116-25L	2128
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NMC6508J-9	6508
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NN7001	192§
NN7002	192§
NN7003	192§
NN7004	192§
NN7005	192§
NN7500	193
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NP2253	123A
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NP2272	123A
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NP2693	123A
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NP2696	159

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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NPC0050	116
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NPC108A	451
NPC115	128
NPC167	161
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NPC189	128
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NPC213N	457
NPC214N	457
NPC215N	457
NPC216N	457
NPC312N	312
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NPC1075	233
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NR071E	123AP
NR091ET	123A
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NR-10	101
NR10	101
NR20	103
NR30	101
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NR261AS	123A
NR271AY	123A
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NR-421AS	199
NR421DG	107
NR421DH	107
NR-431AG	123A
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NR461	123A
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NR461AF	107
NR-461AS	123A
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NR461EG	123A
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NR-601AT	159
NR601BT	159
NR601E	159
NR621AT	159
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NR621EU	159
NR631AY	159
NR-671ET	193
NR700	101
NR7916	312
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NRC005	1204
NS08	5461
NS010	5550
NS020	5550
NS2SA995-G/-1	45
NS8AT	581
NS8BT	581
NS8DT	581
NS8GT	581
NS8JT	598
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NS28	5463
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NS220	5552
NS310	5554
NS316	312
NS320	5554
NS324	5455
NS345	161
NS381	108
NS382	108
NS404	159
NS406	161
NS410	5554
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NS1864A	159
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NS6003R	5821
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NS6241	159
NS7261	108
NS7262	123A
NS7267	108
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NS9016F	107
NS9018E	108
NS9018F	108
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NS12003	5820
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NS12004	5820
NS12004R	5821
NS12006	5822
NS12006R	5823
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NS30001	6006
NS30001R	6007
NS30002	6006
NS30002R	6007
NS30003	6008
NS30003R	6009
NS30004	6010
NS30004R	6011
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NSD154	272
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NSD205	50
NSD401	186
NSD457	171
NSD458	171
NSD459	171
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NSD3020P	6090#
NSD3030	6084
NSD3030C	6090◆
NSD3030P	6090#
NSD3040C	6090◆
NSD3045	6084
NSD3045P	6090#
NSD3440	171
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NSD6045	6094
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NSD6179	49
NSD6180	50
NSD6181	50
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NSDU01A	186
NSDU02	49
NSDU05	49
NSDU06	49
NSDU07	49
NSDU10	171
NSDU45	272◆
NSDU51	187A
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NSDU51A	211
NSDU52	50
NSDU55	50
NSDU56	50
NSDU57	50
NSDU95	273
NSE170	187
NSE171	187

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
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NSE457	171
NSE458	171
NSE459	171
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NSF8BT	581#
NSF8DT	581#
NSF8GT	581#
NSF8JT	598#
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NSL4008L	5638
NSL5023	3018
NSL5024	3019
NSL5027	3025
NSL5053	3025
NSL5056	3022
NSL5057	3022
NSL5076A	3007
NSL5253	3024
NSL5253A	3024
NSL5274	3010
NSL5353	3021
NSL5353A	3021
NSL5374	3011
NSL5753	3025
NSL5774	3008
NSL6053	3020
NSL6153	3023
NSL6253	3024
NSL6353	3021
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OC170V	160
OC-171	126A
OC171	160
OC171N	160
OC171R	160
OC171V	160
OC200	159
OC201	159
OC202	159
OC203	159
OC204	159
OC205	159
OC206	159
OC207	159
OC302	102A
OC303	102A
OC-304	176
OC304	102A
OC304-1	102A
OC-304/1	158
OC-304/2	158
OC304-2	102A
OC-304/3	158
OC304-3	102A
OC304N	102A
OC305	102A
OC305-1	102A
OC-305/1	158
OC-305/2	158
OC305-2	102A
OC306	102A
OC-306/1	158
OC306-1	102A
OC306-2	102A
OC-306/2	158
OC-306/3	158
OC306-3	102A
OC-307	102A
OC307	102A
OC307-1	102A
OC307-2	102A
OC307-3	102A
OC308	102A
OC-308	102A
OC309	102A
OC309-1	102A
OC309-2	102A
OC309-3	102A
OC318	102A
OC-318	102A
OC320	160
OC330	102A
OC-330	102A
OC331	126A
OC-340	102A
OC340	102A
OC-341	102A
OC341	126A
OC342	126A
OC-342	102A
OC-343	102A
OC343	126A
OC-350	102A
OC350	102A
OC351	126A
OC-351	102A
OC360	102A
OC-360	102A
OC361	126A
OC362	126A
OC-362	102A
OC-363	102A
OC363	126A
OC-364	102A
OC364	102A
OC-390	126A
OC390	126A
OC400	160
OC-410	100
OC410	160
OC430	159
OC430K	159
OC440	159
OC440K	159
OC443	159
OC443K	159
OC445	159
OC445K	159
OC449	159
OC449K	159
OC450	159
OC460	159
OC460K	159
OC463	159
OC463K	159
OC465	159
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OC467K	159
OC468	159
OC468K	159
OC469	159
OC469K	159
OC470	159
OC470K	159
OC601	102A
OC602	102A
OC-602	102A
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OC602SQ	102A
OC603	102A
OC-604	102A
OC604	102A
OC604SP	102A
OC612	126A
OC-612	126A
OC-613	126A
OC613	126A
OC614	126A
OC-614	126A
OC-615	160
OC615	126A
OC615N	160
OC700	159
OC700A	159
OC700B	159
OC702	159
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OC702B	159
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OC711	102A
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OC742M	159
OC742O	159
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OF129	102A
OF131	519
OF156	519
OF160	116
OF162	177
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OF173	109
OF449	552
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O-I5551	194
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OLD416LD	3000
OLD3101D	3024
OLD4101D	3025
OLD7101D	3021
ON047204-2	123A
ON67A	109
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ON74LS08N	74LS08
ON74LS174N	74LS174
ON74LS175N	74LS175
ON74LS240N	74LS240
ON74LS244N	74LS244
ON74LS373N	74LS373
ON74LS374N	74LS374
ON74LS670N	74LS670
ON74S10N	74S10
ON74S20N	74S20
ON74S138N	74S138
ON174	160
ON271	123A
ON274	123A
ON642	280
ON732	245
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ON2170Q	3105
ON2170R	3105
ON3111	3098
ON3111Q	3098
ON3111R	3098
ON3112	3220
ON3112Q	3220
ON3112R	3220
ON3131	3098
ON3132	3220
ON3132R	3220
ON3134	3221
ON3134R	3221
ON3161	3098
ON3161Q	3098
ON3161-QR	3098
ON3161R	3098
ON3171	3098
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ON4047	2318
ON7438N	7438
ON47204-1	123A
ON74007N	7407
ONO84443	100
OOV60529	128
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OP-130	3028
OP131	3028
OP-131	3028
OP550	3034A
OP800	3032
OP801	3032
OP13009	3047
OP13010	3047
OP13011	3047
OP13012	3047◆
OP13020	3048
OP13021	3048
OP13022	3048
OP13023	3048◆
OP16000	3088
OP16100	3088
OP17002	3081
OP17010	3081◆
OP17320	3082
OP17340	3082
OPB816	3100
OPB817	3100
OPB861T55	3100
OPB862T55	3100
OPB871T55	3100
OPB872T55	3100
OPI2100	3041
OPI-2151	3040
OPI2151	3040
OPI2152	3040
OPI-2152	3040
OPI2153	3041
OPI2154	3040
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OPI2250	3040
OPI2251	3040
OPI2252	3040
OPI-2252	3040
OPI2253	3041
OPI2254	3040
OPI2255	3041
OPI3009	3047
OPI3010	3047
OPI3011	3047
OPI3012	3047◆
OPI3020	3048
OPI3021	3048
OPI3022	3048
OPI3023	3048◆
OPI3030	3049
OPI3031	3049
OPI3032	3049◆
OPI3150	3084
OPI3151	3084
OPI3152	3083
OPI3153	3084
OPI3250	3084
OPI3251	3084
OPI3252	3083
OPI3253	3084
OPI5000A	3040
OPI5010A	3040
OPI6000	3088
OPI6100	3088
OPI7002	3081
OPI7010	3081◆
OPI7320	3082
OPI7340	3082
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OPL1210	3009
OPL1211	3010
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OS492	176
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OSS16685	109
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OSS36885	116
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OZ-0505P600	5011A
OZ3.6T5	134A
OZ3.6T10	134A
OZ5.1T5	135A
OZ5.1T10	135A
OZ5.6T5	136A
OZ6.2T5	137A
OZ6.2T10	137A
OZ10T5	140A
OZ10T10	140A
OZ12T5	142A
OZ12T10	142A
OZ15T5	145A
OZ15T10	145A
OZ27T5	146A
OZ27T10	146A
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P00347101	159
P04-41-0025-001	519
P04-42-0011	519
P04-44-0028	123A
P04-45-0014-P2	123A
P04-45-0014-P5	123A
P04-45-0015-P1	159
P04-45-0016-P1	159
P04-45-0026-P5	128
P04-450016-002	159
P074LS04	74LS04
P0100-01	5348
P0100-02	5348
P0100-04	5348
P0100-06	5348
P0102AA	5402
P0102BA	5404
P0102CA	5405
P0102DA	5406
P0103BA	5404
P0103DA	5405
P0103MA	5406
P0445-0034-1	181
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P04410025-003	519
P04410042-001	519
P04410042-002	519
P04440028-001	123A
P04440028-009	123A
P04440028-014	123A
P04440028-8	123A
P04440032-001	123A
P04450016-004	159
P04450026P5	128
P04450032-1	218
P04450034-1	181
P04450034-2	181
P04450037	181
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P1A	121
P1A5	116
P1B	159
P1B5	116
P1C	159
P1C5	116
P1CG	159
P1D	159
P1D5	116
P1E	219
P1E-1	121
P1E-1BLK	219
P1E-1BLU	219
P1E-1GRN	219
P1E-1RED	219
P1E-1VIO	219
P1E-2BLK	219
P1E-2BLU	219
P1E-2GRN	219
P1E-2RED	219
P1E-2VIO	219
P1E-3BLK	219
P1E-3BLU	219
P1E-3GRN	219
P1E-3RED	219
P1E-3VIO	219
P1F	127
P1G	121
P1H	159
P1J	159
P1K	121
P1KBLK	121
P1KBLU	121
P1KBRN	121
P1KGRN	121
P1KORN	121
P1KRED	121
P1KYEL	121
P1L	102A
P1L4956	102A
P1M	129
P1N	159
P1N-1	159
P1N-2	159
P1N-3	159
P1P	159
P1P-1	159
P1R	104
P1T	121
P1V	185
P1V-1	185
P1V-2	185
P1V-3	185
P1V-4	153
P1W	159
P1Y	127
P2A	159
P2A5	116
P2B	153
P2B5	116
P2C	104
P2C5	116
P2D	121
P2D5	116
P2DBLU	121
P2DBRN	121
P2DGRN	121
P2DORN	121
P2DRED	121
P2DYEL	121
P2E	159
P2F	176
P2G	159
P2GE	159
P2H	159
P2J	180
P2K	153
P2L	159
P2M-1	159
P2M-2	159
P2M-3	159
P2M3Z	5404
P2M(SCR)	5404
P2N2222(CBE)	123AP
P2N2222A(CBE)	123AP
P2N2907(CBE)	159
P2N2907A(CBE)	159
P2P	159
P2R	104
P2S	159
P2T	185
P2T-1	185
P2T-2	185
P2T-3	185
P2T-4	185
P2U	189
P2U-1	189
P2U-2	211
P2V	189
P2W	159
P2Y	159
P2Z	179
P3/2H	117
P3A	197
P3A5	116
P3B	158
P3B5	116
P3C	159
P3C5	116
P3CA	159
P3D	102A
P3D5	116
P3E	131
P3EBLK	104
P3EBLU	104
P3EGRN	104
P3ERED	104
P3H	127
P3J	127
P3K	189
P3M	185
P3N	185
P3N-1	185
P3N-2	185
P3N-3	185
P3N-4	185
P3N-5	183§
P3P	185
P3P-1	185
P3P-2	185
P3P-3	185
P3P-4	185
P3P-5	185
P3R	131
P3R-1	131
P3R-2	131
P3R-3	131
P3R-4	131
P3S	185
P3T	131
P3T-1	131
P3T-2	131
P3U	197
P3UA	183§
P3V	242
P3W	219
P3Y	189
P3Z	159
P4A5	116
P4B	193
P4B5	116
P4C	159
P4C5	116
P4D	104
P4D5	116
P4E	185
P4E-1	183§
P4E-2	183§
P4E-3	242
P4E-4	242
P4F	127
P4G	159
P4H	127
P4J	242
P4J148	152
P4K	159
P4KE6.8	4902
P4KE6.8A	4902
P4KE13	4918
P4KE13A	4918
P4KE13C	4919
P4KE13CA	4919
P4KE18	4926
P4KE18A	4926
P4KE18C	4927
P4KE18CA	4927
P4KE20	4928
P4KE20A	4928
P4KE20C	4929
P4KE20CA	4929
P4KE27	4934
P4KE27A	4934
P4KE27C	4935
P4KE27CA	4935
P4KE51	4950
P4KE51A	4950
P4KE51C	4951
P4KE51CA	4951
P4KE68	4958
P4KE68A	4958
P4KE68C	4959
P4KE68CA	4959
P4KE200	4988
P4KE200A	4988
P4KE200C	4989
P4KE200CA	4989
P4KE200A	4988
P4KE200C	4989
P4KE200CA	4989
P4L	104
P4M	121
P4N	104
P4P	159
P4R	159
P4S	185
P4T	183§
P4U	185
P4V	185
P4V-1	185
P4V-2	183§
P4W	153
P4W-1	185
P4W-2	185
P4Y	159
P4Z	128
P5A5	116
P5B	159
P5B5	116
P5C	159
P5C5	116
P5D	159
P5D(SMD)	593
P5D5	116
P5F	242
P5H	153
P5L	185
P5M	187
P5R	185
P5S	242
P5U	153
P6/2H	116
P6A5	116
P6B5	116
P6C5	116
P6D5	116
P6E	185
P6G	153
P6KE6.8	4902
P6KE6.8A	4902
P6KE6.8C	4903
P6KE6.8CA	4903
P6KE13	4918
P6KE13A	4918
P6KE13C	4919
P6KE13CA	4919
P6KE18	4926
P6KE18A	4926
P6KE18C	4927
P6KE18CA	4927
P6KE20	4928
P6KE20A	4928
P6KE20C	4929
P6KE20CA	4929
P6KE27	4934
P6KE27A	4934
P6KE27C	4935
P6KE27CA	4935
P6KE51	4950
P6KE51A	4950
P6KE51C	4951
P6KE51CA	4951
P6KE68	4958
P6KE68A	4958
P6KE68C	4959
P6KE68CA	4959
P6KE200	4988
P6KE200A	4988
P6KE200C	4989
P6KE200CA	4989
P6RP8	125
P6RP10	125
P6SE6.8A	4902
P6SE13A	4918
P6SE13CA	4919
P6SE18A	4926
P6SE18CA	4927
P6SE20A	4928
P6SE20CA	4929
P6SE27A	4934
P6SE27CA	4935
P6SE51A	4950
P6SE51CA	4951
P6SE68A	4958
P6SE68CA	4959
P6SE200A	4988
P6SE200CA	4989
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P7C5	116
P7D5	116
P8/2H	116
P8B	197
P8C	292
P8H	153
P13T1	6402§
P15	113A
P16	114
P17	115
P19C	5987◆
P19E	5991◆
P19G	5995◆
P19J	5999◆
P20	116
P20C	5986◆
P20E	5990◆
P20G	5994◆
P20J	5998◆
P25DA30U	5711
P25DA40U	5711
P25DA60U	5711
P25DA80U	5711
P25DA100U	5711
P25DA120U	5711
P25DS30U	5710
P25DS40U	5710
P25DS60U	5710
P25DS80U	5710
P25DS100U	5710
P25DS120U	5710
P30N05E(FET)	2389
P30N06E(FET)	2389◆
P32H	116
P34-3	131
P40DA30U	5711
P40DA40U	5711
P40DA60U	5711
P40DA80U	5711
P40DA100U	5711
P40DA120U	5711
P40DS30U	5710
P40DS40U	5710
P40DS60U	5710
P40DS80U	5710
P40DS100U	5710
P40DS120U	5710
P51A	6007
P51B	6007
P51C	6007
P52A	6006
P52B	6006
P52C	6006
P55DA30U	5711
P55DA40U	5711
P55DA60U	5711
P55DA80U	5711
P55DA100U	5711
P55DA120U	5711
P55DS30U	5710
P55DS40U	5710
P55DS60U	5710
P55DS80U	5710
P55DS100U	5710
P55DS120U	5710
P61AM6116H	2128
P61LS00**H	74LS00
P61LS14**H	74LS14
P61LS32**H	74LS32
P61LS74**H	74LS74A
P61LS139*H	74LS139
P61LS373*H	74LS373
P61LS374*H	74LS374
P61XX0002	955M
P61XX0027	834
P62D1S1588	519
P62H	116
P62T2B920	55
P62X011	116
P62X020	290A
P62X045	5312
P62X046	5312
P62X048	146A
P62X049	5005A
P62X050	2356
P67	159
P70D30U	6230
P70D40U	6230
P70D60U	6230
P70D80U	6230
P70D100U	6230
P70D120U	6230
P82H	116
P90DS30U	5720
P90DS40U	5720
P90DS60U	5720
P90DS80U	5720
P90DS100U	5720
P90DSU120	5720
P100	116
P100A	116
P100B	116
P100D	116
P100G	116
P100J	116
P101	5700
P101W	5700
P102	5700
P102W	5700
P103	5700
P103W	5700
P104	5700
P104W	5700
P105W	5700
P110R	6003
P111	5701
P111W	5701
P112	5701
P112W	5701
P113	5701
P113W	5701
P114	5701
P114W	5701
P115	5701
P115W	5701
P131	5702
P132	5702
P133	5702
P134	5702
P135	5702
P141	5703
P142	5703
P143	5703
P144	5703
P145	5703
P150A	116
P150B	116
P150D	116
P150G	116
P150J	116
P161	5704
P162	5704
P163	5704
P164	5704
P165	5704
P171	5705
P172	5705
P173	5705
P174	5705
P175	5705
P200	116
P218-1	188
P218-2	189
P300A	156
P300B	156
P-300D	156
P300D	156
P300DL	156
P300G	156
P300GG1	116
P300J	156
P300K	156
P300M	156
P346	108
P400	116
P400E05	6102
P400E05R	6103
P480A0018	128
P480A0022	159
P480A0023	159
P480A0027	159
P480A0028	123A
P480A0029	123A
P504	5940
P504A	3086
P504R	5944
P506	5940
P506R	5944
P510	5940
P510R	5944
P521-1	3098
P521-2	3220
P521-2GB	3220
P521-4	3221
P521-4GB	3221
P531	3041
P532	3041
P541G	3091
P547G	3091
P580	125
P600	116
P600A	5812
P600B	5812
P600D	5814
P600G	5814
P600J	5815
P600K	5817
P600M	5817
P621	3098
P621-2	3220
P621-2GB	3220
P621-4	3221
P621-4GB	3221
P621GB	3098
P800	125
P908	3105

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
P908LB	3105
P1000	125
P1000A	159
P1004	5944
P1004R	5855
P1006	5944
P1006R	5855
P1010	5944
P1010R	5945
P1012-1	2V250
P1012-2	2V130
P1012-3	1V275
P1012-4	1V250
P1012-5	1V130
P1012-6	2V275
P1062-02	3041
P1104	6002
P1104R	6003
P1106	6002
P1106R	6003
P1110	5890◆
P1110R	5891
P1172	177
P1172-1	177
P1603-02	3041
P1901-48	199
P1901-50	123A
P1901-70	159
P2004	5944
P2004R	5945
P2006	5944
P2006R	5945
P2010	5944
P2010R	5945
P2015	727
P2102A	2102
P2102A-4	2102
P2102A-6	2102
P2104A	2104
P2104A-2	2104
P2104A-3	2104
P2104A-4	2104
P2107A	2107
P2107A-1	2107
P2107A-4	2107
P2107A-5	2107
P2107AA5	2107
P2107B	2107
P2107B-1	2107
P2107B-2	2107
P2107B-4	2107
P2107C	2107
P2107C-2	2107
P2107C-4	2107
P2114	2114
P2114-3	2114
P2114A-3	2114
P2114AP-3	2114
P2117-3	2117
P2117-4	2117
P2117-5	2117
P2128	2128
P2128-15	2128
P2128-20	2128
P2147	2147
P2147-3	2147
P2147-6	2147
P2164	2164
P2164-15	2164
P2164-20	2164
P2164-25	2164
P2164A	2164
P2164A-15	2164
P2164A-20	2164
P2271	130
P2440	156
P2732	2732
P2732A	2732
P2732A-2	2732
P2732A-3	2732
P2732A-4	2732
P2732A-20	2732
P2732A-25	2732
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PE10	5309◆
PE20	5309◆
PE25F-20	5712
PE25F-40	5712
PE25F-60	5712
PE25F-80	5712
PE40	5310◆
PE40F-20	5712
PE40F-40	5712
PE40F-60	5712
PE40F-80	5712
PE55F-20	5712
PE55F-40	5712
PE55F-60	5712
PE55F-80	5712
PE60	5310◆
PE70F-20	5722
PE70F-40	5722
PE70F-60	5722
PE70F-80	5722
PE80	5311◆
PE100	5311◆
PE107	123AP
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PE108	123AP
PE108A	123AP
PE108B	123AP
PE109B	123AP
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PE406	116
PE408	125
PE410	125
PE502	116
PE504	116
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PE508	125
PE510	125
PE1003	123AP
PE1004	123AP
PE1007A	123AP
PE1007B	123AP
PE1008A	123AP
PE1008B	123AP
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PE2550	229
PE3001	123AP
PE4020	123AP
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PE9002	123AP
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PET3704	123A
PET3705	123A
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PET3904	123A
PET3905	159
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PF8Z68	4958
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PF80	5306
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PFZ18A	4926
PFZ20	4928
PFZ20A	4928
PFZ27	4934
PFZ27A	4934
PFZ51	4950
PFZ51A	4950
PFZ68	4958
PFZ68A	4958
PFZ200	4988
PFZ200A	4988
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PFZD27	4935
PFZD68	4959
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PH40-600R	5995
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PH40-1000R	6003
PH60	5330
PH70-200	6054
PH70-200R	6055
PH70-600	6064
PH70-600R	6065
PH70-1000	6072
PH70-1000R	6073
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PM195	107
PM195A	108
PM308AP	938M
PM355AJ	937◆
PM355J	937
PM356AJ	937◆
PM356J	937
PM357AJ	937◆
PM357AP	937M◆
PM357J	937
PM357P	937M
PM725CJ	925
PM741CJ	941
PM741CY	941D
PM1120	234
PM1121	123A
PMB74LS244P	74LS244
PMBD914	593
PMBD2835	596
PMBD2836	596
PMBD2837	595
PMBD2838	595
PMBD6100	595
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PMBT2222A	2406
PMBT2369	2406
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PMBTA06	2406
PMBTA55	2407
PMBTA56	2411
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PMC-QP0012	130
PMC-QP0040	181
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PMD18K100	2349
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PMD19D100	2350
PMD19K80	2350
PMD19K100	2350
PMD 12K40	243
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PMR27K200	6200
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PN66	152
PN70	159
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PN72	159
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PN100A	123AP
PN101	123AP
PN107	123A
PN140	3038
PN150	3120
PN150NV	3120
PN150PT-1	3120
PN200	159
PN200A	159
PN201	159
PN204	116
PN205	3121
PN205PT-1	3121
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PN313	3033
PN350	130
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PN929	123AP
PN930	123AP
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PN1893	123AP
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PN2221	123AP
PN2221A	123AP
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PN2222A	123AP
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PN2369	123AP
PN2369A	123AP
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PN2905A	159
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PN2906A	159
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PN2907A	159
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PN3251	159
PN3251A	159
PN3563	108
PN3564	123AP
PN3565	123AP
PN3566	123AP
PN3567	194
PN3568	194
PN3569	194
PN3638	159
PN3638A	159
PN3639	217
PN3640	217
PN3641	123AP
PN3642	123AP
PN3643	123AP
PN3644	159
PN3645	159
PN3646	123AP
PN3691	123AP
PN3692	123AP
PN3694	123AP
PN3742	287
PN3743	288
PN4013	123AP
PN4121	159
PN4122	159
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PN4250	159
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PN4258	159
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PN4393	469
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PN5131	123AP
PN5132	123AP
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PN5135	123AP
PN5136	123AP
PN5137	123AP
PN5138	159
PN5140	217
PN5142	159
PN5143	159
PN5172	123AP
PN5178	229
PN5449	123AP
PN5816	123AP
PN5855	129P
PN5857	129P
PN5965	287
PN6076	159
PN6650-02	848§
PN7055	287
P/N10000020	123A
PO74LS368A	74LS368
PO93	109
PO100-01	5348
PO100-02	5348
PO100-04	5348
PO100-06	5348
POSN74LS123N	74LS123
POSN74LS138N	74LS138
POSN74LS157N	74LS157
POSN74LS161AN	74LS161A
POSN74LS166N	74LS166
POSN74LS221N	74LS221
POSN74LS245N	74LS245
POSN74LS368AN	74LS368
POSN74LS373N	74LS373
POSN74S153N	74S153
POSN7407N	7407
POSN7416N	7416
POSN7417N	7417
POSN7445N	7445
POSN74145N	74145
POT100-01	5338
POT100-02	5338
POT100-04	5338
POT100-06	5338
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POWER25	121
POWER40	105
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POWER80	105
POWER99	121
POWER299	121
POWER500	105
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PP20	5313
PP40	5314
PP60	5315
PP80	5316
PP100	5317
PP3000	130
PP3001	181
PP3003	130
PP3004	181
PP3006	130
PP3007	181
PP3008	280
PP3250	152
PP3310	152
PP3312	152
PP3589	130
PP3647	181
PPR1006	186
PPR1008	186
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PQ28	158
PQ29	158
PQ30	160
PQ31	104
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PR605	135A
PR617	142A
PR-620	145A
PR620	145A
PR804	135A
PR1001	587
PR1001L	587
PR1002	587
PR1002L	587
PR1003	587
PR1003L	587
PR1004	552
PR1004L	552
PR1005	506
PR1005L	552
PR1006	506
PR1006L	506
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PR1507	506
PR3001	588
PR3002	588
PR3003	588
PR3004	576
PR3005	580
PR3006	577
PR3007	577
PR5400	156
PR5401	156
PR5402	156
PR5403	156
PR5404	156
PR5405	156
PR5406	156
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PR9000	5846

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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PR9002	5848
PR9002R	5849
PR9003	5848
PR9003R	5849
PR9004	5866
PR9004R	5867
PR9005	5866
PR9005R	5867
PR9006	5868
PR9006R	5869
PR9007	5868
PR9007R	5869
PR9008	5886
PR9008R	5887
PR9009	5886
PR9009R	5887
PR9010R	5891
PR9011	5890
PR9011R	5891
PR9012	5998
PR9012R	5999
PR9013	5998
PR9013R	5999
PR9014	6002
PR9014R	6003
PR9015	6002
PR9015R	6003
PR9023	5998
PR9024	5998
PR9025	6002
PR9026	6002
PR9034	6020
PR9034R	6021
PR9035	6026
PR9035R	6027
PR9036	6026
PR9036R	6027
PR9037	6034
PR9037R	6035
PR9038	6034
PR9038R	6035
PR9039	6040
PR9039R	6041
PR9040	6040
PR9040R	6041
PR9041	6042
PR9041R	6043
PR9042	6042
PR9042R	6043
PR9043	6044
PR9043R	6045
PR9044	6044
PR9044R	6045
PR9045	6354
PR9045R	6355
PR9046	6354
PR9046R	6355
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PR9048	6354
PR9048R	6355
PR9049	6354
PR9049R	6355
PR9050	6356
PR9050R	6357
PR9051	6356
PR9051R	6357
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PR9059R	6355
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PRC20A	5483§
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PRD160	137A
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PTC509	145A
PTC510	5077A
PTC511	144A
PTC512	147A
PTC513	5090A
PTC514	149A
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PTC517	5086A
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PZ22A	5197A
PZT18	5194A
PZT22	5197A
PZT27	5200A
PZT33	5203A
PZW	5070A
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Q-00484R	123A
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Q-00569	123A
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Q-00684R	123A
Q-00769	175
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Q-03115C	123A
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Q-06115C	123A
Q-07115C	123A
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Q0V60526	102A
Q0V60527	103A
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Q19E	5991◆
Q19G	5995◆
Q19J	5999◆
Q19L	6003◆
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Q4040D5	56024
Q4040J7	56030◆
Q4040K7	56030
Q4040P	5679
Q4040W7	56033
Q4041UBR	4041
Q4047BR	4047B
Q4048BR	4048B
Q4070BR	4070B
Q4089BR	4089B
Q4436BR	4536B
Q4502BR	4502B
Q4508BR	4508B
Q4528BR	4528B
Q4531BR	4531B
Q4543BR	4536B
Q4547BR	4547B
Q4566BR	4566B
Q4583BR	4583B
Q4585BR	4585B
Q5003L4	5620
Q5004L4	5620
Q5004LT	5646
Q5006A	5679◆
Q5006H	5677
Q5006L4	5645
Q5006LT	5646
Q5006R4	5637
Q5008A	5679◆
Q5008H	5677
Q5008L4	5620
Q5008L4A	5645
Q5008L5	5645
Q5008LT	5646
Q5008R4	5637
Q5010A	5679◆
Q5010H	5677
Q5010L4	5645
Q5010L5	5645
Q5010LT	5646
Q5010R5	5637
Q5012L5	56008#
Q5012R5	56008
Q5015A	5679◆
Q5015L5	56008#
Q5015R5	56008
Q5025C	5679◆
Q5025D	56026
Q5025G	5690
Q5025H	5697
Q5025J6	56031◆
Q5025K6	56031
Q5025L5	56017#
Q5025L6	5699
Q5025P	5679
Q5025R5	56017
Q5025R6	56017
Q5025Z6	5679
Q5030	127
Q5039	103A
Q5040C	5679◆
Q5040D	56026
Q5040D5	56026
Q5040J7	56031◆
Q5040K7	56031
Q5040P	5679
Q5040W7	56033
Q5044	160
Q5050	103A
Q5051A	5679◆
Q5053	85
Q5053(Sanyo)	85
Q5053A	199
Q5053D	199
Q5053E	199
Q5053F	199
Q5053G	199
Q5053NP	199
Q5053Y	199
Q5075CLY	124
Q5075DLY	124
Q5075DXY	124
Q5075ELY	124
Q5075EXY	124
Q5075FXY	124
Q5075ZMY	124
Q5077	290A
Q5077(Sanyo)	290A
Q5077A(Sanyo)	290A
Q5077E	290A
Q5077EA	290A
Q5077F	290A
Q5078Z	199
Q5083C	162
Q5087Z	159
Q5100A	129
Q5102	290A
Q5102A	290A
Q5102A(Sanyo)	290A
Q5102P	234
Q5102Q	234
Q5102QA	290A
Q5102R	234
Q5102S	234
Q5102Y	234
Q5104Z	124
Q5111	238
Q5111K	238
Q5111ZK	238
Q5113ZLM	124
Q5113ZMM	124
Q5113ZMY	124
Q5116C	290A
Q5116CA	290A
Q5119	162
Q5119D	162
Q5119E	162
Q5119F	162
Q5120	162
Q5120P	162
Q5120Q	162
Q5120R	162
Q5121	199
Q5121O	199
Q5121Q	199
Q5121R	199
Q5123E	123A
Q5123F	123A
Q5124	297
Q5134Z	175
Q5135	159
Q5135-0	159
Q5135-0Y	159
Q5135QY	159
Q5135-Y	159
Q5136F	198
Q5137BA	291
Q5137CA	291
Q5138	198
Q5138K	198
Q5138L	198
Q5138M	198
Q5140	165
Q5140Q	165
Q5140R	165
Q5140XP	165
Q5140Z	165
Q5140ZX-O	165
Q5140ZXP	165
Q5140ZXQ	165
Q5140ZXR	165
Q5153	199
Q5160	198
Q5160-O	198
Q5160Q	198
Q5160R	198
Q5160Y	198
Q5161Z	238
Q5163	375
Q5163D	375
Q5163E	375
Q5163F	375
Q5175	198
Q5175C	198
Q5175D	198
Q5175DXV	376
Q5175E	198
Q5175TM	198
Q5175ZXV	198
Q5175ZXY	198
Q5176D	198
Q5178	198
Q5180	199
Q5183	85
Q5183(Sanyo)	85
Q5183C	289A
Q5183P	199
Q5183Q	199
Q5183R	199
Q5196(Sanyo)	294
Q5199	162
Q5202	198
Q5205	290A
Q5206	162
Q5207	238
Q5207Z	238
Q5209	294
Q5210	199
Q5655	290A
Q6003L4	5620
Q6004L4	5620
Q6004LT	5646
Q6006A	5679◆
Q6006H	5677
Q6006L4	5645
Q6006L5	5620
Q6006LT	5646
Q6006R5	5637
Q6008A	5679◆
Q6008H	5677
Q6008L4	5645
Q6008L5	5645
Q6008L5A	5645
Q6008LT	5646
Q6008R5	5637
Q6010A	5679◆
Q6010H	5677
Q6010L4	5645
Q6010L5	5645
Q6010LT	5646
Q6010R5	5637
Q6012L5	56008#
Q6012R5	56008
Q6015A	5679◆
Q6015L5	56008#
Q6015R5	56008
Q6025C	5679◆
Q6025D	56026
Q6025G	5690
Q6025H	5697
Q6025J6	56031◆
Q6025K6	56031
Q6025L5	56017#
Q6025L6	5699
Q6025P	5679
Q6025R5	56017
Q6025R6	56017
Q6025Z6	5679◆
Q6040C	5679◆
Q6040D	56026
Q6040D5	56026
Q6040J7	56031◆
Q6040K7	56031
Q6040P	5679
Q6040W7	56033
Q6521	288
Q6522	288
Q6526Z(Sanyo)	399
Q6531	399
Q6531ZM	399
Q6536	399
Q6536P(Sanyo)	399
Q6536Q	399
Q6536R	399
Q6541	399
Q6541ZM	399
Q6543	399
Q6543A	399
Q6562	290A
Q6562(Sanyo)	290A
Q6562G	290A
Q6565	85
Q6565(Sanyo)	85
Q6582Z	10
Q6597(Sanyo)	89
Q6597Z	89
Q6609(Sanyo)	376
Q6609Z(Sanyo)	376
Q6640Z	52
Q6649	373
Q6649Z	373
Q6650	374
Q6650Z	374
Q6697	459
Q6730D(Sanyo)	31
Q6730R(Sanyo)	31
Q6780(Sanyo)	319P
Q6780Z(Sanyo)	319P
Q6783Z	157
Q6784	157
Q6784K(Sanyo)	157
Q6784L(Sanyo)	157
Q6784M(Sanyo)	157
Q6785(Sanyo)	89
Q6793(Sanyo)	382
Q6803	399
Q6803(Sanyo)	399
Q6805	157
Q6805R	157
Q6829(Sanyo)	2308
Q6831(Sanyo)	53
Q7004L4	5620
Q7006L5	5620
Q7008L5	5620
Q7010L5	5671
Q7010R5	56010
Q7012L5	5671
Q7012R5	56010
Q7015L5	5671
Q7015R5	56010
Q7025L6	5699
Q7025R6	56018
Q7219(Sanyo)	778A
Q7227(Sanyo)	1538
Q7227R	1538
Q7256	1658
Q7256(Sanyo)	1658
Q7293	1548§
Q7296	1548§
Q7327A(Sanyo)	4053B
Q7350(Sanyo)	74LS86
Q7368(Sanyo)	1746§
Q7372A	4053B
Q7393	4013B
Q7402(Sanyo)	74LS86
Q7406	4052B
Q7406(Sanyo)	4052B
Q7448(Sanyo)	4053B
Q7478A(Sanyo)	4066B
Q7652(Sanyo)	4066B
Q7653A(Sanyo)	4066B
Q7668(Sanyo)	1217
Q7682(Sanyo)	1576
Q7748	1277
Q8004L4	5620
Q8008L5	5620
Q8010L5	5671
Q8010R5	56010
Q8012L5	5671
Q8012R5	56010
Q8015L5	5671
Q8015R5	56010
Q8025L6	5699
Q8025R6	56018
Q8266R	289A
Q8266S	289A
Q8266T	289A
Q-10115C	123A
Q-10484R	724
Q10584-01	2030
Q-11115C	152
Q-12115C	152
Q-13115C	199
Q-14115C	123A
Q-15115C	123A
Q-16115C	123A
Q-17115C	299§
Q-18115C	282§
Q-20115C	116
Q-21115C	177
Q-22115C	109
Q-23115C	519
Q-24115C	177
Q-25115C	139A
Q-26115C	116
Q34450	124
Q35218	102A
Q35242	123A
Q35259	161
Q40263	102A
Q40359	160
Q50787	233
Q50787Z	233
Q51020	234
Q51210	199
Q51327	165
Q51350Y	159
Q200415	121
Q310347	107
Q321323	229
Q330916	199
Q331025	186A
Q331034	186A
Q331614	229
Q331629	235
Q610513	222
QA01-07RE	5071A
QA01-08R	5072A
QA01-08Z	5072A
QA01-11SE	5074A
QA01-25RA	5081A
QA01-115E	5074A
QA0213AB	5022A
QA0313B	5022A◆
QA-1	160
QA1-11M	5074A
QA8	128
QA-8	128
QA-10	128
QA11	124
QA-11	129
QA-12	123A
QA-13	123A
QA-14	123A
QA-15	123A
QA-16	123A
QA-17	129
QA-18	312
QA-19	123A
QA-20	312
QA-21	159
QA-21A	159
QA91	109
QA105R	5010A
QA105RA	5009A
QA105S	5010A
QA106S	137A
QA106SBV	5013A
QA107R	5014A
QA107RA	5014A
QA107RE	5014A
QA107REV	5071A
QA107RF	5071A
QA107SP	5014A
QA108SH	5016A
QA111M	5074A
QA111S	5074A
QA111SEV	5074A
QA112R	5021A
QA112R1	5021A
QA112RN-2	5021A
QA116R	5025A
QA121R2	5030A
QA135R2	5037A
QA205AB	5009A
QA205ABV	5009A
QA205C	5010A
QA205D	5010T1
QA205E	5010A
QA205F	5010A
QA205G	5010A
QA205GV3	5010A
QA206A	5012A
QA206AB	5011A
QA206B	5012A
QA206CD	5013T1
QA206G	5013T1
QA206M	5012A
QA206MV	5012A
QA207D	5015A
QA207M	5014A
QA207M3	5014A
QA208	5016A
QA208C	5016A◆
QA208G	5016A
QA208GV3	5016A
QA209B	5017A
QA209C	5018A
QA209M	5018A
QA209M9	5018A
QA210D	5019T1
QA211B	5020A
QA211CD	5021T1
QA211N1	5020A
QA212B	5021T1
QA213A	5022A
QA213B	5022A
QA213M2	5022A
QA220AB	5029A
QA225	5032A
QA225A	5032A
QA225ABC	5032A
QA225B	5032A
QA225C	5032A
QA228B	5034A
QA230B	5035A
QA230C	5035A
QA233C	5037A
QA233G	5037A
QA235A	5037A
QA235AC	5037A
QA235C	5037A
QA235G	5037A
QA703E	703
QA1063	5013A
QA2206CD	5012A
QB01-15ZB	145A
QB01-18	5077A
QB105M	135A
QB105N	135A
QB106P	5070A
QB106PV	5070A
QB107D	5071A
QB107S	5071A
QB107SV	5071A
QB109SA	5073A
QB110D	5074A
QB110DV	140A
QB111Z	5074A
QB112	142A
QB112E1	142A
QB115ZB	145A
QB115ZBV	145A
QB118	5077A
QB400428	9914
QC0011(Sanyo)	1781
QC0031A	1656◆
QC0031A(Sanyo)	1656◆
QC0042(Sanyo)	966
QC0056(Sanyo)	74LS05
QC0065(Sanyo)	1741◆
QC0069(Sanyo)	928M
QC0073(Sanyo)	1772
QC0074(Sanyo)	1782
QC0080(Sanyo)	1685
QC0081	4052B
QC0081(Sanyo)	4052B
QC0085(Sanyo)	1728
QC0093	1673
QC0093(Sanyo)	1673
QC055(Sanyo)	1771
QC0234	4071B
QC0235	4071B
QC0239	4071B
QC0275(Sanyo)	1845
QC0291	1677
QC0291(Sanyo)	1677
QC0300(Sanyo)	1773
QC0343	4013B
QC0352(Sanyo)	1798
QC0380(Sanyo)	1744
QC0543(Sanyo)	1778
QC0573(Sanyo)	1797
QC0680(Sanyo)	1859
QC0713(Sanyo)	1847
QC0769(Sanyo)	1860
QC0846(Sanyo)	1780
QC0852(Sanyo)	1838
QC-1	358
QC1074(Sanyo)	7004
QC1280(Sanyo)	7009
QD30	345
QD-331885XT	116
QD-AM205XE	135A
QD-ARD9ECAA	139A
QD-C0710XBE	123A
QD-CS2688DJ	614
QDCTT310XQ	614
QD-CTT310XQ	613
QD-CTT410KQ	612
QD-CTT410XQ	612
QDCTT410XQ	612
QD-G1N60PXT	109
QD-G1N60XXT	109
QDG1N60XXT	109
QDG1S32XXT	109
QD-G1S32XXT	109
QD-G1S188XZ	109
QD-S1S953XA	156
QDSGP25GAG	156
QD-SGP25GAG	156
QDSGP25GXG	156
QD-SGP25GXG	116
QD-SMA150XN	177
QD-SN4448XZ	519
QD-SN5401Z	156
QDSRA1ZXXD	552
QD-SS1B85XT	116
QD-SS155XT	177
QD-SS188XT	116
QDSS1555X7	177
QDSS1555XT	177
QD-SS1555XT	177
QD-SS1885XT	116
QD-SS1885XY	116
QD-SSA3AMBE	156
QD-SSR1KX4P	116
QD-SSR3AMBE	156
QDSSR3AMBE	125
QD-SSS53XXA	177
QD-SV06CSSB	116
QD-SV06CXX6	116
QD-SV06CXXB	116
QD-SVD6CSSB	116
QD-SVO6CXXB	506
QD-Z5R6EBAA	5011A
QD-ZBZ162XJ	5075A
QD-ZM205XE	135A
QD-ZMZ205KE	135A
QDZMZ205XE	135A
QD-ZMZ205XE	135A
QD-ZMZ305KE	135A
QD-ZMZ306CE	5070A
QD-ZMZ310XE	614
QDZMZ310XE	5096A
QD-ZMZ408CE	5072A
QD-ZMZ409BE	139A
QD-ZRD6EXA	5013A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
QD-ZRD8ECAA	5017A
QD-ZRD9EXA	139A
QD-ZRD9EXAA	139A
QD-ZRD10EXA	5019A
QD-ZRD56EAA	136A
QD-ZRD56FAA	136A
QD-ZRDSEBAA	5017A
QD-ZUZ9BXXP	139A
QF19GR	312
QF68AM	312
QF1033	312
QF4509	222
QFK45B	222
QFK55D	312
QFK4509	222
QG0076	102A
QG0254	123A
QKT0033XBE	312
QN2613	102
QN-BD1126A	601
QOV60526	102A
QOV60527	103A
QOV60528	102A
QOV60529	123A
QOV60530	123A
QOV60537	103A
QOV60538	102A
QP001200A	130
QP043001	2311
QP-1	179
QP1	179
QP-1A	179
QP1A	179
QP2	179
QP-2	179
QP-3	179
QP-4	179
QP-5	179
QP6	179
QP-6	179
QP-7	179
QP7	179
QP-8	130
QP8	130
QP8-6623N	105
QP-8(Plastic)	182§
QP-10	179
QP-11	130
QP-12	130
QP-13	185
QP-14	184
QP-31	197
QP1003	386◆
QQ-004001AA	4011B
QQ-004066AA	4066B
QQ-004069AA	4069
QQ-004518AA	4518B
QQ-0PLL02AN	1167
QQ-0PLL02AQ	1167
QQ-0PPL02AO	1167
QQC61209	158
QQC61210	102A
QQC61689	159
QQC61689A	159
QQ-DPLL02AN	1167
QQM00555BA	1092
QQ-M00566AA	1052
QQ-M01026AA	1226
QQ-M01186AA	1458§
QQ-M07205AT	1155
QQM07205AT	1155
QQ-M07222BT	1278
QQ-M07295AT	1155
QQM11225AB	1488
QQMA1137AB	788
QQMA1196AB	1484
QQMA1197AB	1214
QQ-MAN377AN	788
QQ-MAN612AN	1249
QQMAN612AN	1249
QQ-MB521AX	1166
QQ-MB7521AX	1166
QQ-MBA511AX	1165
QQ-MBA511AY	1165
QQ-MBA511BX	1165
QQ-MBA521AX	1166
QQ-MC3001AN	1192
QQ-MC3001AT	1192
QQ-MC3001DT	1926§
QQ-MD7205AI	1155
QQ-MM566AA	1052
QQ-OPLL02A0	1167
QQ-OPLL02AN	1167
QQOPLL02AN	1167
QQ-OPLLO2AO	1167
QQ-OPPL02AO	1167
QQ-QPLL03AO	1272
QQV60526	158
QQV60527	103A
QQV60528	102A
QQV60529	128
QQV60537	103A
QQV60538	158
QQV60539	102A
QQV61772	103A
QR2378	102A
QRF-2	128
Q-RF-2	123A
QRF-3	312
QRF3	312
QRG-3	312
QRT105	199
QRT106	234
QS054	123A
QS316	159
QS815	123A
QS1018	299§
QS1061	152
QS1096	186A
QS1226	186A
QS1306	235
QS1307	236
QS1359	229
QS1419	152
QS1449	192§
QS1675	229
QS1730	316
QS1816	236
QS1908	229
QS1973	315
QS2034	282§
QS2076	123AP
QS2091	295
QS2092	235
QSC372	123A
QSC380	123A
QSC381	107
QSC458	289A
QSC460	233
QSC509	297
QSC620	123A
QSC710	123AP
QSC756	282§
QSC784	229
QSC815	123A
QSC829	123A
QSC839	123A
QSC945	199
QSC1018	299§
QSD261	192§
QSD327	123A
QSD471	293
Q-SE1001	123A
QSE1001	123A
QSE3001	108
QSE5020	161
QSI-5022	813
QT0013Z(Sanyo)	2302
QT0036(Sanyo)	2302
QT0036Z	2302
QT0072Z	2330
QT0074Z	2302
QT0085	2302
QT0085Z	2302
QT0095	290A
QT0095(Sanyo)	290A
QT0100	85
QT0100(Sanyo)	85
QT0100R(Sanyo)	85
QT0144Z	2302◆
QT0190Z	2311#
QT0191	373
QT0192	374
QT0226R	382
QT0226S	382
QT0267Q	152#
QT0267R	152#
QT0267S	152#
QT0268Z	2311#
QT-1306X7ZA	235
QT1312XAE	199
QT-1318XDN	297
QT-1846XAN	295
QT-1969XAE	236
QT-A073XAA	294
QT-A0564XHN	234
QTA0638XBN	294
QT-A0683XBN	294
QT-A0719XAN	290A
QT-A0719XBN	290A
QT-A0719XCN	290A
QT-A0719XHN	290A
QT-A0733X0N	294
QT-A0733XAA	290A
QT-A0733XBA	294
QT-A0733XDA	294
QT-A0733XDN	294
QTA495	159
QTA562	159
QTA564	234
QTA673	290A
QTA719	290A
QTA733	294
QTA844	129
QTA1015XAT	290A
QTB471	121
QT-C047XAN	229
QT-C070KAE	123AP
QT-C095AAA	199
QT-C0372XAT	123A
QT-C0372XAY	123A
QT-C0372XDN	123A
QT-C0460CBB	233
QT-C0460XBB	233
QT-C0710XAE	85
QT-C0710XBE	85
QT-C0710XEE	123AP
QT-C0710XXE	123AP
QT-C0716XAE	123A
QT-C0735XBT	289A
QT-C0763XAE	107
QT-C0763XDA	229
QT-C0784XBT	229
QT-C0784XET	229
QT-C0828XAN	199
QT-C0828XDN	199
QT-C0829X0N	123A
QT-C0829XAN	123A
QT-C0829XBN	123A
QT-C0829XDN	199
QT-C0829XEN	123A
QT-C0839XBA	123A
QT-C0839XBE	123A
QT-C0839XCA	123A
QT-C0839XDA	123A
QT-C0900XBA	199
QT-C0900XBD	199
QT-C0900XCA	199
QT-C0900XDA	199
QT-C0900XEA	199
QT-C0900XED	199
QT-C0945AA	199
QT-C0945AAA	85
QTC0945ABA	199
QT-C0945ABA	85
QT-C0945ACA	199
QT-C0945ADA	199
QT-C0945AEA	85
QT-C0945AGA	199
QT-C0945LAA	85
QTC0945LAN	199
QT-C0945XHA	85
QT-C1B06XZA	235
QT-C131BXDN	128
QT-C1047SAN	229
QT-C1047XAN	229
QT-C1047XBN	229
QTC1096XAA	186A
QT-C1226XDN	186A
QT-C1306XZA	235
QT-C1306XZH	235
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R6922	102A
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R7028	109
R7029	109
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R7048	102A
R-7051	109
R-7092	177
R-7093	137A
R-7094	138A
R-7096	5809
R-7097	5019A
R-7103	142A
R-7105	5074A
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R7127	102A
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R7163	123A
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R7271	116
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R7682	116
R7743	109
R7885	160
R7886	160
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R7889	102A
R7890	105
R7891	160
R7892	109
R7893	109
R7894	142A
R7953	123A
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R8023	177
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R8969A	159
R8970	109
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R9001(HEP)	178MP
R9002(HEP)	178MP
R9003(HEP)	178MP
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R9006	123A
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R9071	123A
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R4110120	5983
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R5100215WA	6154
R5100310WC	6154
R5100315WA	6154
R5100410WC	6154
R5100415WA	6154
R5100510WC	6156
R5100515WA	6156
R5100610WC	6156
R5100615WA	6156
R5100710WC	6158
R5100715WA	6158
R5100810WC	6158
R5100815WA	6158
R5100910WC	6158
R5100915WA	6158
R5101010WC	6158

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
R5101015WA	6158
R5110110WC	6155
R5110115WA	6155
R5110210WC	6155
R5110215WA	6155
R5110310WC	6155
R5110315WA	6155
R5110410WC	6155
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R5110610WC	6157
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R5110710WC	6159
R5110715WA	6159
R5110810WC	6159
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R5110910WC	6159
R5110915WA	6159
R5111010WC	6159
R5111015WA	6159
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RCA34099	126A
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RD3.6EL1Z	5006A
RD3.6E-L2	5006A
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RD5.6EN1	5011A
RD5.6E-N1	5011A
RD5.6E-N1TN	5011A
RD5.6E-N2	5011A
RD5.6E-N2TN	5011A
RD5.6E-N3	5011A
RD5.6EN3	5011A
RD5.6EP	5011A
RD5.6ES	5011A
RD5.6ESB1	5011T1
RD5.6ES-B1	5011A
RD5.6ES-B2	5011A
RD5.6ES-B3	5011A
RD5.6ES-T1B2	5011A
RD5.6ES-T1B3	5011A
RD5.6ES-T2B	5011A
RD5.6ES-T2B2	5011A
RD5.6ES-T2B3	5011A
RD5.6F	136A
RD5.6FA	136A
RD5.6FB	136A
RD5.6FB1	136A
RD5.6JB	5011A
RD5.6JB2	5011A
RD5.6JSB2	5011T1◆
RD6	136A
RD6A	136A
RD-6A	136A
RD6AL	5011A
RD6AM	136A
RD6AN	5011A
RD6C	5179AK
RD6CL	5178AK
RD6CM	5178AK
RD6CN	5179AK
RD6D	5179AK
RD6DL	5178AK
RD6DM	5178AK
RD6DN	5179AK
RD-6L	137A
RD-6M	136A
RD6R2B	137A
RD6R2B2	5013A
RD6R2E	5013A
RD6R2EB	5013A
RD6R2EB1	5013A
RD6R2EFA-1	5013A
RD6R2JB2	5013A
RD6R8EB	5014A
RD6.2EB	137A
RD6.2B2	5013A
RD6.2E	5013A
RD6.2E(FA-1)	5013A
RD6.2EB	5013A
RD6.2E-B	5013A
RD6.2EB1	5013A
RD6.2EB1Z	5013A
RD6.2EB2	5013A
RD6.2E-B3	5013A
RD6.2EB-3	5013A
RD6.2EB3	5013A
RD6.2EB-20TA11R	5013A
RD6.2EB23	5013A
RD6.2EB(3)	5023A
RD6.2EB(3)-T4	5013A
RD6.2EBT	5013A
RD6.2EC	5013A
RD6.2EFA-1	5013A
RD6.2E-L2	5013A
RD6.2-EM	5013A
RD6.2E-N1	5013A
RD6.2E-N1TN	5013A
RD6.2EN2	5013A
RD6.2ER	5013A
RD6.2ES	5013T1
RD6.2ES-B1	5013A
RD6.2ESB2	5013T1
RD6.2ES-B3	5013T1
RD6.2EZ7S	5013A
RD6.2F	137A
RD6.2FA	137A
RD6.2FB	137A
RD6.2FB1	137A
RD6.2FB2	137A
RD6.2FB-3	137A
RD6.2JB	5013A
RD6.2JB2	5013A
RD6.2M	5013A
RD6.8A	5071A
RD6.8E	5014A
RD-6.8EB	5071A
RD6.8E-B	5014A
RD6.8EB	5014A
RD6.8EB2	5014A
RD6.8EB3	5014A
RD6.8EB(3)-T4	5014A
RD6.8EC	5014A
RD6.8EM	5014A
RD6.8EN1	5014A
RD6.8ENZ	5014A
RD6.8ES-B1	5013T1
RD6.8ES-B2	5014A
RD6.8ES-B3	5014A
RD6.8ES-T1B1	5013T1
RD6.8ES-T1B2	5014A
RD6.8EV3	5014A
RD6.8EV3-Y	5014A
RD-6.8F	5071A
RD6.8F	5071A
RD6.8FA	5071A
RD6.8FB	5071A
RD7A	5014A
RD-7A	138A
RD7AM	5014A
RD7AN	5014A
RD7C	5182AK
RD7CL	5180AK
RD7CM	5181AK
RD7CN	5182AK
RD7D	5182AK
RD7DL	5180AK
RD7DM	5181AK
RD7DN	5182AK
RD7R5EB	5015A
RD7R5EB2	5015A
RD7R5EB3	5015A
RD7R5FB	138A
RD7.5E	5015A
RD7.5E-B	5015A
RD7.5EB	5015A
RD-7.5EB	5015A
RD7.5EB1	5015A
RD7.5E-B1	5015A
RD7.5EB2	5015A
RD7.5E-B2Z	5015A
RD7.5EB3	5015A
RD7.5E-B3Z	5015A
RD7.5EBMV	5015A
RD7.5EB-Y	5015A
RD7.5E-BZ	5015A
RD7.5EC	5015A
RD7.5ED	5015A
RD7.5EL2	5015A
RD7.5EN3	5015A
RD7.5ES(B3)	5015A
RD7.5ES(B3)-Y	5015A
RD7.5F	138A
RD7.5FA	138A
RD7.5FB	138A
RD7.5FB2	138A
RD7.5JB2	5015A
RD7.5JS	5015A
RD8	5072A
RD8R2EB	5016A
RD8R2EC	5072A
RD8.2	5072A
RD8.2C	5072A
RD-8.2E	5072A
RD8.2E	5016A
RD8.2EA	5072A
RD8.2EB	5016A
RD8.2EB1	5016A
RD8.2E-B1	5016A
RD8.2EB2	5016A
RD8.2E-B2Z	5016A
RD8.2EB2Z	5016A
RD8.2EB3	5016A
RD8.2EC	5017A
RD-8.2EC	5072A
RD8.2ED	5072A
RD8.2EK	5072A
RD8.2ESB3	5016A◆
RD8.2EW	5016A
RD8.2F	5072A
RD8.2FA	5072A
RD8.2FB	5072A
RD8.2FB2	5072A
RD8.2FB3	5072A
RD8.2FC	5072A
RD-8.2HD	5072A
RD8.2JB	5016A
RD8.2V	5016A
RD9	139A
RD-9A	139A
RD9A	139A
RD9A(10)	139A
RD-9A(L)	5074A
RD9AL	5073A
RD9AM	5018A
RD9A-N	139A
RD9AN	5018A
RD9B	5073A
RD9C	5183AK
RD9CL	5183AK
RD9CM	5184AK
RD9CN	5185AK
RD9D	5183AK
RD9DL	5183AK
RD9DM	5184AK
RD9DN	5185AK
RD9E	5018A
RD-9E	140A
RD9.EB	139A
RD-9L	139A
RD9.1	139A
RD-9.1E	139A
RD9.1E	5018A
RD9.1EA	139A
RD-9.1EB	139A
RD9.1EB	5018A
RD9.1E-B	5018A
RD9.1EB1	5018A
RD9.1EB2	5018A
RD9.1EB3	5018A
RD9.1EB3Z	5018A
RD9.1EBD	5018A
RD9.1EBT	5018A
RD9.1EC	139A
RD9.1E-C	139A
RD-9.1EC	139A
RD9.1ED	139A
RD9.1EK	139A
RD9.1EN3	5018A
RD9.1E-N3	5018A
RD9.1ES-B1	5017A◆
RD9.1ES-B2	5017A
RD9.1ES-B3	5018A
RD9.1EW	5018A
RD9.1F	139A
RD9.1FA	139A
RD-9.1FB	139A
RD9.1FB	139A
RD9.1F-B3	139A
RD9.1FC	5018A
RD9.1FK-3	139A
RD-9.1JB	5018A
RD9.1Z	139A
RD9.1Z(1)	139A
RD9.3	139A
RD10	140A
RD10E	5019A
RD10EA	140A
RD-10EB	140A
RD10E-B	5019A
RD10EB	5019A
RD10E-B1	5019A
RD10EB1	5019A
RD10EB-2	140A
RD10EB2	5019A
RD10EB3	5019A
RD10EB23	5019A
RD10EB(2)	5019A
RD-10EC	5019A
RD10EK-7	140A
RD10EL3	5019T1
RD10EN1	5019A
RD10EN1T	5019A
RD10E-N2	5019A
RD10E-N3	5019A
RD10E-N3TN	5019A
RD10ES-B1	5019T1
RD10ES-B2	5019A
RD10ESB3	5019A
RD10ES-T2B2	5019A
RD10E-T1B1	5019A
RD10F	140A
RD10FA	140A
RD10FB	140A
RD10FB1	140A
RD10FB2	140A
RD10FBD	140A
RD10FC	140A
RD10JB2	5019T1
RD10JSB2	5019T1
RD10JSB2T	5019T1
RD10S-B	5019T1
RD10.0E	140A
RD11A	140A
RD11AL	5020A
RD11AM	5020A
RD11AN	5020A
RD11B	140A
RD-11B	140A
RD11C	5186AK
RD11CL	5186AK
RD11CM	5186AK
RD11CN	5187AK
RD11D	5186AK
RD11DL	5186AK
RD11DM	5186AK
RD11DN	5187AK
RD11E	5020A
RD11E(B3)	5020A
RD11EA	5074A
RD-11EB	5020A
RD11EB	5020A
RD11E-B	5020A
RD11EB1	5020A
RD11E-B2	5020A
RD11EB2	5020A
RD11EB2TA21R	5020A
RD11EB2-TR21R	5020A
RD11EB2TS21R	5020A
RD11EB3	5020A
RD11E-B3Z	5020A
RD11E-BS	5020A
RD11EB-Y	5020A
RD11EC	142A
RD11EE	5020A
RD11E-L2	5020A
RD11EM	5074A
RD11E-N2	5020A
RD11F	5074A
RD11FA	5074A
RD11FB	5074A
RD11FB02-TA21-R	5074A
RD11FB2	5074A
RD11FBD2	5074A
RD11GB02	5074A
RD11JB	5074A
RD12	142A
RD-12-0F	142A
RD12B	5021A
RD12-B1	5021A
RD12E	5021A
RD12E(3)	5021A
RD12EA	5021A
RD12EB	5021A
RD-12EB	5021A
R-D12EB	5021A
RD12E-B1	5021A
RD12EB1	5021A
RD12E-B1Z	5021A
RD12EB1Z	5021A
RD12E-B2	5021A
RD12EB3	5021A
RD12E-B3	5021A
RD12EB(1)	5021A
RD12EB(3)	5021A
RD12EB(3)-T4	5021A
RD12EBD	5021A
RD12EBH	5021A
RD12EBM	5021A
RD12EB-T4	5021A
RD12EC	5021A
RD12E-L1	5021A
RD12E-N3	5021A
RD12ES-B2	5021T1
RD12ES-B3	5021T1
RD12ES-T2B2	5021T1
RD12E-T2	5021A
RD12F	142A
RD12FA	142A
RD12FB	142A
RD12FB1	142A
RD12FB2	142A
RD12FB3	142A
RD12FBT	142A
RD12JB2	5021A
RD12JSB2	5021T1
RD13	143A
RD-13A	143A
RD13A	143A
RD-13AK	143A
RD13AK	143A
RD-13AKP	143A
RD-13AK-P	143A
RD13AKP	143A
RD-13AL	5072A
RD13AL	5021A
RD13AM	5022A
RD-13AN	5022A
RD13A-N	143A
RD13AN	143A
RD13AN-P	143A
RD13B	143A
RD13B-Z	143A
RD13C	5128A
RD13CL	5188AK
RD13CM	5189AK
RD13CN	5189AK
RD13D	5128A
RD13DL	5188AK
RD13DM	5189AK
RD13DN	5189AK
RD-13E	5022A
RD13E	5022A
RD13E-2BZ	5022A
RD13EA	5022A
RD13E-B	5022A
RD13EB	5022A
RD13EB1	5022A
RD13EB-2	5022A
RD13EB2	5022A
RD13E-B2	5022A
RD13E-B2TN	5022A
RD13EB2Z	5022A
RD13E-B2Z	5022A
RD-13EB3	5022A
RD13EB3	5022A
RD13EB(1)	5022A
RD13EB(2)	5022A
RD13EC	5022A
RD13ED1	5022A
RD13EL1	5021T1
RD13E-N1	5022A
RD13EN2	5022A
RD13E-N2	5022A
RD13ESB	5022A
RD13ES-B1	5021T1
RD13ES-B2	5022A
RD13ES-T1B2	5022A
RD13F	143A
RD13FA	143A
RD13FB	143A
RD13K	142A
RD-13M	143A
RD15E	145A
RD-15E	145A
RD15E-12	5024A
RD15EA	5024A
RD-15EB	5024A
RD15EB	5024A
RD15EB1	5023A◆
RD15EB2	5024A
RD15EB3	5024A
RD15E-B3	5024A
RD15E-B3Z	5024A
RD15EB23	5024A
RD15EC	5024A
RD15E-N1	5024A
RD15E-N3	5024A
RD15EN3	5024A
RD15F	145A
RD15F1	145A
RD15FA	145A
RD15FB	145A
RD15FB3	145A
RD15FM	145A
RD15FMZ	145A
RD15JB3	5024A
RD15S	145A
RD16A	5025A
RD16AL	5025A
RD16AM	5025A
RD16AN	5026A
RD16A-N	5075A
RD16C	5192AK
RD-16C	5076A
RD16CL	5190AK
RD16CM	5191AK
RD16CN	5193AK
RD16C-Y	5075A
RD16D	5192AK
RD16DL	5190AK
RD16DM	5191AK
RD16DN	5193AK
RD16E	5025A
RD16EB	5025A
RD16EB1	5025A
RD16EB2	5025A
RD16EB3	5025A
RD16EC	5076A
RD16E-M	5075A
RD16E-N	5075A
RD16EN1	5025A
RD16E-N2	5025A
RD16E-N3	5025A
RD16F	5075A
RD16FA	5075A
RD16FB	5075A
RD16FB1	5075A
RD-16H	145A
RD16H	145A
RD-16HA	145A
RD16JB1	5025A
RD16JB2	5025A
RD-16-N	5076A
RD18E	5027A
RD-18E	5078A
RD18F-B	5027A
RD18EB	5027A
RD18E-B1	5027A
RD18E-B3	5027A
RD-18EC	5078A
RD18ES-B2	5026A
RD18F	5077A
RD18FA	5077A
RD18FB	5077A
RD18FB2	5077A
RD18FB3	5077A
RD19A	5028A
RD-19A	5079A
RD19AL	5028A
RD19AM	5028A
RD-19AM	5079A
RD19C	5195AK
RD19CL	5194AK
RD19CM	5196AK
RD19D	5195AK
RD19DL	5194AK
RD19DM	5196AK
RD20E	5079A
RD-20E	5079A
RD20EB	5029A
RD20EB2	5028A
RD20EB3	5029A
RD20ES-B2	5028A
RD20ES-T1B2	5028A
RD20EV2	5029A
RD20EV2-Y	5029A
RD20F	5079A
RD20FA	5079A
RD20FB	5079A
RD20FB2	5079A
RD20JSB2	5029A◆
RD22	5080A
RD22E	5080A
RD22EB	5030A
RD22EB1	5030A
RD22F	5080A
RD22FA	5080A
RD22FB	5080A
RD22FB1	5080A
RD22FB2	5080A
RD22FC	5080A
RD24A	5081A
RD-24A	5081A
RD24AL	5081A
RD24AM	5081A
RD24AN	5081A
RD24C	5198AK
RD24CL	5197AK
RD24CM	5197AK
RD24CN	5199AK
RD24D	5198AK
RD24DL	5197AK
RD24DM	5197AK
RD24DN	5199AK
RD24E	5031A
RD24E-B	5031A
RD24EB	5031A
RD24EB1	5031A
RD24EB2	5030A
RD24EB2VF	5031A
RD24EB3	5031A
RD24EB23	5031A
RD24E-B27	5031A
RD24EBT	5031A
RD24E-BZ7	5031A
RD24E-BZ7TN	5031A
RD24EC	5082A
RD24F	5081A
RD24FA	5081A
RD24FB	5081A
RD24FBS	5081A
RD24FC	5082A
RD27E	5033A
RD27EB	5033A
RD27EB1	5033A
RD27EB2	5033A
RD27EB3	5033A
RD27EB4	5033A
RD27EB4TN	5033A
RD27EBS	5033A
RD27ESB1	5032A
RD27F	146A
RD27FA	146A
RD27FB	146A
RD27FB2	146A
RD27FC	146A
RD27FCD	146A
RD29A	5034A
RD29AL	5033A
RD29AM	5034A
RD29AN	5035A
RD29C	5201AK
RD29CL	5200AK
RD29CM	5201AK
RD29CN	5202AK
RD29D	5201AK
RD29DL	5200AK
RD29DM	5201AK
RD29DN	5203AK
RD30E	5035A
RD30EB	5035A
RD30EB2	5035A
RD30EB3	5035A
RD30EB4	5035A
RD30ES-B2	5034A
RD30ESB4	5035A
RD30F	5084A
RD30FA	5084A
RD30FB	5084A
RD30FB1	5083A
RD30FB2	5084A
RD33E	5036A
RD33EB	5036A
RD33EB1	5036A
RD33E-B2	5036A
RD33EB2T	5036A
RD33E-B2TN	5036A
RD33E-B2Z	5036A
RD33EB3	5036A
RD33EB-4	5036A
RD33EB4	5036A
RD33ES5	5036A
RD33ES-B2	5035A
RD33ESB3	5035A◆
RD33ES-L3	5035A
RD33ES-T1B2	5035A
RD33F	147A
RD33FA	147A
RD33FB	147A
RD33FB2	147A
RD33RB1	147A
RD-35A	147A
RD35AE	5037A
RD35AL	5036A
RD35AM	5037A
RD35C	5204AK
RD35CL	5203AK
RD35CM	5204AK
RD35CN	5205AK
RD35D	5204AK
RD35DL	5203AK
RD35DM	5204AK
RD35DN	5205AK
RD36E	5037A
RD36E-B	5037A
RD36EB	5037A
RD36E-B1	5037A
RD36EB-2	5037A
RD36EB3	5037A
RD36EB3V	5037A
RD36EB-T1	5037A
RD36EB-TA11R	5037A
RD36ES	5037A
RD36ES-B-T1	5037A
RD36ES-T1	5037A
RD36EV3	5037A
RD36EV8	5037A
RD36F	5085A
RD36FA	5085A
RD36FB	5085A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
RD39EB	5038A
RD39EB2	5038A
RD39F	5086A
RD39FA	5086A
RD39FB	5086A
RD43EA	5039A
RD47E	5040A
RD47EA	5040A
RD47EB2	5088A
RD47FBD	5088A
RD47F-TB	5088A
RD51EA	5041A
RD51EB	5041A
RD51EB2	5041A
RD51JB	5041A
RD56EB	5042A
RD56E-B2Z	5042A
RD56E-BZ7S	5042A
RD56FB	5090A
RD62EA	5044A
RD62EB	5044A
RD68EA	5045A
RD68EB	5045A
RD68EB3	5045A
RD75E	5046A
RD75EA	5046A
RD75EB	5046A
RD82EA	5047A
RD82JB	5047A
RD91E	5049A
RD91EA	5049A
RD91EB	5049A
RD100EA	5050A
RD250	116
RD612E-N2	5013A
RD-1003	116
RD1343	177
RD3472	116
RD-3472	116
RD9037	116
RD-26235-1	116
RD26235-1	116
RD29799P	116
RD-29799P	116
RD31903P	116
RD-31903P	116
RE1	100
RE-2	116
RE2	552
RE-3	116
RE3(Diode)	116
RE3(Rect)	116
RE3(Transistor)	102
RE4	102A
RE5	103
RE6	103A
RE7	104
RE7MP	104MP
RE8	105
RE9	107
RE9.1E	139A
RE10	108
RE11	121
RE11MP	121
RE12	123
RE13	123A
RE14	124
RE15	126A
RE16	127
RE17	128
RE18	129
RE19	130
RE20	131
RE20MP	131
RE21	196
RE22	197
RE23	154
RE24	157
RE25	158
RE26	159
RE27	160
RE28	161
RE29	162
RE30	163A
RE31	164
RE32	165
RE33	172A
RE34	175
RE35	176
RE36	179
RE37	181
RE39	183§
RE40	184
RE41	185
RE42	186
RE43	187
RE45	312
RE46	312
RE47	109
RE48	112
RE49	116
RE50	5809
RE51	125
RE52	177
RE53	106
RE54	156
RE57	323
RE58	323
RE59	324
RE60	287
RE61	281
RE62	234
RE63	290A
RE64	199
RE66	194
RE67	199
RE68	218
RE69	160
RE70	128
RE73	171
RE74	180
RE75	188
RE76	189
RE77	191
RE78	194
RE79	195A
RE79A	195A
RE80	210
RE81	211
RE82	219
RE83	226
RE83MP	226
RE85	326
RE86	110MP
RE87	113A
RE88	114
RE89	115
RE90	125
RE91	120
RE92	156
RE93P	173BP§
RE94	519
RE97	5063A
RE99	5065A
RE100	5066A
RE101	134A
RE102	5067A
RE103	5068A
RE104	5069A
RE105	135A
RE107	136A
RE108	5070A
RE109	137A
RE110	5071A
RE111	138A
RE112	5072A
RE113	5073A
RE114	139A
RE115	140A
RE116	5074A
RE117	5074A
RE118	142A
RE119	143A
RE120	144A
RE121	145A
RE122	5075A
RE123	5076A
RE124	5077A
RE125	5078A
RE126	5079A
RE127	5080A
RE128	5081A
RE129	5082A
RE130	147A
RE131	5086A
RE132	149A
RE133	5096A
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RH-IX0001TAZZ	748A
RH-IX0004CE	749
RH-IX0004CEZZ	749
RH-IX0005PAZZ	7475§
RH-IX0017TAZZ	712
RH-IX0018TAZZ	1236
RH-IX0020CE	1004
RH-IX0020CEZZ	1004
RH-IX0021CEZZ	1080§
RH-IX0022CEZZ	1051
RH-IX0023CEZZ(IF)	1074
RH-IX0023CEZZ(Vert)	1079
RH-IX0024CEZZ	1105§
RH-IX0025CEZZ	1050
RH-IX0028PAZZ	1492
RH-IX0032CEZZ	1089*
RH-IX0035TAZZ	1245
RH-IX0037CEZZ	615A
RH-IX0038PAZZ	7406
RH-IX0039PAZZ	74107
RH-IX0040PAZZ	74121
RH-IX0041PAZZ	74123
RH-IX0042PAZZ	74132
RH-IX0043CEZZ	712
RH-IX0043CEZZ	712
RH-IX0047CE	1189
RH-IX0047CEZZ	1189
RH-IX0048CEZZ	OBS-NLA
RH-IX0054CEZZ	1140
RH-IX0065CEZZ	1550
RH-IX0065CEZZ	1550
RH-IX0069CEZZ	4001B
RH-IX0072CEZZ	4011B
RH-IX0077CEZZ	4049
RH-IX0078CEZZ	4050B
RH-IX0080CEZZ	4071B
RH-IX0084CEZZ	4081B
RH-IX0092CEZZ	1413
RH-IX0093CEZZ	1532
RH-IX0094CEZZ	1496
RH-IX0094CEZZ	1496
RH-IX0101TAZZ	1789
RH-IX0111CEZZ	977
RH-IX0116CEZZ	7407
RH-IX0137CEZZ	1751
RH-IX0159AFZZ	1239
RH-IX0168PAZZ	1758
RH-IX0199CEZZ	1759
RH-IX0203GEZZ	1658
RH-IX0212CEZZ	1671
RH-IX0213CEZZ	1616
RH-IX0214CEZZ	1576
RH-IX0223CEZZ	1572§
RH-IX0224CEZZ	1570
RH-IX0225CEZZ	1377
RH-IX0231CEZZ	1616
RH-IX0238CEZZ	1676
RH-IX0243CEZZ	1539
RH-IX0252CEZZ	1413
RH-IX0260CEZZ	1658
RH-IX0275CEZZ	1572§
RH-IX0276CEZZ	1570
RH-IX0325CEZZ	1870◆
RH-IX0408AGZZ	1087
RH-IX0416CEZZ	1792
RH-IX0429AGZZ	801
RH-IX0431AGZZ	2001
RH-IX0437AGZZ	1462§
RH-IX0450CEZZ	1835
RH-IX0487CEZZ	1794
RH-IX0488CEZZ	1217
RH-IX0488CEZZ	1217
RH-IX0499CEZZ	1795
RH-IX0600CEZZ	1790
RH-IX0633CEZZ	7014
RH-IX0638CEZZ	960
RH-iX0717CEZZ	1847
RH-iX0934CEZZ	1798
RH-IX0943CEZZ	1798
RH-IX0948CEZZ	1782
RH-IX103AFZZ	1237§
RH-IX1007A	1217
RH-IX1012AFZZ	1082
RH-IX1013AFZZ	1052
RH-IX1014AFZZ	1226
RH-IX1020AFZZ	1115A
RH-IX1030AFZZ	1237§
RH-IX1032A	1237§
RH-IX1032AFZZ	1237§
RH-IX1039AFZZ	1197
RH-IX1049AFZZ	1153§
RH-IX1053AFZZ	1484
RH-IX1061AFZZ	1207§
RH-IX1070AFZZ	1155
RH-IX1073AFZZ	1254
RH-IX1075AFZZ	9402
RH-IX1077CEZZ	7058
RH-IX1078CEZZ	7065
RH-IX1082AFZZ	1248◆
RH-IX1086AFZZ	1563
RH-IX1089A	1327
RH-IX1112CEZZ	1874◆
RH-IX1116AFZZ	1659
RH-IX1121AFZZ	1448
RH-IX1146AFZZ	4011B
RH-IX1190CEZZ	7010
RH-IX1219AFZZ	40175B
RH-iX1311CEZZ	7065◆
RH-IX1705CEZZ	7054
RH-IX1712CEZZ	7010
RH-IXTT02A	788
RH-IXTT04AFZZ	1464
RHPX0042GEZZ	3104
RHPX0099GEZZ	3099
RH-TX1008AFZZ	123A
RH-TZTT03A	382
RH-TZTT04A	383
RH-TZTT05A	451
RH-TZTT07A	107
RH-TZTT08A	293
RH-VX0004TAZZ	601
RH-VX0009TAZZ	601
RH-VX0014TAZZ	601
RI4782	288
RI4010658	519
RJN1102	722
RJB005	576
RJB010	576
RJB020	576
RJB040	576
RJB060	577
RJB080	577
RJB100	577
RJF60313	113A
RJH6674	2311
RJH6675	2311
RJH6676	2311
RJH6677	2311
RJH6678	2311
RK13	586
RK14	586
RK16	579
RK19	579
RK33	586
RK34	586
RK36	579
RK39	579
RK43	586
RK44	586
RK46	579
RK46LF-L1	579
RK49	579
RKZ12003	519
RKZ120101	519
RL005	125
RL010	125
RL020	125
RL040	125
RL060	125
RL1N4002	116
RL2Z	588
RL-2Z	588
RL4Z	588
RL20	3019
RL-20	3019
RL31	109
RL32	109
RL32G	109
RL34	109
RL34G	109
RL41	109
RL41G	109
RL42	109
RL50-02	3000
RL-50-02	3000
RL52	109
RL55-5	3001
RL-55-5	3001
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RL101FG	587
RL101G	116
RL102	116
RL102F	587
RL102FG	587
RL102G	116
RL103	116
RL103F	587
RL103FG	587
RL103G	116
RL104	116
RL104F	552◆
RL104FG	552◆
RL104G	116
RL105	116
RL105F	552
RL105FG	552
RL105G	116
RL106	125
RL106F	558
RL106FG	558
RL106G	156
RL107	125
RL107F	558
RL107FG	558
RL107G	156
RL-151	5800
RL151	5800
RL-152	5801
RL152	5801
RL153	5802
RL-153	5802
RL154	5804
RL-154	5804
RL-155	5806
RL155	5806
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RL156	5808
RL-157	5809
RL157	5809
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RL201G	156
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RL204	156
RL204G	156
RL205	156
RL205G	156
RL206	156
RL206G	156
RL207	156
RL207G	156
RL-209	3007
RL-209-02	3007
RL-209-03	3007
RL-209-04	3007
RL209-1	3007
RL-209-1	3007
RL232G	109
RL246	109
RL-251	5800
RL251	5800
RL252	5801
RL-252(Rect)	5801
RL253	5802
RL-253	5802
RL-254	5804
RL254	5804
RL-255	5806
RL255	5806
RL-256	5808
RL256	5808
RL257	5809
RL-257	5809
RL709T	909
RL711T	911
RL850	569
RL851	569
RL852	569
RL854	569
RL856	569
RL1601A	6244
RL1601C	6240
RL1602A	6244
RL1602C	6240
RL1603A	6244
RL1603C	6240
RL1604C	6241
RL1605C	6241
RL5054-2	3025
RLB-17	199
RLF1G	116
RLH111	7410
RLM348DB	948
RLM348DC	948
RM-1	116
RM1	552
RM1A	116
RM-1AV	116
RM-1B	125
RM-1C	125
RM-1D	558
RM-1E	558
RM-1F	558
RM1S	552
RM-1V	116
RM-1Z	552
RM1Z	552
RM1ZLF	116
RM1Z-LR	116
RM-1ZM	552
RM1ZM	116
RM1ZMV	552
RM-1ZV	552
RM1ZV	552
RM2	125
RM2A	125
RM-2A	125
RM-2AV	125
RM2AV	125
RM-2AVTA	125
RM2B	125
RM-2C	125
RM2C	125
RM2C-LFA1	125
RM-2CS	125
RM2CS	125
RM2CV	125
RM2-C-Z	125
RM-2SC	125
RM2Z	125
RM3	125
RM4	5806
RM4A	5806
RM4AM	125
RM4B	5808
RM4C	5809
RM4Y	5802
RM4Z	5802
RM10	125
RM10A	125
RM10B	125
RM10M	125
RM10MV	125
RM10Z	125
RM11	125
RM11A	125
RM11B	125
RM11BV	125
RM11C	125
RM15	552
RM25	148A
RM-25	148A
RM25V	148A
RM-26	5092A
RM26	5092A
RM30DZH	6220
RM30DZM	6220
RM60DZ-24	6220
RM60DZH	6220
RM60DZM	6220
RM-103	125
RM257	5090A
RM-4136	997
RM9308R	8308◆
RMI	552
RMP	116
RMPG06A	587
RMPG06B	587
RMPG06D	587
RMPG06G	552
RMPG06J	552
RMPTC0059CEZZ	177
RMVTC00921-3	114
RN515	5940
RN1002	2355
RN1003	2357
RN1004	2359
RN1015	5944
RN1120	5986
RN1201	2367
RN1202	2355
RN1203	2357
RN1204	2359
RN1206	2369
RN1302	2414
RN1303	2416
RN1304	2418
RN1402	2414
RN1403	2416
RN1404	2418
RN2002	2356
RN2003	2358
RN2004	2360
RN2015	5944
RN2201	2368
RN2202	2356
RN2202TPE4	2356
RN2203	2358
RN2204	2360
RN2206	2370
RN2302	2415
RN2303	2417
RN2304	2419
RN2402	2415
RN2403	2417
RN2404	2419
RN3015	5948
RN4015	5948
RN4918	185
RN4919	185
RN4920	185◆
RN4921	184
RN4922	184
RN4923	184◆
RN5015	5952
RN6015	5952
RN-EDF-LN312GP	3173
RN-EDG-1S446	109
RN-EDP-GL-31AR	3007
RN-EDP-LN312GP	3173
RN-EDS-1S1555	177
RN-EDS-1S1885	116
RN-EDT-RD4R7EB3	5009A
RN-EIC-HA1199	1290
RN-EIC-HA1366W	1260§
RN-EIC-HA1366WR	1261§
RN-EIC-M51173P	1488
RN-EIC-M51517L	1364§
RN-EIC-M51521L	1659
RN-EIC-SN76115N	801
RN-EIC-UPC1185H	1293§
RN-EVF-2SK19TM-Y	459
RN-EVF-3SK60	454§
RN-EVS-2SA733A	290A
RN-EVS-2SA850-D	290A
RN-EVS-2SA1015-YG-R	290A
RN-EVS-2SB631	374
RN-EVS-2SC710-C	85
RN-EVS-2SC828-QR	85
RN-EVS-2SC1317-QR	289A
RN-EVS-2SC1684QR	289A
RN-EVS-2SC2076-BC	85
RN-EVS-2SC2594	184◆
RN-EVS-2SC2634-RS	199
RN-EVS-2SD638-Q(BCE)	85
RN-EVS-2SD638-R(BCE)	85
RN-EVS-2SD1061-E	377
RO-2A	125
RO2AU	125
RP-1D	116
RP1H	525
RP-9A	139A
RP16AT	6240
RP16BT	6240
RP16DT	6240
RP16GT	6240
RP30AM	6206
RP30BM	6206
RP30DM	6206
RP30GM	6208
RP30JM	6210
RP104	552
RP300A	580
RP300B	580
RP300D	580
RP300G	580
RP300J	580
RP1020	5982
RP1020M	5982
RP1020MR	5983
RP1020R	5983
RP1040	5982
RP1040M	5982
RP1040MR	5983
RP1040R	5983
RP1040T	5982
RP1040TM	5982
RP1040TMR	5983
RP1040TR	5983
RP1120	6002
RP1120M	6002
RP1120MR	6003
RP1120R	6003
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RP1140M	6002
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RP1140T	6002
RP1140TM	6002
RP1140TMR	6003
RP1140TR	6003
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RP2020MR	5987
RP2020R	5987
RP2040	5986
RP2040M	5986
RP2040MR	5987
RP2040R	5987
RP2040T	5986
RP2040TM	5986
RP2040TMR	5987
RP2040TR	5987
RP4020	5980
RP4020M	5990
RP4020MR	5991
RP4020R	5991
RP4040	5990
RP4040M	5990
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RP4040R	5991
RP4040T	5990
RP4040TM	5990
RP4040TMR	5991
RP4040TR	5991
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RP6020MR	5995
RP6020R	5995
RP6040	5994
RP6040M	5994
RP6040MR	5995
RP6040R	5995
RP6040T	5994
RP6040TM	5994
RP6040TMR	5995
RP6040TR	5995
RP8020	5998
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RP8020MR	5999
RP8020R	5999
RP8040	5998
RP8040M	5998
RP8040MR	5999
RP8040R	5999
RP8040T	5998
RP8040TM	5998
RP8040TMR	5999
RP8040TR	5999
RPB2103A	5408
RPB2103C	5409
RPB2103E	5410
RPB2106A	5408
RPB2106C	5409
RPB2106E	5410
RPG-10D	506
RPI374	3100
RPI572	3102
RPM19PRC	3034A
RPR42F	3104
RPR540	6006
RPR540M	6006
RPR540MR	6007
RPR540R	6007
RPR1040	6006
RPR1040M	6006
RPR1040MR	6007
RPR1040R	6007
RPR2040	6006
RPR2040M	6006
RPR2040MR	6007
RPR2040R	6007
RPR3040	6008
RPR3040M	6008
RPR3040MR	6009
RPR3040R	6009
RPR4040	6008
RPR4040M	6008
RPR4040MR	6009
RPR4040R	6009
RQ-409S	116(2)
RQ-444S	229
RQA01-25	5032A
RR7504	123A
RR8068	123A
RR8070	108
RR8116	108
RR8118	108
RR8119	108
RR8914	123A
RR8989	108
RR12766	717
RRB24-06	116
RS007	941M
RS-05	5800
RS038	778A
RS-1	552
RS1A	552
RS1C	558
RS1Z	552
RS3FS	506
RS4F	525
RS4FS	506
RS5.6C	136A
RS8AT	581
RS8BT	581
RS8DT	581
RS8GT	581
RS8JT	598
RS10	116
RS-35	147A
RS-35/AWO1-33	147A
RS101	166
RS-101	160
RS101G	166
RS102	166
RS-102	158
RS102G	166
RS103	167
RS-103	160
RS103G	167
RS-104	101
RS104	168
RS104G	168
RS105	169
RS-105	104
RS105G	169
RS106	170
RS-106	105
RS106G	170
RS-107	123A
RS107G	170
RS-108	123A
RS-109	108
RS-110	159
RS128	123A
RS132	128
RS136	123A
RS201	166
RS202	166
RS203	167
RS204	168
RS205	169
RS206	170
RS207	170
RS220AF	116
RS230AF	116
RS276-008	703
RS276-009	923
RS276-038	941
RS276-1722	955M
RS276-1801	7400
RS276-1802	7404
RS276-1803	7473
RS276-1804	7441
RS276-1805	7447
RS276-1806	7445
RS276-1807	7410
RS276-1808	7490
RS276-1809	7420
RS276-1811	7402
RS276-1812	7440
RS276-1813	7476§
RS276-1814	74121
RS276-1830	309K
RS-279US	199
RS401	5309
RS401L	5318
RS402	5309
RS402L	5318
RS403	5309
RS403L	5318
RS404	5310
RS404L	5319
RS405	5310
RS405L	5319
RS-406	102A
RS406	102A
RS406(Bridge)	5311
RS406L	5320
RS407	5311
RS407L	5320
RS407LM(Bridge)	5320
RS561	137A
RS562	139A
RS563	142A
RS564	145A
RS593	160
RS601	5329
RS602	5329
RS603	5329
RS604	5330
RS605	5330
RS605M(Bridge)	5330
RS606	5331
RS607	5331
RS-684	126A
RS684	160
RS685	160
RS-685	126A
RS686	160
RS-686	102A
RS-687	102A
RS687	160
RS702	990
RS703	1232
RS-805US	199
RS-862S	1074
RS1000	5635
RS1001	5633
RS1020	5465
RS1049	123A
RS1059	123A
RS1067	5463
RS1101	116
RS1102	116
RS1103	116
RS1104	116
RS1122	177
RS1123	109
RS1141	156
RS1142	156
RS1143	156
RS1144	156
RS1171	5312
RS1172	5313
RS1173	5314
RS1177A	525
RS1180	5312
RS-1192	102A
RS1192	102A
RS1234	5809
RS-1264	116
RS1264	116
R-S1264	116
RS1290	139A
RS1296	116(4)
RS1296(SEARS)	506
R-S1347	116
RS-1347	116
RS1348	142A
RS1428	177
RS1513	101
RS-1524	103A
RS1524	103A
RS1530	101
RS1531	101
RS1532	101
RS1533	103A
RS1534	101
RS-1536	101
RS1536	101
RS1537	101
RS-1537	101
RS1538	101
RS-1538	101
RS-1539	100
RS1539	160
RS1540	102A
RS-1540	102A
RS1541	102A
RS-1541	102A
RS-1542	102A
RS1542	102A
RS1543	102A
RS-1543	102A
RS-1544	102A
RS1544	102A
RS-1545	101
RS1545	102A
RS1546	102A
RS-1546	102A
RS1547	101
RS-1547	101
RS-1548	102A
RS1548	102A
RS1549	103A
RS1550	160
RS-1550	100
RS1553	101
RS-1553	101
RS1554	160
RS-1554	126A
RS-1555	102A
RS1555	102A
RS1711	987
RS1712	834
RS1713	992
RS1720	116
R-S-1720	116
RS1721	832
RS1723	955M
RS1726	108
RS1728	978
RS1731	823
RS1740	923D
RS1749	116
RS1770	960
RS1771	966
RS1772	968
RS1801	7400
RS1802	7407
RS1803	7473
RS1804	7441
RS1805	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
R-S1805	5804
RS1805(I.C.)	7447
RS1806	7475
RS1808	7490
RS1811	109
RS1811(IC)	7402
RS1813	7476§
RS1816	7448
RS1818	7474
RS1819	7492
RS1820	74193
RS1822	7408
RS1823	5809
RS1831	74192
RS1832	116
RS1834	74154
RS1835	74LS367
RS1900	74LS00
RS1902	74LS02
RS1904	74LS04
RS1908	74LS08
RS1910	74LS10
RS1912	74LS20
RS1913	74LS27
RS1914	74LS30
RS1915	74LS32
RS1916	74LS47
RS1917	74LS51
RS1918	74LS73
RS1919	74LS74A
RS1920	74LS75
RS1922	74LS85
RS1925	74LS93
RS1926	74LS123
RS1929	74LS151
RS1930	74LS157
RS1931	74LS161A
RS1932	74LS164
RS1934	74LS175
RS1936	74LS193
RS-2001	101
RS2002	103A
RS-2002	160
RS-2003	126A
RS2003	102A
RS2004	102A
RS-2004	102
RS-2005	102
RS2005	102A
RS2006	121
RS-2006	104
RS2007	102
RS-2007	158
RS-2008	154
RS2008	376
RS2009	123AP
RS-2009	123A
RS2010	123AP
RS-2011	161
RS2011	108
RS-2012	287
RS2013	123AP
RS-2013	123A
RS2014	123AP
RS-2014	128
RS2015	123AP
RS-2015	108
RS2016	123AP
RS-2016	123A
RS2017	152
RS-2017	184
RS2018	152
RS-2018	210
RS-2019	182§
RS2019	331
RS-2020	184
RS2020	331
RS2021	159
RS-2021	159
RS2022	159
RS-2022	159
RS2023	159
RS-2023	159
RS-2024	159
RS2024	159
RS-2025	185
RS2025	153
RS2026	153
RS-2026	211
RS-2027	183§
RS2027	332
RS-2028	312
RS2028	312
RS2029	6401
RS-2029	6409§
RS2030	128
RS2031	123AP
RS2032	159
RS2033	123AP
RS2035	312
RS2036	220
RS2037	326
RS2038	311
RS2039	130
RS2040	219
RS2041	130
RS2042	249
RS-2042	249
RS2043	219
RS-2350	102A
RS2350	102A
RS2351	102A
RS-2351	102A
RS-2352	102A
RS2352	102A
RS-2353	102A
RS2353	102A
RS-2354	102A
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RS2356	101
RS-2359	101
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RS2360	101
RS-2360	101
RS2364	101
RS-2364	101
RS-2365	101
RS2365	101
RS-2366	101
RS2366	101
RS2367	102A
RS-2367	102A
RS2373	102A
RS-2373	101
RS-2374	101
RS2374	102A
RS-2375	101
RS2375	101
RS2401	4001B
RS2411	4011B
RS2412	4012B
RS2413	4013B
RS2417	4017B
RS2420	4020B
RS2421	4021B
RS2423	4023B
RS2427	4027B
RS2428	4028B
RS2447	4511B
RS2449	4049
RS2450	4050B
RS2451	4051B
RS2466	4066B
RS2470	4030B
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RTD0103	5408◆
RTD0106	5408◆
RTD0110	5408◆
RTD0115	5408◆
RTD0120	5408◆
RTD0125	5409◆
RTD0130	5409◆
RTD0135	5409◆
RTD0140	5409◆
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RTD2103	5408
RTD2106	5408
RTD2110	5408
RTD2115	5408
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RTIN141C	2414
RTIN141S	2355
RTIN241C	2416
RTIN241S	2357
RTIN441C	2418
RTIN441S	2359
RTIP141C	2415
RTIP141S	2356
RTIP241C	2417
RTIP241S	2358
RTIP441C	2419
RTIP441S	2360
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RTL0805	5461
RTL0810	5462
RTL0820	5463
RTL0840	5465
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RTN0120	5472§
RTN0130	5474§
RTN0140	5485§
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RTN0160	5476
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RTN0340	5485§
RTN0350	5487§
RTN0360	5487§
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RTN1102	722
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RTR0360	5513
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RTS0205	5514
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RTU0660	5529◆
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RU-2V	552
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RU2Z	552
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RU3AM	580
RU3AM-LFB1	580
RU3AN	580
RU-3B	558
RU3M	580
RU3N	580
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RU3YX-M	588◆
RU3YX-MLF-C2	588◆
RU3YX-MLF-C4	588◆
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RU4A-J1	580
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RU4AMLF-J3	580
RU4AMLF-K2	580
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RU4B	577
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RU4MLF-K2	580
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RU4YXLF-J3	588
RU4YXLF-K2	588
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RUR-820	597
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RUR850	598
RUR860	598
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RUR1620CT	6240
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RUS505	588
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RUS520	588
RUS540	576
RUS560	577
RUS580	577
RUS1100	576
RUS2100	577
RUS3100	577
RUS4100	577
RUS5100	577
RV06	116
RV06/7825B	116
RV1S1998	5842
RV1SM5104	1255§
RV1UPC576	1185
RV6.2	137A
RV555NB	955M
RV1017	177
RV1059	159
RV1068	229
RV1180	102A
RV1181	136A
RV1189	116
RV1226	177
RV1395	123A
RV1424	116
RV1424/EA1424	116
RV1467	108
RV1468	108
RV1469	108
RV1470	108
RV1471	123A
RV1472	129
RV1473	128
RV1474	123A
RV1475	102A
RV1476	5804
RV1478	116
RV1479	109
RV2068	293
RV2069	129
RV2070	199
RV2071	177
RV2072	116
RV2134	123A
RV2213	139A
RV2220	116
RV2248	199
RV2249	123A
RV2250	116
RV2260	159
RV2264	85
RV2289	116
RV-2289	116
RV2327	116
RV2335	290A
RV2351	159
RV2353	234
RV2354	199
RV2355	290A
RV2356	187
RV4136DB	997◆
RV4136DC	997◆
RV4156DC	948◆
RVD08C22/1A	116
RVD1K110	109
RVD1N34A	109
RVD1N60	109
RVD1N60P	109
RVD1N4003	116
RVD1N4003LF	116
RVD1N4148	519
RVD1N4733A	135A
RVD1N4738	5072A
RVD1N4739	139A
RVD1N4740	140A
RVD1S50S	614
RVD1SS54	116
RVD1SS54TP	177
RVD2-1K110	109
RVD2DP	116
RVD2DP22/1C	166
RVD2DP221B	166
RVD2DP221P	116
RVD2P22/1B	116
RVD4B265J2	116
RVD8MB4	166
RVD8MBA	116(4)
RVD10D1	116
RVD10D1LF	116
RVD10DC1	116
RVD10DC1R	116
RVD10DC4	116
RVD10E1	116
RVD10E1LF	116
RVD12B-1	166
RVD101LF	177
RVD1150M	601
RVD14733	135A
RVDC08P1	116(2)
RVDC08P1R	113A
RVDCD0033	5070A
RVDD124B	166
RVDD1245	166
RVDDS-410	116
RVDEQA0106S	5013A
RVDEQA0107S	138A
RVDFV211	601
RVDFV-212	605A
RVDFV214	605A
RVDGP05A	116
RVDGP08	116
RVDGP08B	116
RVDHZ3C1	5005A
RVDHZ12C2	5022A
RVDKB162A	601
RVDKB162C5	116
RVDKB167	600
RVDKB262	605A
RVDKB262C	605A
RVDKB265E	605A
RVDKB265J2	177
RVDMZ204	5007A
RVDMZ-206	5070A
RVDMZ208	138A
RVDMZ209	139A
RVDMZ308-1C	5016A
RVDR5R6EB	5070A
RVDR154B	166
RVDRD5A1E	5010A
RVDRD5R1EB	5010A
RVDRD5R1EBB1	5010A
RVDRD5R1JBN	5010A
RVDRD5R6EB	5011A
RVDRD6R2EB	5013A
RVDRD7AN	5071A
RVDRD7R5 E	138A
RVDRD7R5E	158
RVDRD7R5EB	138A
RVDRD7R5FB	138A
RVDRD8R2EC	5072A
RVDRD9R1E	139A
RVDRD9R1FB	139A
RVDRD11AN	139A
RVDRD11EB,1	5020A
RVDRD12FB	142A
RVDRD13EB	5022A
RVDRD33EB2	5036A
RVDS5277B	116
RVDSD-1	116
RVDSD-1U	116
RVDSD-1Y	116
RVDSD-1Z	156
RVDSD113	614
RVDSD113TA	614
RVDSG-5N	156
RVDSG-5P	156
RVDSMIA02TPA	125
RVDSR3AM2N	116
RVDSVC221	616
RVDUZ6R2BKTA	5013A
RVDV1150L	601
RVDVD1150M	601
RVDVD1210L	605A
RVDVD1210M	605A
RVDVD1211L	605A
RVDVD1212L	605A
RVDVD1213	605A
RVDVD1250M	177
RVDVD1251L	601
RVDVD1252L	605A
RVDVD1253	OBS-NLA
RVDVD1271ME	519
RVDVD1272LE	519
RVDVD1272ME	519
RVDWZ094	139A
RVEQA0106S	5012A
RVIBA328MR	1859
RVIBA532S	1375
RVIHD38980A	2061§
RVILA3301	1006
RVILA3350S	1217
RVILA4126	1382
RVILA4505	1675
RVILA4505R	1675
RVILB1416	1512
RVIM74LS00P	74LS00
RVIM74LS09P	74LS09
RVIM51517L	1364§
RVIM53242P	7442
RVIMC4080	1083
RVIMSM4017RS	4017B
RVIMSM4019RS	4019B
RVIMSM4069RS	4069
RVISTK0029NZ	1320
RVITA7668AP	1651
RVITC4016BP	4016B
RVITC4066BP	4066B
RVITMS1943	2060
RVITMS1943N2	2060
RVITMS1943NL	2060
RVIUP78L05	977
RVIUPC20C2	1075A
RVIUPC22C	1078§
RVIUPC78L05A	977
RVIUPC78M08H	964
RVIUPC566H3	1052
RVIUPC575	1140
RVIUPC1018CE	1563
RVIUPC1032H	1170
RVIUPD861	1254
RVIUPD861C	1254
RVRD12FB	145A
RVS2SC645	108
RVSD113	614
RVTCS1381	123A
RVTCS1382	159
RVTCS1383	123A
RVTCS1384	108
RVTCS1473	199
RVTMK10-2	312
RVTMK10-E	312
RVTS22410	123A
RVTS22411	159
RWA005	576
RWA010	576
RWA020	576
RWA040	576
RWA060	577
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RWA100	577
RWB005	576
RWB010	576
RWB020	576
RWB040	576
RWB060	577
RWB080	577
RWB100	577
RX090	139A
RYDYD1150L	177
RYN12104	128
RYN121105	123A
RYN121105-3	123A
RYN121105-4	123A
RZ-3	156
RZ3.3	5066A
RZ3.6	134A
RZ3.9	5067A
RZ4.3	5068A
RZ4.7	5069A
RZ5.1	5010A
RZ5.6	136A
RZ6.2	137A
RZ6.8	5071A
RZ7.5	138A
RZ8.2	5072A
RZ9.1	139A
RZ10	140A
RZ12	142A
RZ13	143A
RZ14	5023A
RZ15	145A
RZ15A	145A
RZ-15AB	145A
RZ16	5025A
RZ18	5077A
RZ20	5029A
RZ22	5080A
RZ22A	5030A
RZ25	5032A
RZ27	146A
RZ27A	146A
RZ27AC	146A
RZ30	5035A
RZ33A	5036A
RZ39A	5038A
RZ47A	5040A
RZ50	5041A
RZ56A	5042A
RZ68A	5045A
RZ82A	5047A
RZZ3.3	5066A
RZZ3.6	134A
RZZ3.9	5067A
RZZ4.3	5068A
RZZ4.7	5069A
RZZ5.1	5010A
RZZ5.6	136A
RZZ6.2	137A
RZZ6.8	5071A
RZZ7.5	138A
RZZ8.2	5072A
RZZ9.1	139A
RZZ10	140A
RZZ11	5074A
RZZ12	142A
RZZ13	143A
RZZ15	5023A
RZZ18	5027A
RZZ22	5030A
RZZ27	5033A
RZZ27-12	146A
RZZ156	145A
S	139A
S0001(HEP)	194
S0002	233
S0003(HEP)	192§
S0004(HEP)	123A
S0005	287
S0005(HEP)	194
S0006(HEP)	234
S0008(HEP)	229
S004(HEP)	195A
S005(Bridge)	5312
S006AADF	5818

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
S0010(HEP)	229
S0011(HEP)	123A
S0012(HEP)	129
S0013(HEP)	159
S0014(HEP)	123A
S0015	123A
S0016	108
S0020	108
S0021	108
S0022	123A
S0023	199
S0024	233
S0025	123A
S0026	159
S0027(HEP)	287
S0028(HEP)	288
S0029	288
S0030(HEP)	123A
S0031(HEP)	159
S0032(HEP)	159
S0033(HEP)	229
S0034(HEP)	123A
S00601DF	5818
S00602DF	5818
S00603DF	5820
S00604DF	5820
S00605DF	5822
S00606DF	5822
S001465	199
S001466	123A
S001683	128
S006793	199
S006927	199
S007220	128
S007764	199
S01	160
S01(Bridge)	5312
S01B01-02	116
S02	160
S02(Bridge)	5313
S03	160
S04	177
S04-1	177
S04(Bridge)	5314
S04A-1	177
S04B-1	177
S05	116
S-05	116
S-05-005	116
S-05-01	116
S-05/01	125
S05K11	1V010
S05K14	1V014
S05K17	1V017
S05K20	1V020
S05K25	1V025
S05K30	1V030
S05K35	1V035
S05K40	1V040
S05K50	1V050
S05K60	1V060
S05K75	1V075
S05K95	1V095
S05K130	1V130
S05K150	1V150
S05K175	1V175
S05K250	1V250
S05K275	1V275
S05K300	1V300
S06(Bridge)	5315
S07K11	1V010
S07K14	1V014
S07K17	1V017
S07K20	1V020
S07K25	1V025
S07K30	1V030
S07K35	1V035
S07K40	1V040
S07K50	1V050
S07K60	1V060
S07K75	1V075
S07K95	1V095
S07K130	1V130
S07K150	1V150
S07K175	1V175
S07K250	1V250
S07K275	1V275
S07K300	1V300
S08(Bridge)	5316
S010G	125
S011-0	5074A
S012AADF	5818
S025	102A
S025AADF	6006
S028	101
S031A	123A
S035AADF	6006
S037	123A
S-050	116
S065	158
S065A	102A
S074-005-0001	519
S074-007-0001	177
S082A	112
S088	102A
S0301JS2	5452
S0301JS3	5452
S0301L	5417
S0301LS1	5426◆
S0301LS2	5426
S0301LS3	5426
S0301RS3	5411
S0303L	5417
S0303LS1	5426◆
S0303LS2	5426
S0303LS3	5426
S0303M	5408
S0303RS2	5452
S0303RS3	5411
S0304F1	5452
S0304F2	5452
S0304F3	5452
S0304F4	5452
S0304L	5417
S0306G	5514
S0306H	5491
S0306L	5417
S0306LS2	5426
S0306R	5461
S0308G	5514
S0308H	5491
S0308L	5417
S0308LS2	5426
S0308LS3	5426
S0308R	5461
S0310G	5514
S0310H	5491
S0310L	5440
S0310LS2	5426
S0310LS3	5426
S0310R	5550
S0312R	5550◆
S0315G	5514
S0315H	5501
S0315L	5460
S0315R	5550
S0316R	5550
S0320G	5514
S0320H	5521
S0320L	5460
S0320R	5550
S0325C	5534A
S0325D	5562
S0325G	5517
S0325H	5521
S0325L	5460
S0325R	5550
S0335C	5534A
S0335D	5562
S0335G	5517
S0335H	5541
S0335J	5538◆
S0335K	5538
S0335W	5539◆
S0402BH	5437
S0402DH	5437
S0402MH	5438
S0405BH	5437
S0405DH	5437
S0405MH	5438
S0407BH	5437
S0407DH	5437
S0407MH	5438
S0410BH	5463
S0410DH	5465
S0410MH	5466
S0410NH	5468
S0501	116
S-0501	116
S0501JS2	5453
S0501JS3	5453
S0501L	5417
S0501LS1	5426◆
S0501LS2	5426
S0503LS3	5426
S0501M	5408
S0501RS3	5412
S0503L	5417
S0503LS1	5426◆
S0503LS2	5426
S0503LS3	5426
S0503M	5408
S0503RS2	5453
S0503RS3	5412
S0504F1	5453
S0504F2	5453
S0504F3	5453
S0504F4	5453
S0504L	5417
S0506G	5514
S0506H	5491
S0506L	5417
S0506LS2	5426
S0506LS3	5426
S0506R	5461
S0508G	5514
S0508H	5491
S0508L	5417
S0508LS2	5426
S0508LS3	5426
S0508R	5461
S0510G	5514
S0510H	5491
S0510L	5417
S0510LS2	5426
S0510LS3	5426
S0510R	5550
S0512R	5550◆
S0515G	5514
S0515H	5501
S0515L	5460
S0515R	5550
S0516R	5550
S0520G	5514
S0520H	5521
S0520L	5460
S0520R	5550
S0525C	5534A
S0525D	5562
S0525G	5517
S0525H	5521
S0525L	5460
S0525R	5550
S0535C	5534A
S0535D	5562
S0535G	5517
S0535H	5541
S0535J	5538◆
S0535K	5538
S0535W	5539◆
S0555M	5539
S0555W	5539◆
S0602BH	5437
S0602DH	5437
S0602MH	5438
S0605BH	5437
S0605DH	5437
S0605MH	5438
S0607BH	5463
S0607DH	5465
S0607MH	5466
S0607NH	5468
S0610BH	5483§
S0610DH	5485§
S0610MH	5487§
S0702	139A
S0704	123A
S0802BH	5437
S0802DH	5437
S0802MH	5438
S0805BH	5437
S0805DH	5437
S0805MH	5438
S0807BH	5437
S0807DH	5437
S0807MH	5438
S0810BH	5437
S0810DH	5437
S0810MH	5487§
S0835W	5540◆
S01201DF	5818
S01202DF	5818
S01203DF	5820
S01204DF	5820
S01205DF	5822
S01206DF	5822
S02501DF	6006
S02502DF	6006
S02503DF	6008
S02504DF	6008
S02505DF	6010
S02506DF	6010
S03501DF	6006
S03502DF	6006
S03503DF	6008
S03504DF	6008
S03505DF	6010
S03506DF	6010
S017446	159
S019843	159
S022010	123A
S022011	123A
S022012	159
S023735	159
S024428	123A
S024987	123A
S025232	123A
S025289	123A
S026094	234
S0C228	3047
S0C449A	3048
S0C490A	3097
S1	552
S1-1	116
S1-4	334
S1-11	335
S1-18	336
S1-25	333
S1(Diode)	552
S1A	116
S1A05F	587
S1A06	116
S1A060	116
S1A1F	587
S1A2F	587
S1A3	137A
S1A3F	552
S1A4F	552
S1A5F	552
S1A6F	552
S1A8F	558
S1A10F	558
S1A12F	558
S1A60	116
S1A(SCR)	5402
S1AN6	5854
S1AN12	5874
S1AN15	5916
S1AN15R	5917
S1AN20	5916
S1AN20R	5917
S1AN31	5986
S1AN31R	5987
S1AN40	5986
S1AN40R	5987
S1AN55	6026
S1AN55R	6027
S1AR1	116
S1AR2	116
S1B	116
S1B01	116
S1B01-01	116
S1B01-01V	116
S1B01-01W	116
S1-B01-02	116
S1B-01-02	116
S1B01-02	116
S1B01-02TP1	116
S1B01-02V1	116
S1B01-04	116
S1B01-04V1	116
S1B01-06	116
S1B01-06B	116
S1B02	116
S1B02-0	116(2)
S1B02-03C	156
S1B02-06CE	116
S1B02-06CRE	116
S1B02-C	116
S1B02-CR	116(2)
S1B02-CR1	178MP
S1B0101CR	116
S1B0102	116
S1B0201B	166
S1B0201CR	116
S1B-0306	125
S1B(SCR)	5404
S1BD1-02	116
S1BN15	5916
S1BN15R	5917
S1BN20	5916
S1BN20R	5917
S1BN31	5986
S1BN31R	5987
S1BN40	5986
S1BN40R	5987
S1BN55	6026
S1BN55R	6027
S1BR2	5854
S1BR5	5944
S1C	125
S1CN1	116
S1CR5	5944
S1D	125
S1D01-0	5875‡
S1D01-03	5879‡
S1D01-06	5883‡
S1D01-09	5891‡
S1D23-13	506
S1D23-15	506
S1D26	506
S1D30-13	506
S1D30-15	506
S1D50B851-A	177
S1D51C052-19	116
S1D51C169-1	116
S1D153	152
S1D(SCR)	5405
S1DR5	5944
S1E01-01	5983‡
S1E01-03	5991‡
S1E01-06	5995‡
S1E01-09	6003‡
S1ER5	5944
S1F(Diode)	558
S1G01-01	5983‡
S1G01-03	5991‡
S1G01-06	5995‡
S1G01-09	6003‡
S1GR2	5801
S1H31-01	6155‡
S1H31-01R	6154‡
S1H31-03	6155‡
S1H31-03R	6154‡
S1H31-06	6157‡
S1H31-06R	6156‡
S1H31-10	6159‡
S1H31-10R	6158‡
S1H31-12	6163‡
S1H31-12R	6162‡
S1K20	552
S1K20H	587
S1K40	552
S1L31-01	6355‡
S1L31-01R	6354‡
S1L31-03	6355‡
S1L31-03R	6354‡
S1L31-06	6357‡
S1L31-06R	6356‡
S1L31-10	6359‡
S1L31-10R	6358‡
S1L31-12	6363‡
S1L31-12R	6362‡
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S1M	5406
S1M1	5800
S1M2	5800
S1N01-01	6107‡
S1N01-01R	6106‡
S1N01-03	6107‡
S1N01-03R	6106‡
S1N01-06	6107‡
S1N01-06R	6106‡
S1N01-10	6107‡
S1N01-10R	6106‡
S1N01-12	6107‡
S1N01-12R	6106‡
S1P	506
S1P60	558
S1P80	558
S1P100	558
S1P150	558
S1PS335	5564
S1PS435	5564
S1PS535	5566
S1PS635	5566
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S1PT025A	56022
S1PT025AB	56022
S1PT025B	56022
S1PT025BC	56022
S1PT025C	56022
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S1PT030B	56022
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S1PT040AB	56022
S1PT040B	56022
S1PT040BC	56022
S1PT040C	56022
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S1PT125AB	56022
S1PT125B	56022
S1PT125BC	56022
S1PT125C	56022
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S1PT130AB	56022
S1PT130B	56022
S1PT130BC	56022
S1PT130C	56022
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S1PT140A	56022
S1PT140AB	56022
S1PT140B	56022
S1PT140BC	56022
S1PT140C	56022
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S1PT225AB	56022
S1PT225B	56022
S1PT225BC	56022
S1PT225C	56022
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S1PT230B	56022
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S1PT230C	56022
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S1PT240B	56022
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S1PT630B	56026
S1PT630BC	56026
S1PT630C	56026
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S1PT640A	56026
S1PT640AB	56026
S1PT640B	56026
S1PT640BC	56026
S1PT640C	56026
S1R12B	142A
S1R13B	142A
S1R20	552
S1R60	552
S1R-80	558
S1R80	552
S1R100	558
S1R150	558
S1RB	166
S1RB10	166
S1RBA00	5304◆
S1RBA-10	116(4)
S1RBA10	5304◆
S1RBA20	5304◆
S1RBA40	5304◆
S1RBA60	5305◆
S1RBA80	5306◆
S1RBA(Bridge)	166
S1RC20	116
S1RC20R	116
S1RD10	156
S1-RECT-35	177
S1-RECT-102	116
S1-RECT-154	116
S1-RECT-155	116
S1-RECT-158	506
S1S3M	585
S1S4M	585
S1S6M	578
S1S20	109
S1SM-150-01	116
S1SM-150-02	116
S1SW-05-02	116
S1T20H	552
S1VB	169
S1VB10	166
S1VB10S	166
S1VB20	167
S1VB40	168
S1WB10	5332◆
S1WB-20	5332◆
S1WB20	5332◆
S1WB40	5332◆
S1WB60	5332◆
S1WBA10	5332◆
S1WBA20	5332◆
S1WBA40	5332◆
S1WBA60	5332◆
S1WBS10	5332
S1Y	5400
S1YY	5401
S-1.5	116
S1.5	116
S-1.5-0	116
S1.5-01	116
S-2	116
S2A	5402
S2A06	116
S2A10	116
S2A20	5802
S2A30	5804
S2A40	5804
S2A50	5806
S2A60	5806
S2A80	5808
S2A100	5809
S2AN6	5874
S2AN12	5874
S2AO6	5800
S2AR1	116
S2AR2	116
S2B	5404
S2C30	116
S2C40	116
S2C40A	116
S2CN1	5802
S2D	5405
S2D153	196
S2E20	116
S2E60	116
S2E60-1	116
S2E100	125
S2GR2	5802
S2K20	580
S2K20H	588
S2K40	580
S2K45	580
S2K49	580
S2L40	576
S2LA20	588
S2LA20F	588
S2M	5406
S2M1	5801
S2M2	5800
S2PB	166
S2S6M	579
S2V	5806
S2V10	5801
S2V20	5802
S2V40	5804
S2V60	5806
S2VB	5315◆
S2VB10	5312◆
S2VB20	5313◆
S2VB40	5314◆
S2VB60	5315◆
S2VC	116(2)
S2VC10	125(2)
S2VC10R	125(2)
S2VC60ZR	116
S2Y	5400
S2YY	5401
S3A05	5800
S3A05F	576
S3A06	116
S3A1	5801
S3A1F	588
S3A2	5802
S3A2F	576
S3A3	5804
S3A3F	576
S3A4	5804
S3A4F	576
S3A5	5806
S3A5F	577
S3A6	5806
S3A6F	580
S3A8	5808
S3A8F	577
S3A10	5809
S3A10F	577
S3AN6	5878
S3AN12	5878
S3AR1	116
S3CN1	5804
S3G4	125
S3GR2	5804
S3K40	580
S3LA20	588
S3LA40	576
S3M1	5802
S3MX	116
S-3MX	116
S3S3M	586
S3S4M	586
S3S6M	579
S3V	5806
S3V10	5801
S3V-10	5801
S3V20	5802
S3V40	5804
S3V60	5806
S3VC	116(2)
S3VC40	125(2)
S3VC40R	125(2)
S3VCR	116
S4A06	116
S4A-1-A-3P	121
S4AN6	5878
S4AN12	5878
S4AR1	116
S4AR2	116
S4AR30	116
S-4C	558
S4CN1	5802
S4FN300	116
S4GR2	5802
S4LS132N	74LS132
S4LS221N	74LS221
S4LS374N	74LS374
S4M1	5804
S4VB	5312
S4VB10	5312
S4VB-10	5312
S4VB-10-1	5312
S4VB20	5313
S4VB20A	5313
S4VB20F	5313
S4VB40	5314
S4VB40F1	5314
S4VB60	5315
S5A05F	576
S5A1F	576
S5A2F	576
S5A3F	576
S5A4F	576
S5A5F	577
S5A6F	577
S5A8F	577
S5A10F	577
S5AN6	5882
S5AN12	5882
S5AR1	116
S5AR2	116
S5CN1	5804
S5GR2	5806
S5KC20	6240
S5KC20H	6240
S5KC20HR	6244
S5KC20R	6244
S5KKC40	6241
S5M1	5804
S-5S	116
S5S	116(2)
S5S3	579
S5S3M	6083
S5S4	579
S5S4M	6083
S-5SR	116
S5SR	116
S5VB	5313
S5VB-10	5313
S5VB/10	5313
S5VB10	5313
S5VB20	5313
S-5VB-20	5313
S5VB-20	5313
S5VB40	5314
S5VB40-F1	5314
S5VB60	5315
S6-3	166
S6-10	140A
S6-10A	140A
S6-10B	140A
S6-10C	140A
S-6(Okidata)	2408
S6A10	5312◆
S6A20	5313◆
S6A40	5314◆
S6A60	5315◆
S6A80	5316◆
S6A100	5317◆
S6AN6	5882
S6AN12	5882
S6AR1	116
S6AR2	116
S6B-3-A-3P	121MP
S6BR2	156
S6GR2	5806
S6K20	581
S6K20H	597
S6K40	581
S6M1	5806
S7AN6	5886
S7AN12	5886
S7AR1	125
S7BR2	156
S8-01	5874
S-8-01	5874‡
S-8-02	5874‡
S-8-04	5878‡
S8-06	156
S-8-06	5882‡
S-8-08	5886‡
S8-10	156
S-8-10	5890‡
S8AN6	5886
S8AN12	5886
S8AR1	125
S8AR2	125
S8BR2	156
S8CN1	5808
S8GR2	5808
S8M1	5806
S8P-2-A-3P	102A
S-8R-01	5875‡
S-8R-02	5875‡
S-8R-04	5879‡
S-8R-06	5883‡
S-8R-08	5887‡
S-8R-10	5891‡
S9AN6	5890
S9AN12	5890
S9AR1	125
S9BR2	156
S9L-4-A-3P	102A
S-10	116
S10	116
S10(Bridge)	5317
S10A	116
S10AN6	5890
S10AN12	5890
S10AR1	125
S10AR2	125
S10B01-02	116
S10BR2	156
S10BV1069	5313
S10CN1	5808
S10GR2	5809
S10K11	2V010
S10K14	2V014
S10K17	2V017
S10K20	2V020
S10K25	2V025
S10K30	2V030
S10K35	2V035
S10K40	2V040
S10K50	2V050
S10K60	2V060
S10K75	2V075
S10K95	2V095
S10K130	2V130
S10K150	2V150
S10K175	524V17
S10K250	2V250
S10K275	2V275
S10K300	2V300
S10K420	2V420
S10M1	5808
S10SC3M	6085
S10SC4M	6085
S10VB-10	5313
S10VB10	5313
S10VB20	5313

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
S10VB40	5314
S10VB60	5315
S11	177
S11(Trans)	46
S11MD3	3048
S11MD5V	3048
S-12	5802
S12-1-A-3P	123A
S-12A	5802
S12A10	5322
S12A20	5322
S12A40	5324
S12A60	5326
S12A80	5327
S12A100	5328
S12CN1	5808
S12KC20	6246#
S12KC20H	6246#
S12KC40	6247#
S12M1	5809
S12MD1V	3091◆
S13	116
S13(Trans)	232
S13A	5804
S14	116
S14(Trans)	232
S14A	5804
S14A-1-3P	121
S14K11	2V010
S14K14	2V014
S14K17	2V017
S14K20	2V020
S14K25	2V025
S14K30	2V030
S14K35	2V035
S14K40	2V040
S14K50	2V050
S14K60	2V060
S14K75	2V075
S14K95	2V095
S14K130	2V130
S14K150	2V150
S14K175	524V17
S14K250	2V250
S14K275	2V275
S14K300	2V300
S14K420	2V420
S15	552
S-15	552
S15A	552
S-15C	558
S15S3	6084
S15S4	6084
S15SC3M	6090#
S15SC4M	6090#
S15VB10	5322
S15VB20	5322
S15VB40	5324
S15VB60	5326
S16	116
S16A	116
S16B	116
S-17	116
S17	116
S-17A	116
S17A	116
S18	116
S18A	116
S18B	116
S19	116
S19A	116
S19C	5987◆
S19D	5989◆
S19E	5991◆
S19G	5995◆
S19J	5999◆
S19L	6003◆
S20	125
S-20-01	5982‡
S-20-02	5986‡
S-20-04	5990‡
S-20-06	5994‡
S-20-08	5998‡
S-20-10	6002‡
S20C	5986◆
S20D	5988◆
S20E	5990◆
S20G	5994◆
S20J	5998◆
S20K130	524V13
S20K150	524V15
S20K175	524V17
S20K250	524V25
S20K275	524V27
S20K300	524V30
S20K420	524V42
S20L	6002◆
S20LC40	6247#
S20LCA20	6246#
S20ND400	116
S20NH400	116
S-20R-01	5983‡
S-20R-02	5987‡
S-20R-04	5991‡
S-20R-06	5995‡
S-20R-08	5999‡
S-20R-10	6003‡
S21	116
S22	116
S22A	116
S22MD1	3091
S23	116
S23A	116
S24	125
S24LCA20	6246#
S25A05	5980
S25A1	5986
S25A2	5986
S25A3	5990
S25A4	5990
S25A6	5994
S25A8	5998
S25A10	6002
S25A10(Bridge)	5322
S25A20(Bridge)	5322
S25A40(Bridge)	5324
S25A60(Bridge)	5326
S25A80(Bridge)	5327
S25A100(Bridge)	5328
S25S2	6094
S25VB10	5322
S25VB20	5322
S25VB40	5324
S25VB60	5326
S26	116
S28	125
S30	116
S30-12	318
S30S1S03	6094
S30S1S04	6094
S30S3	6094
S30S3A	6094
S30S4A	6094
S30SC3M	6090#
S30SC4M	6090#
S31	116
S32(DIODE)	519
S32(RECT)	116
S33	116
S34	506
S-34	506
S35	116
S35S2	6094
S36	116
S37	5870
S38	5870
S39	5874
S-39T	121
S40	116
S40A	116
S40A05	5980
S40A1	5986
S40A2	5986
S40A3	5990
S40A4	5990
S40A5	5994
S40A6	5994
S40A8	5998
S40A10	6002
S-40T	121
S-40TB	121
S-41T	121
S-42T	121
S43	116
S-43T	121
S44	116
S46	116
S-46T	121
S47	116
S48	116
S-48T	121
S49	116
S-49T	121
S50	5886
S50-12	335
S50-28	317
S51	5886
S51A	6007
S51B	6007
S51C	6007
S52	5874
S52A	6006
S52B	6006
S52C	6006
S53	5878
S53A	5819◆
S53B	5819◆
S53C	5818◆
S54A	5818◆
S54B	5818◆
S54C	5818◆
S55	5882
S-55TB	126A
S56	5882
S57	5886
S58	5886
S-58TB	121
S59	5890
S60(Axial)	116
S-60(Axial)	116
S60(Stud)	5890
S-60(Stud)	5890
S60S3	6094
S60S4	6094
S61	125
S62	125
S63	125
S65-1-A-3P	160
S65-2-A-3P	103A
S65-4-A-3P	101
S65A-1-3P	160
S65B-1-3P	126A
S65C-1-3P	121
S66-1-A-3P	102A
S66-2-A-3P	102A
S66-3-A-3P	102A
S70-12	317
S-70T	126A
S70T	160
S72	116
S73	116
S74-3-A-3P	100
S75	116
S77	116
S77A-1-3P	105
S77B-1-3P	121MP
S77C-1-3P	121
S79	116
S80-12	335
S-80T	126A
S80W	1355§
S-80W	1355§
S81	116
S82	116
S83	116
S84	116
S84A-1-3P	121
S-85	184
S85	116
S86	116
S-86	184
S-87TB	126A
S87TB	160
S88B-1-3P	160
S88C-1-3P	100
S88TB	160
S-88TB	126A
S91	116
S91-A	116
S91A	5800
S91B	5801
S91H	116
S92	116
S92-1-A-3P	105
S92A	5800
S92-A	116
S92H	116
S93	116
S93A	152
S93H	116
S93SE133	130
S93SE140	130MP
S93SE165	130
S94	116
S95	116
S-99	519
S100	125
S-100-01	6154‡
S-100-02	6154‡
S-100-03	6154‡
S-100-04	6154‡
S-100-06	6156‡
S-100-08	6158‡
S-100-10	6158‡
S100-12	470
S100-28	471
S100W	1355§
S-100W	1355§
S-100WA	1355§
S101	116
S102	116
S103	116
S104	116
S105	116
S105A	5800
S106	116
S106A	5454
S106A1	5454
S106B	5455
S106B1	5455
S106C	5457
S106C1	5457
S106D	5457
S106D1	5457
S106F	5453
S106F1	5453
S106Q	5452
S106Y	5452
S106Y1	5452
S107	116
S107A	5454
S107A1	5454
S107B	5455
S107B1	5455
S107C	5457
S107C1	5457
S107D	5457
S107D1	5457
S107F	5453
S107F1	5453
S107Q	5452
S107Y	5452
S107Y1	5452
S108	116
S110A	5809
S115	116
S122A	5462
S122B	5463
S122C	5465
S122D	5465
S122F	5461
S124AHB	280
S129	116
S130-138	161
S130-251	161
S133-1	123A
S169N	123A
S180	177
S180D	5800
S181D	5801
S191G	116
S200	116
S-200-02	6354‡
S-200-03	6354‡
S-200-04	6354‡
S-200-06	6356‡
S-200-08	6358‡
S-200-10	6358‡
S201	116
S202	116
S203	116
S204	116
S205	116
S206	116
S208	125
S210	125
S217	116
S218	116
S219	116
S220	116
S221	116
S222	116
S223	116
S224	116
S227(JAPAN)	519(2)
S229	5802
S230	116
S232	116
S233	116
S234	116
S235	116
S236	5802
S238	116
S239	116
S240	116
S241	116
S243	116
S250	116
S251	116
S252	116
S253	116
S254	116
S255	116
S256	116
S257	125
S258	125
S260	125
S262	116
S-262	116
S-305	130
S305	130
S-305A	130
S305A	130
S305D	130
S-305-PD	130
S306A	175
S-310F	152
S-320F	129
S353	130
S354	175
S356	130
S-356	130
S-371	160
S380D	5800
S381D	5801
S400	5878
S409F	128
S410	5874
S411	5874
S413	5878
S415	5882
S417	5886
S420	5874
S421	5874
S423	5878
S425	5882
S427	5886
S428	116
S431	116
S431CZ(T0-92)	999
S-437	129
S-437F	129
S481	587
S483T(CEB)	23
S-500	125
S500	106
S-500B	116
S500B	5804
S-500C	116
S500C	5804
S501	106
S502	177
S502A	177
S502B	177
S504-O	129
S506	177
S506A	177
S506B	177
S509	177
S509A	177
S509B	177
S520	159
S-522	192§
S600	5882
S608	159
S609T(CEB)	10
S627T(ECB)	287
S628T(ECB)	287
S629T(ECB)	287
S637T	256
S642-D	5564
S684	166
S685	102A
S686	102A
S687	102A
S690T(CEB)	10
S691T(CEB)	10
S715	186
S717-323	467
S750	125
S750C	125
S763T	23
S790T	10
S791T	10
S800	5886
S801	186
S808	156
S855	120
S-873TB	160
S-874TB	160
S913	118
S920TS	287
S921TS	288
S922TS	287
S923TS	288
S926	118
S953	177
S1000	5848
S1001JS2	5454
S1001JS3	5454
S1001L	5417
S1001LS1	5426◆
S1001LS2	5426
S1001LS3	5426
S1001M	5408
S1001RS3	5413
S1003L	5417
S1003LS1	5426◆
S1003LS2	5426
S1003LS3	5426
S1003M	5408
S1003RS2	5454
S1003RS3	5413
S1004F1	5454
S1004F2	5454
S1004F3	5454
S1004F4	5454
S1004L	5417
S1006G	5514
S1006H	5491
S1006L	5417
S1006LS2	5426
S1006LS3	5426
S1006R	5462
S1007BH	5417
S1007DH	5418
S1007MH	5419
S1008G	5514
S1008H	5491
S1008L	5417
S1008LS2	5426
S1008LS3	5426
S1008R	5462
S1009	108
S1010	5801
S1010BH	5463
S1010DH	5465
S1010G	5514
S1010H	5491
S1010L	5417
S1010LS2	5426
S1010LS3	5426
S1010MH	5466
S1010NH	5468
S1010R	5552
S1012R	5552◆
S1015G	5514
S1015H	5502
S1015L	5460
S1015R	5552
S1016	123A
S1016R	5552
S1019	108
S1020	5802
S1020G	5514
S1020H	5522
S1020L	5460
S1020R	5552
S1025C	5534A
S1025D	5562
S1025G	5517
S1025H	5522
S1025L	5460
S1025R	5552
S1030	5804
S1035D	5534A
S1035D	5562
S1035G	5534A
S1035H	5542
S1035K	5538
S1035W	5539◆
S-1037	108
S1037	108
S1040	5804
S-1041	108
S1041	107
S1041-16GN	107
S1044	108
S1047	159
S1050	5806
S1055M	5539
S1055W	5539◆
S1058	108
S-1058	108
S1059	108
S-1059	108
S-1060	108
S1060	5806
S-1061	123A
S1061	123A
S-1062	108
S1062	108
S-1065	123A
S1065	123A
S1066	123A
S-1066	123A
S1068	123A
S-1068	123A
S1069	123A
S1070	5808
S1074	123A
S1074R	123A
S1076	108
S1078	108
S-1078	108
S1079	108
S-1079	108
S1080(Diode)	5808
S1080(Rectifier)	5808
S1080(Transistor)	123A
S1090	5809
S1122	107
S1126	107
S-1128	123A
S1128	123A
S1142	108
S-1143	123A
S1143	123A
S1153	108
S-1153	108
S1201F	125
S1202	157
S1210	5801
S1210BH	5552
S1210DH	5554
S1210MH	5556
S1210NH	5558
S1211N	312
S1212N	312
S1213N	312
S1214N	312
S1215N	312
S1216N	312
S1220	5802
S1221	123A
S-1221	123A
S-1221A	123A
S1221A	123A
S1221N	312
S1222N	312
S1223N	312
S1224N	312
S1225N	312
S1226	123A
S-1226N	312
S-1227	108
S1227	108
S1230	5804
S1231N	312
S1232N	312
S1233N	312
S1234N	312
S1235N	312
S1236	291
S1236N(FET)	312
S1237	292
S1240	5804
S1241	123A
S1241N	312
S1242	123A
S1242N	312
S1243	123A
S1243N	116
S1245	123A
S-1245	123A
S1250	5806
S1260	5806
S1270	5808
S1272	123A
S-1276	108
S1276	108
S1280	5808
S1286	161
S-1286	108
S1290	5809
S-1296	108
S1296	108
S1298	171
S1307	123A
S1308	107
S1309	123A
S1313	108
S-1316	108
S1316	108
S1317	108
S-1317	108
S-1318	108
S1318	108
S1331	123A
S1331N	123A
S-1331W	123A
S1331W	123A
S1332	126A
S-1348	102A
S1348	102A
S1349	102A
S-1349	102A
S1350	159
S1350A	159
S-1360	108
S1360	108
S-1361	108
S1361	108
S1362	108
S-1362	108
S-1363	123A
S1363	123A
S1364	123A
S-1364	123A
S1366	154
S1367	159
S-1367A	159
S1368	128
S1369	123A
S1373	123A
S1374	123A
S1375	49
S1376	50
S1377	171
S1384	110MP
S1403	123A
S-1403	123A
S1405	123A
S1407	154
S1408	108
S-1408	108
S1409	108
S-1409	108
S1419	123A
S1420	123AP
S1423	159
S1428	177
S1429-3	123A
S1430	129
S1431	129
S1432	123A
S1443	123A
S1453	123A
S1475	123A
S1476	123A
S1487	123A
S1502	123A
S1510	123A
S-1512	123A
S1514	128
S1516	128
S1517	128
S1520	129
S1523	128
S1525	128
S1526	123A
S1527	123A
S1529	123A
S1530	123A
S-1533	123A
S1553	177
S-1556-2	121
S1556-2	121
S1559	123A
S-1559	123A
S1568	123A
S1570	123A
S1600	116
S1610BH	5552
S1610DH	5554
S1610MH	5556
S1610NH	5558
S1612BH	5552
S1612DH	5554
S1612MH	5556
S1612NH	5558
S1619	123A
S1620	123A
S1629	123A
S1636	108
S1639	102A
S-1639	102A
S1640	160
S-1640	160
S1642	128
S1644	128
S1671	128
S1672	159
S1674	108
S1674A	108
S1682	108
S1689	128
S1691	130
S1692	130
S1697	123A
S1698	129
S1761	123A
S1761A	123A
S1761B	123A
S1761C	123A
S1762	128
S1764	123A
S1765	123A
S1766	123A
S1768	123A
S1769	154
S1770	123A
S1772	123A
S1773	128
S1777	128
S1784	123A
S1785	123A
S1801-02	116
S1805	123AP
S1806	159
S1807	123AP
S1808	123AP
S1835	123A
S1836	287
S1837	288
S1838	128P
S1840	287
S1863	129
S1864	128
S1865	130
S1871	123A
S1874	128
S1889	159
S1891	123A
S1891A	123A
S1891B	123A
S1897	107
S1905	130
S1905A	130
S1907	130
S1948-008	159
S1954	49
S1955	50
S1983	129
S1990	234
S1990(Sanyo)	2328
S1991(Sanyo)	2329
S1993	123A
S1998A	2060
S1998B	2061§
S2000	2354#
S2000A	2354#
S2000AF	2354#
S2000F	2354#
S2001JS2	5455
S2001JS3	5455
S2001L	5417
S2001LS1	5426◆
S2001LS2	5426
S2001LS3	5426
S2001M	5408
S2001RS3	5414
S2002	161
S2003-1	130
S2003L	5417
S2003LS1	5426◆
S2003LS2	5426
S2003LS3	5426
S2003M	5408
S2003RS2	5455
S2003RS3	5414
S2004F1	5455
S2004F2	5455
S2004F3	5455
S2004F4	5455
S2004L	5417
S2005	5912
S2006G	5514
S2006H	5492
S2006L	5417
S2006LS2	5426
S2006LS3	5426
S2006R	5463
S2008G	5514
S2008H	5492
S2008L	5417
S2008LS2	5426
S2008LS3	5426
S2008R	5463
S2010	5916
S2010G	5514
S2010H	5492
S2010L	5417
S2010LS2	5426
S2010LS3	5426
S2010R	5552
S2012BH	5552
S2012DH	5554
S2012MH	5556
S2012NH	5558
S2012R	5552◆
S2015	5916
S2015G	5514
S2015H	5504
S2015L	5460
S2015R	5552
S2016R	5552
S2020	5916
S2020G	5514
S2020H	5524
S2020L	5460
S2020R	5552
S2025	5920
S2025C	5534A
S2025D	5562
S2025G	5517
S2025H	5524
S2030	5920
S2034	123A
S2035	5920
S2035C	5534A
S2035D	5562
S2035G	5517
S2035H	5543
S2035J	5538◆
S2035K	5538

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
S2035W	5539◆
S2040	5920
S2041	153
S-2041-8661	9944
S2042	152
S2043	123A
S2044	123A
S2045	5924
S2050	5924
S2054	2302
S2055	2302
S2055A	2302
S2055AF	2353
S2055F	2331
S2055M	5539
S2055W	5539◆
S2056	2301#
S2059	124
S2060	5924
S2060A	5437
S2060B	5437
S2060C	5437
S2060D	5438
S2060E	5438
S2060F	5437
S2060M	5438
S2060Q	5437
S2060Y	5437
S2061A	5437
S2061B	5437
S2061C	5437
S2061D	5457
S2061E	5438
S2061F	5437
S2061M	5438
S2061Q	5437
S2061Y	5437
S2062A	5437
S2062B	5437
S2062C	5437
S2062D	5438
S2062E	5438
S2062F	5437
S2062M	5438
S2062Q	5437
S2062Y	5437
S-2064-G	519
S2070	5928
S2080	5928
S2087G	177
S2090	5932
S2091	159
S2105	5912
S2110	5916
S2114	2114
S2114-3	2114
S2114A	2114
S2114A-3	2114
S2114AE	2114
S2114AE-3	2114
S2114AP	2114
S2114AP-3	2114
S2114E	2114
S2114E-3	2114
S2114P	2114
S2114P-3	2114
S2115	5916
S2117	129
S2118	128
S2120	5916
S2121	123A
S2122	123A
S2123	123A
S2124	123A
S2125	5920
S2128	159
S2129	159
S2130	5920
S2131	107
S2132	107
S2133	107
S2134	107
S2135	5920
S2140	5920
S2140(Rectifier)	5920
S2145	5924
S2147-3	2147
S2147-4	2147
S2147-5	2147
S2147C-3	2147
S2147C-4	2147
S2147C-5	2147
S2147E-3	2147
S2147E-4	2147
S2147E-5	2147
S2147P-3	2147
S2147P-4	2147
S2147P-5	2147
S2150	5924
S2159	108
S2160	5924
S2170	5928
S2171	123A
S2172	123A
S2180	5928
S2190	5932
S-2200-1135	74H04
S2209	128
S2224	108
S2225	123A
S2241	130
S2274	129
S2321	175
S2368	129
S2369	128
S2370	129
S2371	128
S2392	130
S2397	123A
S2398C	129
S2400	128
S2400A	128
S2400B	128
S2401	128
S2401A	128
S2401B	128
S2401C	128
S2402	128
S2402A	128
S2402B	128
S2402C	128
S2403B	130
S2403C	130
S2422	5962
S2422R	5963
S2423	5962
S2423R	5963
S2424	5962
S2424R	5963
S2425	5962
S2425R	5963
S2426	5962
S2426R	5963
S2427	128
S2427(RECT)	5966
S2434	5940
S2434R	5944
S2435	5944
S2435R	5945
S2436	5944
S2436R	5945
S2437	5948
S2437R	5949
S2438	5948
S2438R	5949
S2439	5952
S2439R	5953
S2486	175
S2487	128
S2512BH	5552
S2512BK	5534A
S2512DH	5554
S2512DK	5534A
S2512MH	5556
S2512MK	5534A
S2512NH	5558
S2514BH	5552
S2514BK	5534A
S2514DH	5554
S2514DK	5534A
S2514MH	5556
S2514MK	5534A
S2514NH	5558
S2525	159
S2526	128
S2527	175
S2530	283
S2544	236
S2581	123A
S2582	123A
S2590	123A
S2593	123A
S2600B	5427
S2600D	5428
S2600M	5429
S2617	108
S2635	123A
S2636	123A
S2645	159
S2645A	159
S2648	128
S2710B	5513
S2710D	5513
S2710M	5513
S2741	130
S2771	129
S2775	552
S2794	128
S2800A	5462
S2800B	5463
S2800C	5465
S2800D	5465
S2800F	5461
S2800N	5468
S2800S	5468
S2801	165
S2818	89
S2818A	89
S2824	89
S2935	123A
S2944	123A
S2984	123A
S2985	123A
S2986	154
S2988	159
S2988A	159
S2989	123A
S2991	129
S2992	128
S2993	129
S2994	129
S2995	129
S2996	123A
S2997	123A
S2998	123A
S2999	123A
S3001	195A
S3002	154
S3002(HEP)	2347
S3004	159
S3004-1715	137A
S3004-1716	177
S3004-1718	137A
S3006(HEP)	320
S3007	351
S3008(MOT)	311
S3010(HEP)	2347
S3011(HEP)	2347
S3011A	605A
S3012	129
S3013	311
S3013(MOT)	311
S3014(HEP)	311
S3016	601
S-3016	601
S3016R	601
S-3016R	177
S3019	108
S3020	108
S3021(HEP)	191
S3022(HEP)	191
S3023(HEP)	210
S3024(HEP)	210
S3025(HEP)	210
S3025L	5460
S3026(HEP)	188
S3027(HEP)	211
S3028(HEP)	211
S3029(HEP)	211
S3030(HEP)	189
S3030G	109
S3031(HEP)	189
S3032(HEP)	189
S3033	154
S3034	154
S3035	154
S3042(HEP)	128
S3043(HEP)	322§
S3045(HEP)	235
S3049(HEP)	295
S3052(HEP)	325
S3072	601
S3072C	177
S3073	610
S3105	5980
S3110	5982
S3115	5986
S3120	5986
S3125	5988
S3130	5988
S3135	5990
S3140	5990
S3145	5992
S3150	5992
S3160	5994
S3170	5998
S3180	5998
S3190	6002
S3205	5980
S3210	5982
S3215	5986
S3220	5986
S3225	5988
S3230	5988
S3235	5990
S3240	5990
S3245	5992
S3250	5994
S3260	5992
S3270	5998
S3280	5998
S3290	6002
S3386	129
S3405	6020
S3410	6022
S3415	6026
S3420	6026
S3425	6034
S3430	6034
S3435	6034
S3440	6034
S3445	6040
S3450	6040
S3460	6040
S3470	6042
S3480	6042
S3490	6044
S3577G	109
S3603G	109
S3605	6048
S3610	6050
S3615	6054
S3620	6054
S3625	6060
S3630	6060
S3635	6060
S3639	159
S3640	6060
S3640A	159
S3645	6064
S3650	6064
S3655	159
S3655A	159
S3660	6064
S3670	6068
S3680	6068
S3690	6072
S3700B	5351A
S3700D	5351A
S3700M	5351A
S3702S	231
S3702SF	231
S3703SF	230
S3704A	231
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S9140	243
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S9316F	8316◆
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S9323-03	9932
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S9623-01	9962
S9623-03	9962
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To Be Replaced	ECG Replacement
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S12140	506
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SAE11-0074	88
SAE11-0148	55
SAE11-0149	54
SAF1039P	1760
SAJ110	2040§
SAJ210	2040§
SAJ210AX7	2040§
SAJ72155	1076
SAJ72156	1091*
SAJ72157	1046
SAJ72158	1047
SAJ72159	1077
SAJ72160	1086*
SAJ72161	1089*
SAJ72162	1048
SATCHZ339	108
SB01	116
SB01-02	177
SB020	585
SB030	585
SB040	585
SB0319	152
SB0419	218
SB-1	506
SB1-01-04	116
SB1Z	5800
SB-1Z	116
SB-2	506
SB-2(Centering)	507
SB-2B	506
SB2C	506
SB-2C	558
SB-2C,Y	506
SB2C-GL	506
SB-2CGL	525
SB-2CH	506
SB-2CY	525
SB-2GL	506
SB-2T	506
SB-3	116
SB-3-02	116
SB-3F	156(4)
SB-3F01	116
SB-3N	116
SB5	130
SB6	130
SB7	130
SB100	126A
SB-100	126A
SB101	160
SB102	160
SB103	160
SB120	585
SB130	585
SB140	585
SB150	578
SB151(Bridge)	5322
SB152(Bridge)	5322
SB154(Bridge)	5324
SB156(Bridge)	5326
SB158(Bridge)	5327
SB160	578
SB169	102A
SB169	102A
SB190	578
SB200	126A
SB251(Bridge)	5322
SB252(Bridge)	5322
SB254(Bridge)	5324
SB256(Bridge)	5326
SB258(Bridge)	5327
SB302	116
SB305(Bridge)	5312
SB305G(Bridge)	5312
SB-309A	116
SB309A	166
SB309C	166
SB-309C	116
SB310(Bridge)	5312
SB310G(Bridge)	5312
SB315	116
SB320	586
SB320(Bridge)	5313
SB320G(Bridge)	5313
SB330	586
SB332	116
SB333	116
SB340	586
SB340(Bridge)	5314
SB340G(Bridge)	5314
SB350	579
SB351(Bridge)	5340
SB352(Bridge)	5340
SB354(Bridge)	5342
SB356(Bridge)	5342
SB358(Bridge)	5344
SB360	579
SB360(Bridge)	5315
SB360G(Bridge)	5315
SB380(Bridge)	5316
SB380G(Bridge)	5316
SB390	579
SB393	116
SB401(Bridge)	5318
SB402(Bridge)	5318
SB403(Bridge)	5318
SB404(Bridge)	5319
SB405(Bridge)	5319
SB406(Bridge)	5320
SB407(Bridge)	5320
SB561(ECB)	159
SB601(Bridge)	5312
SB601G	5312
SB602	5312
SB602G	5312
SB603	5313
SB603G	5313
SB604	5314
SB604G	5314
SB605	5315
SB605G	5315
SB606	5316
SB606G	5316
SB607	5317
SB607G	5317
SB708D1H	2058§
SB726	159
SB801(Bridge)	5312
SB802(Bridge)	5312
SB803(Bridge)	5313
SB804(Bridge)	5314
SB805(Bridge)	5315
SB806(Bridge)	5316
SB807(Bridge)	5317
SB820	6083
SB821	137A
SB821A	137A
SB823	137A
SB823A	137A
SB825	137A
SB825A	137A
SB827	137A
SB827A	137A
SB829	137A
SB829A	137A
SB830	6083
SB840	6083
SB850	6086
SB860	6086
SB-1000	125
SB1505(Bridge)	5322
SB1510(Bridge)	5328
SB1620	6087
SB1630	6087
SB1640	6087
SB1645	6087
SB1650	6086
SB1660	6086
SB2505(Bridge)	5322
SB2510(Bridge)	5328
SB3100(Bridge)	5317
SB3100G(Bridge)	5317
SB3505(Bridge)	5340
SB3510(Bridge)	5344
SB5122	126A
SBA5089	1690
SBEB05	166
SBEB1	166
SBEB2	167
SBEB4	168
SBEB6	169
SBL530	6083
SBL530CT	6085
SBL535	6083
SBL540	6083
SBL540CT	6085
SBL545	6083
SBL830	6083
SBL835	6083
SBL840	6083
SBL845	6083
SBL1030	6083
SBL1030CT	6085
SBL1035	6083
SBL1035CT	6087
SBL1040	6083
SBL1040CT	6085
SBL1045	6083
SBL1045CT	6087
SBL1050CT	6086
SBL1060CT	6086
SBL1630CT	6087
SBL1630PT	6090#
SBL1635CT	6087
SBL1635PT	6090#
SBL1640CT	6087
SBL1640PT	6090#
SBL1645CT	6087
SBL1645PT	6090#
SBL1650CT	6086
SBL1660CT	6086
SBL2030CT	6087
SBL2030PT	6087#
SBL2035CT	6087
SBL2035PT	6090#
SBL2040CT	6087
SBL2040PT	6087#
SBL2045CT	6087
SBL2045PT	6090#
SBL2050CT	6086
SBL2060CT	6086
SBL3030PT	6090#
SBL3035PT	6090#
SBL3040PT	6090#
SBL3045PT	6090#
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SBLF1040	6083#
SBLF1040CT	6085#
SBLF1630CT	6087#
SBLF1640CT	6087#
SBLF2030PT	6087#
SBLF2040PT	6087#
SBLF3030PT	6090#
SBLF3040PT	6090#
SBP1020T	6085
SBP1030T	6085
SBP1035T	6085
SBP1040T	6085
SBP1620T	6087
SBP1630T	6087
SBP1635T	6087
SBP1640T	6087
SBP1645T	6087
SBP3020P	6090#
SBP3030P	6090#
SBP3035P	6090#
SBP3040P	6090#
SBP3045P	6090#
SBR05	166
SBR6A05	5340
SBR6A1	5340
SBR6A2	5340
SBR6A3	5342
SBR6A4	5342
SBR6A5	5342
SBR6A6	5342
SBR6A8	5344
SBR6A10	5344
SBR10A05	5340
SBR10A1	5340
SBR10A2	5340
SBR10A3	5342
SBR10A4	5342
SBR10A5	5342
SBR10A6	5342
SBR10A8	5344
SBR10A10	5344
SBR12	166
SBR22	167
SBR42	168
SBR62	169
SBR82	170
SBR102	170
SBR-260	116
SBR2520	6084
SBR2525	6084
SBR2530	6084
SBR2535	6084
SBR3035	6084
SBR3040	6084
SBR3045	6084
SBR5375-3	6094
SBR6020	6094
SBR6025	6094
SBR6030	6094
SBR6035	6094
SC05	116
SC05E	116
SC0515	5912
SC1	116
SC1(PHILCO)	230
SC1(SCR)	230
SC2	116
SC2(PHILCO)	231
SC4	116
SC-6	109
SC6	5809
SC-7	5457
SC7(Philco)	5457
SC-7(Philco)	5457
SC8	125
SC8A	125
SC10	125
SC10A	125
SC12	102A
SC-12	102A
SC12(diode)	177
SC-15	613
SC-16	116
SC20	614
SC-20	613
SC23-3	116
SC23-9	116
SC-29	113A
SC35A	5673
SC-35B	5673
SC35B	5673
SC35D	5675
SC35F	5673
SC40A	5667A
SC40B	5673
SC40B-1	5675
SC40D	5675
SC40E	5677
SC40F	5667A
SC43	100
SC44	100
SC45	102A
SC45A	5675
SC45B	5673
SC45B13	5673
SC45D	5675
SC45D13	5675
SC45E	5677
SC45E13	5677
SC45F	5675
SC46	100
SC50A	5675
SC50B	5673
SC50B13	5673
SC50D	5675
SC50D13	5675
SC50E	5677
SC50E13	5677
SC50F	5675
SC54	109
SC56	103A
SC-56	103A
SC60A	5682
SC60A13	5682
SC60B	5683
SC60B13	5683
SC60C	5685
SC60C13	5685
SC60D	5685
SC60D13	5685
SC60E	5685
SC60E13	5685
SC60F	5681
SC60F13	5681
SC-63	102A
SC63	102A
SC65	123A
SC-65	123A
SC66	102A
SC-66	102A
SC-68	102A
SC68	102A
SC-69	102A
SC69	102A
SC70	121
SC-70	121
SC-71	160
SC71	160
SC72	160
SC-72	160
SC73	102A
SC-73	102A
SC74	160
SC-74	160
SC78	160
SC-78	160
SC79	160
SC-79	160
SC80	160
SC-80	160
SC91	139A
SC110	116
SC-110	116
SC115	5916
SC116P1	725
SC129B	56015
SC129D	56016
SC129E	56017
SC129M	56017
SC136B(MT1,MT2,GT)	5629
SC136D(MT1,MT2,GT)	5629
SC140B	5645
SC140D	5645
SC140E	5645
SC140M	5645
SC141A	56004
SC141A1	56004
SC141A2	56004
SC141A3	56004
SC141A4	56004
SC141A5	56004
SC141A6	56004
SC141B	56004
SC141B1	56004
SC141B2	56004
SC141B3	56004
SC141B4	56004
SC141B5	56004
SC141B6	56004
SC141C	56006
SC141C1	56006
SC141C2	56006
SC141C3	56006
SC141C4	56006
SC141C5	56006
SC141C6	56006
SC141D	5635
SC141D1	56006
SC141D2	56006
SC141D3	56006
SC141D4	56006
SC141D5	56006
SC141D6	56006
SC141E	56008
SC141E1	56008
SC141E2	56008
SC141E3	56008
SC141E4	56008
SC141E5	56008
SC141E6	56008
SC141F	56004
SC141F1	56004
SC141F2	56004
SC141F3	56004
SC141F4	56004
SC141F5	56004
SC141F6	56004
SC141M	5637
SC141N	56010
SC142B	5645
SC142D	5645
SC142E	5645
SC142M	5645
SC143B	56004
SC143D	56006
SC143E	56008
SC143M	56008
SC146A	5632
SC146A1	5632
SC146A2	5632
SC146A3	5632
SC146A4	5632
SC146A5	5632
SC146A6	5632
SC146B	5633
SC146B1	5633
SC146B2	5633
SC146B3	5633
SC146B4	5633
SC146B5	5633
SC146B6	5633
SC146C	5635
SC146C1	5635
SC146C2	5635
SC146C3	5635
SC146C4	5635
SC146C5	5635
SC146D	5635
SC146D1	5635
SC146D2	5635
SC146D3	5635
SC146D4	5635
SC146D5	5635
SC146D5X115	5635
SC146D6	5635
SC146E	5637
SC146E1	5637
SC146E3	5637
SC146E4	5637
SC146E5	5637
SC146E6	5637
SC146F	5631
SC146F1	5631
SC146F2	5631
SC146F3	5631
SC146F4	5631
SC146F5	5631
SC146F6	5631
SC146M	5637
SC147	123AP
SC147A	123AP
SC147B	123AP
SC147B(TRIAC)	5645
SC147D	5645
SC147E	5645
SC147M	5645
SC148	123AP
SC148A	123AP
SC148B	123AP
SC148C	123AP
SC149	123AP
SC149B	56004
SC149B(TRIAC)	56004
SC149C	123AP
SC149D	56006
SC149E	56008
SC149M	56008
SC150B	56019
SC150D	56020
SC151B	56004
SC151D	56006
SC151E	56008
SC151M	56008
SC160B	5679
SC160D	5679
SC160E	5679
SC160F	5679

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SC160M	5679
SC174	123AP
SC174A	123AP
SC174B	123AP
SC206	123AP
SC215	5916
SC240B	5673
SC240B2	56022
SC240B3	56022
SC240B4	5679
SC240B5	5679◆
SC240B13	5673
SC240D	5675
SC240D2	56024
SC240D3	56024
SC240D4	5679
SC240D5	5679◆
SC240D13	5675
SC240E	5677
SC240E2	56026
SC240E3	56026
SC240E4	5679
SC240E5	5679◆
SC240E13	5677
SC240M	5677
SC240M2	56026
SC240M3	56026
SC240M4	5679
SC240M5	5679◆
SC241B	5688
SC241D	5689
SC241E	5690
SC241M	5690
SC245B	5673
SC245B2	56022
SC245B3	56022
SC245B4	5679
SC245B5	5679◆
SC245B13	5673
SC245D	5675
SC245D2	56024
SC245D3	56024
SC245D4	5679
SC245D5	5679◆
SC245D13	5677
SC245E	5677
SC245E2	56026
SC245E3	56026
SC245E4	5679
SC245E5	5679◆
SC245E13	5677
SC245M	5677
SC245M2	56026
SC245M3	56026
SC245M4	5679
SC245M5	5679◆
SC246B	5688
SC246B4	5679
SC246D	5689
SC246D4	5679
SC246E	5690
SC246M	5690
SC250B	5673
SC250B2	56022
SC250B3	56022
SC250B4	5679
SC250B5	5679◆
SC250B13	5673
SC250D	5675
SC250D2	56024
SC250D3	56024
SC250D4	5679
SC250D5	5679◆
SC250D13	5675
SC250E	5677
SC250E2	56026
SC250E3	56026
SC250E4	5679
SC250E5	5679◆
SC250E13	5677
SC250M2	56026
SC250M3	56026
SC250M4	5679
SC250M5	5679◆
SC251B	5688
SC251B4	5679
SC251D	5689
SC251D4	5679
SC251E	5690
SC251M	5690
SC260B	5693
SC260B2	56022
SC260B3	56022
SC260B4	5679
SC260B5	5679◆
SC260D	5695
SC260D2	56024
SC260D3	56024
SC260D4	5679
SC260D5	5679◆
SC260E	5697
SC260E2	56026
SC260E3	56026
SC260E4	5679
SC260E5	5679◆
SC260M	5697
SC260M2	56026
SC260M3	56026
SC260M4	5679
SC260M5	5679◆
SC261B	5688
SC261B4	5679
SC261D	5689
SC261D4	5679
SC261E	5690
SC261M	5690
SC265B	5693
SC265B2	56022
SC265B3	56022
SC265B3X50	56022
SC265B4	5679
SC265B5	5679◆
SC265D	5695
SC265D2	56024
SC265D3	56024
SC265D3X50	56024
SC265D4	5679
SC265D5	5679◆
SC265E	5697
SC265E2	56026
SC265E3	56026
SC265E3X50	56026
SC265E4	5679
SC265E5	5679◆
SC265M	5697
SC265M2	56026
SC265M3	56026
SC265M3X50	56026
SC265M4	5679
SC265M5	5679
SC266B	5688
SC266D	5689
SC266E	5690
SC266M	5690
SC305	116
SC350	123A
SC365	129
SC400Y	124
SC441	198
SC515OP	755
SC609	237
SC727	124
SC-727	124
SC741T	941
SC777	124
SC785	123
SC786	161
SC821	137A
SC821A	137A
SC823	137A
SC823A	137A
SC825	137A
SC825A	137A
SC827	137A
SC827A	137A
SC829	137A
SC829A	137A
SC-832	123A
SC832	123A
SC842	123A
SC843	129
SC843(T.I.)	154
SC1001	123A
SC1007	160
SC1010	123A
SC-1016	519
SC1042	295
SC1168G	123A
SC1168H	123A
SC1182	914
SC1227F	108
SC1227G	108
SC1229E	128
SC1229G	123A
SC1294H	129
SC1414	116
SC1431	116
SC1431(GE)	177
SC1611	464§
SC1612	464§
SC1613	464§
SC1614	464§
SC1631	116
SC1631(GE)	116
SC1940G	704
SC2000	76
SC2308	289A
SC2600	77
SC2914	725
SC2914P	725
SC-4004	124
SC4004	124
SC4010	123A
SC-4044	123A
SC4044	123A
SC4073	410/103A§
SC4116	116
SC4131	411/128
SC-4131	124
SC4131-1	411/128
SC-4131-1	124
SC4133	184
SC4167	411/128
SC-4167	124
SC4244	411/128
SC-4244	123A
SC4274	131
SC4303	152
SC4303-1	152
SC4303-2	152
SC4308	152
SC5116L	725
SC5116P	725
SC5118P	720
SC5150P	735
SC5150R	735
SC5170	993
SC5172P	719
SC5175G	941
SC5177P	718
SC5182P	720
SC5199P	718
SC5204P	798
SC5221P	755
SC5245P	748A
SC5279P	779A
SC5282P	117§
SC5425P	748A
SC5740PQ	722
SC5741P	720
SC5743P	722
SC5747	799
SC8705P	722
SC8707	782§
SC8707P	782§
SC8718	748A
SC8718P	748A
SC8744	748A
SC8780P	853
SC9314P	718
SC9426P	722
SC9430P	747
SC9431P	749
SC9436P	712
SC9455P	722
SC9536P	747
SC9537P	779A
SC9578P	814A§
SC9961P	OBS-NLA
SC9963P	9924§
SC9964P	9976
SC9965P	9989
SC17063L	725
SC20575	703
SC25422P	833
SC42502P	991
SC42663P	991
SC702300P	747
SC70231P	746
SC71109P	833
SC71288P	2030
SC74087P	831§
SC74577P	960
SCA05	116
SCA1	116
SCA2	116
SCA3	116
SCA4	116
SCA5	116
SCA6	116
SCA8	125
SCA10	125
SCA42	287
SCA43	287
SCA44	287
SCA45	287
SCA-45A	513§
SCA45A	513§
SCA92	288
SCA95	383
SCA1103	116
SCA3021	316
SCA3022	161
SCA3235	161
SCA3236	161
SCA3237	161
SCA3238	161
SCA3239	161
SCA3240	161
SCA3242	161
SCA3243	161
SCA3244	161
SCA3246	161
SCA3521	128
SCAJ05	5312◆
SCAJ1	5312◆
SCAJ2	5313◆
SCAJ3	5314◆
SCAJ4	5314◆
SCAJ6	5315◆
SCB3E	5324
SCB32	5322
SCBA05	5322
SCBA-1	5322
SCBA1	5322
SCBA-2	5322
SCBA2	5322
SCBA4	5324
SCBA-4	5324
SCBA-6	5326
SCBA6	5326
SCBA-8	5327
SCBE05	5322
SCBE1	5322
SCBE2	5322
SCBE3	5324
SCBE4	5324
SCBE6	5326
SCBR05F	125
SCBR1F	125
SCBR6	156
SCBR6F	125
SCBR10	156
SCC250M	5677
SCC321	181
SCC421	180
SCD11B1	3084
SCD11B2	3084
SCD11B3	3084
SCD255	3083
SCD-1062013	9158
SCD T320	130
SCD T322	123A
SCD T326	159
SCD T330	152
SCD T334	153
SCDT323	123A
SCE1	116
SCE2	116
SCE4	116
SCE6	116
SCE8	125
SCE10	125
SCF40501	755
SCI44191005	128
SCI44103053	128
SCI444204037	129
SCI444291004	129
SCI(PHILCO)	230
SCI(SCR)	230
SCITT310YXXXX	613
SCITT410STXXX	614
SCL-11Z	544
SCL-11Z2B	544
SCL-12	5402◆
SCL4000	4000
SCL4000AE	4000
SCL4000BE	4000
SCL4001	4001B
SCL4001AE	4001B
SCL4001BE	4001B
SCL4002AE	4002B
SCL4002BE	4002B
SCL4006	4006B
SCL4006ABE	4006B
SCL4006BE	4006B
SCL4007UBE	4007
SCL4008	4008B
SCL4008BE	4008B
SCL4009UBE	4049
SCL4010BE	4050B
SCL4011AE	4011B
SCL4011BE	4011B
SCL4012AE	4012B
SCL4012BE	4012B
SCL4013AE	4013B
SCL4013BE	4013B
SCL4014AE	4014B
SCL4014BE	4014B
SCL4015AE	4015B
SCL4015BE	4015B
SCL4016BE	4016B
SCL4017AE	4017B
SCL4017BE	4017B
SCL4018	4018B
SCL4018AE	4018B
SCL4018BE	4018B
SCL4019AE	4019B
SCL4020AE	4020B
SCL4021AE	4021B
SCL4021BE	4021B
SCL4022	4022B
SCL4022ABE	4022B
SCL4022AE	4022B
SCL4022BE	4022B
SCL4023AE	4023B
SCL4023BE	4023B
SCL4024AE	4024B
SCL4024BE	4024B
SCL4025AE	4025B
SCL4025BE	4025B
SCL4026AB	4026B
SCL4026ABC	4026B
SCL4026ABD	4026B
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SDJ345	152
SDJ445	153
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SDL06N01PS02	5818
SDL06N01PS05	5818
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SDL40R06PS02	6011
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SDL40R06PS10	6011
SDL345	152
SDL445	242
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SDM445	153
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SDM4004	249
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SDM4006	249
SDM4010	247
SDM5001	251
SDM5002	251
SDM5003	251
SDM5004	251
SDM5005	251
SDM5006	251
SDM5010	98
SDM5011	98
SDM5012	98
SDM5013	98
SDM21301	271
SDM21302	244
SDM21303	271
SDM21311	246
SDM21312	246
SDN201	261
SDN345	152
SDN401	274
SDN445	153
SDN501	263
SDN601	246
SDN6000	98
SDN6060	98
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SDN6062	98
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SDN6253	98
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SDN22312	97
SDN22313	97
SDP251	262
SDP451	275
SDP8406	3034A
SDP8406-1	3034A
SDR25	116
SDS113	116
SDS-113	116
SDS240	161
SDS420	161
SDT06	601
SDT401	162
SDT402	389
SDT-410	162
SDT410	94
SDT411	94
SDT-411	385
SDT413	162
SDT-413	283
SDT-423	163A
SDT423	385
SDT424	389
SDT-430	385
SDT431	385
SDT-445	153
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SDT1618	385
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SDT6011	152
SDT6013	152
SDT6031	152
SDT6103	152
SDT6901	384
SDT6905	384
SDT7011	73§
SDT7012	73§
SDT7013	73§
SDT7014	73§
SDT7015	73§
SDT7016	73§
SDT7140	73§
SDT7141	73§
SDT7150	73§
SDT7151	73§
SDT7152	73§
SDT7154	73§
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SDT7419	2347
SDT7511	152
SDT7512	152
SDT7514	152
SDT7515	152
SDT8002	71
SDT8003	71
SDT8012	71◆
SDT8013	71◆
SDT8015	71◆
SDT8016	71◆
SDT8045	71
SDT8070	71◆
SDT8071	71◆
SDT8301	70
SDT8302	70
SDT8303	70◆
SDT8304	70◆
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SDT9208	284
SDT9209	284
SDT9210	130
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SDT9301	130
SDT9302	130
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SDT9304	130
SDT9305	130
SDT9306	130
SDT9307	130
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SDT9701	181
SDT9704	181
SDT9707	181
SDT9901	284
SDT9902	284
SDT9903	284
SDT9904	284
SDT85501	2347
SDT85502	2347
SDT85503	2347
SDT85506	2347
SDT85507	2347
SDT85508	2347
SDT96304	387
SDTb52	282§
SD-W005M	5304
SD-W04	167
SD-Y	116
SE0	125
SE-0.5A	5804
SE-0.5B	116
SE05	116
SE-05	116
SE-05-01	116
SE-05-2	5809
SE05A	5804
SE-05A	116
SE05B	116
SE05C	125
SE-05C	156
SE05D	116
SE05S	116
SE05SS	116
SE-05X	116
SE-0566	123A
SE0S-01	116
SE-1.5A	156
SE-2	116
SE-5	116
SE5-0127	199
SE5-0128	123A
SE5-0247-C	519
SE5-0249	161
SE5-0250	161
SE5-0253	123A
SE5-0274	123A
SE5-0366	194
SE5-0367	123A
SE5-0370	159
SE-5-0399	127
SE5-0399	127
SE5-0452	128
SE5-0456	519
SE5-0565	199
SE5-0567	123A
SE5-0569	199
SE5-0608	123A
SE5-0618	123AP
SE5-0745	194
SE5-0798	159
SE-5-0819	102
SE5-0831	159
SE5-0848	123A
SE5-0854	123A
SE5-0855	123A
SE5-0887	123A
SE5-0888	123A
SE5-0909	234
SE5-0938	199
SE5-0938-54	123A
SE5-0938-55	199
SE5-0938-56	199
SE5-0938-57	199
SE5-0949	159
SE5-0958	128
SE5-0963	152
SE5-0964	153
SE5-0966	177
SE5-0996	312
SE5-1057	159
SE5-1223	159
SE6	116
SE6(DUAL)	115
SE15B	156
SE15C	156
SE15D	156
SE30B26A	116
SE46	116
SE50	229
SE74LS279	74LS279
SE74LS279N	74LS279
SE303ACK	3017
SE500G	108
SE504	108
SE521	108
SE555V	955M
SE-1001	229
SE1001	161
SE1001-1	229
SE1001-2	229
SE-1002	123A
SE1002	161
SE1002-1	161
SE1002-2	161
SE1010	161
SE1012	192§
SE-1019	108
SE1019	108
SE1044	108
SE-1044	108
SE1331	123A
SE-1331	123A
SE-1419	108
SE1419	108
SE1730	125
SE-2001	123A
SE2001	161
SE2002	161
SE2020	107
SE2397	107
SE2400	160
SE2401	123A
SE2402	123A
SE-3001	108
SE3001	161
SE3001R	108
SE3001Y	108
SE3002	161
SE-3002	108
SE3003	108
SE-3005	108
SE3005	161
SE-3019	108
SE3019	161
SE3030	162
SE3031	162
SE3032	280
SE3033	130
SE-3033	130
SE3034	224
SE-3034	224
SE3035	130
SE3036	130
SE3040	384
SE3041	384
SE-3646	123A
SE3819	312
SE-4001	123A
SE4001	123A
SE4002	123A
SE-4002	123A
SE4010	123A
SE-4010	123A
SE4020	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SE4021	161
SE4022	161
SE4172	123A
SE-5001	108
SE5001	161
SE5002	161
SE-5002	108
SE-5003	108
SE5003	161
SE5004	161
SE5006	108
SE-5006	123A
SE-5006-14	108
SE5010	108
SE5015	108
SE-5020	108
SE5020	161
SE-5021	108
SE5021	161
SE5022	161
SE-5023	161
SE5023	161
SE5024	161
SE-5025	161
SE5025	229
SE5029	108
SE5030	108
SE5030A	123A
SE5030B	123A
SE5031	108
SE5032	161
SE5035	161
SE5036	108
SE5040	108
SE5050	161
SE-5050	108
SE5051	161
SE5052	161
SE5055	319P
SE5056	108
SE5151	123A
SE5315	222
SE5401C	6240
SE5402C	6240
SE5403C	6240
SE5450	3028
SE-5450-1	3028
SE-5450-2	3028
SE-5450-3	3028
SE-5451-1	3028
SE-5451-2	3028
SE-5451-3	3028
SE6001	128
SE-6001	123A
SE-6002	123A
SE6002	161
SE6006	128
SE6010	123A
SE6020	123A
SE6020A	128
SE6021	128
SE6021A	128
SE6022	128
SE6023	128
SE-7001	103A
SE7001	154
SE7002	154
SE7005	128
SE7006	124
SE7010	154
SE7015	128
SE7016	154
SE7017	154
SE7020	124
SE7030	124
SE7050	154
SE7055	154
SE7056	154
SE-8001	128
SE8001	128
SE8002	128
SE8010	128
SE-8010	128
SE8012	128
SE8040	123A
SE8041	128
SE8042	128
SE8510	128
SE8520	128
SE8521	128
SE8540	129
SE8541	129
SE8542	129
SE9002	130
SE9020	162
SE9080	130
SE9300	263
SE9301	263
SE9302	263
SE9303	245
SE9304	245
SE9305	247
SE9400	264
SE9401	264
SE9402	264
SE9403	246
SE9404	246
SE9405	248
SE9500	152
SE9560	218
SE9561	218
SE9562	218
SE9563	218
SE-40022	121
SE40022	121
SE50399	127
SEC1078	192§
SEC1079	192§
SEC1477	192§
SEC1479	192§
SEI510	3052
SEI511	3056
SEL1120R	3166
SEL1320G	3167
SEL1720Y	3168
SELEN-26	113A
SELEN-30	502
SELEN-38	113A
SELEN-40	505
SELEN-42	120
SELEN-44	166
SELEN-48	119
SELEN-52	503
SELEN-58	502
SELEN-70	116
SELEN-92	506
SELEN-701	116
SEN2A1	166
SEN2A2	167
SEN2A4	168
SEN2A6	169
SEN2A8	170
SEN2A10	170
SEN3A1	5309
SEN3A2	5309
SEN3A4	5310
SEN3A6	5310
SEN3A8	5311
SEN105	116
SEN110	116
SEN120	116
SEN130	116
SEN140	116
SEN150	116
SEN160	116
SEN180	125
SEN205	125
SEN210	125
SEN220	125
SEN230	125
SEN240	125
SEN250	125
SEN260	125
SEN280	108
SEN1100	125
SEN2100	125
SES632	130
SES881	130
SES3819	312
SES5401	597
SES5401C	6240
SES5402	597
SES5402C	6240
SES5403	597
SES5403C	6240
SES5404	597
SES5501	599
SES5502	599
SES5503	599
SES5504	599
SF0R1B42(GAK)	5402
SF0R1B42(G1(GAK)	5402
SF0R1D42(GAK)	5404
SF0R1G42(GAK)	5405
SF0R2B41	5402
SF0R-2B41	5404
SF0R2B41(GAK)	5402
SF0R2D41	5404
SF0R2D41(GAK)	5404
SF0R2G41	5405
SF0R2G41(GAK)	5405
SF0R3B42(GAK)	5402
SF0R3D42(GAK)	5404
SF0R3G42-1G5(GAK)	5405
SF0R3G42(GAK)	5405
SF0R3J42(GAK)	5406
SF0R5B43	5402
SF0R5D43	5404
SF0R5G43	5405
SF0R5J43	5406
SF-1	525
SF1	506
SF1A11	5412
SF1A11A	5412
SF1B11	5413
SF1B11A	5413
SF1CN1	125
SF1D11	5414
SF1D11A	5414
SF1R3B41	5454
SF1R3D41	5455
SF1R3G41	5457
SF1RG41	5457
SF2B41	5454
SF2D41	5455
SF2G41	5457
SF2J41	5458
SF2R5B42	5456
SF2R5D42	5457
SF2R5G42	5458
SF3B12	5482§
SF3B14	5511
SF3B41	5462
SF3B42	5454
SF3BZ47	5440
SF3CN1	125
SF3D12	5483§
SF3D14	5511
SF3D41	5463
SF3D41A	5463
SF3D42	5455
SF3G12	5487§
SF3G14	5512
SF3G41	5465
SF3G41A	5465
SF3G42	5457
SF3GZ47	5440
SF3J41	5466
SF3J41A	5466
SF3J42	5458
SF3JZ47	5440
SF4	125
SF4CN1	125
SF5	125
SF5A11	5481§
SF5B12	5482§
SF5B13	5482§
SF5B41	5462
SF5B42	5426
SF5BZ47	5440
SF5D12	5483§
SF5D13	5483§
SF5D41	5463
SF5D41A	5463
SF5D42	5426
SF5F12	5485§
SF5F13	5485§
SF5G12	5485§
SF5G13	5485§
SF5G41	5465
SF5G41A	5465
SF5G42	5426
SF5GZ47	5440
SF5J12	5487§
SF5J13	5487§
SF5J41	5466
SF5J41A	5466
SF5JZ47	5440
SF5Z11	5481§
SF6	125
SF8B41	5462
SF8BZ47	5440
SF8D41	5463
SF8D41A	5463
SF8G41	5465
SF8G41A	5465
SF8GZ47	5440
SF8J41	5466
SF8J41A	5466
SF8JZ47	5440
SF10-005	587
SF10-01	587
SF10-02	587
SF10-015	587
SF10A11	5501
SF10B11	5502
SF10B12	5522
SF10B13	5502
SF10B41	5552
SF10BZ47	5440
SF10C11	5504
SF10D11	5504
SF10D12	5524
SF10D13	5504
SF10D41	5552
SF10D41A	5552
SF10E11	5507
SF10F11	5507
SF10F12	5527
SF10F13	5507
SF10G11	5507
SF10G12	5527
SF10G13	5507
SF10G41	5554
SF10G41A	5554
SF10GZ47	5440
SF10H11	5509
SF10J11	5529
SF10J12	5529
SF10J13	5509
SF10J41	5556
SF10J41A	5556
SF10JZ47	5440
SF10L11	5531
SF10L12	5531
SF10L13	5531
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SF16D13	5524
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SF16F11	5527
SF16F12	5527
SF16F13	5527
SF16G11	5527
SF16G12	5527
SF16G13	5527
SF16G14	5554
SF16H11	5529
SF16J11	5529
SF16J12	5529
SF16J13	5529
SF16L11	5531
SF16L12	5531
SF16L13	5531
SF16Z11	5521
SF20-005	588
SF20-01	588
SF20-02	588
SF20-015	588
SF21	588
SF22	588
SF23	588
SF24	588
SF25	576◆
SF26	576◆
SF30-005	588
SF30-01	588
SF30-02	588
SF30-015	588
SF30D13	5567‡
SF30F13	5568‡
SF30G13	5568‡
SF30J13	5568‡
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SF30N13	5569‡
SF30Q13	5569‡
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SF32	588
SF33	588
SF34	588
SF35	576
SF36	576
SF50-005	576
SF50-01	576
SF50-02	576
SF50-015	576
SF50D12	5567
SF50D13	5567‡
SF50F13	5568‡
SF50G12	5568
SF50G13	5568‡
SF50J12	5568
SF50J13	5568‡
SF50L12	5569
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SF50N13	5569‡
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SF80L13	5574
SF80N13	5574
SF80Q13	5574
SF81	597
SF82	597
SF83	597
SF84	597
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SF86	598
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SFC4193E	74193
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SF.T352	158
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SG-5P	156
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SG105SL	3105
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SG320K-15	1919
SG323	116
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SG337P	957
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SG340K-24	1924
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SG340P-24	972
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SG353-05K	931◆
SG353K-12	933◆
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SG608AA	276
SG609	279A
SG609-3	279A
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SG613-3	276
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SG711CT	911
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SG741CD	941D
SG741CM	941M
SG741CN	941D
SG741CT	941
SG747CD	947D
SG747CN	947D
SG747CT	947
SG-805	116
SG805	5808
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SG1468J	921
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SG1488J	75188
SG1488N	75188
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SG1489J	75189
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SG2003N	2013
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SG2014	2014
SG2015	2015
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SG2183	103A + 102A(CP)
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SG2803N	2018
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SG2811N	2016
SG2812N	2017
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SG3046J	912
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SG3058	914
SG3059	914
SG3079	914
SG3081J	916
SG3081N	916
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SG3083	929
SG3083N	929
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SG3183	177
SG3198	177
SG3243	987
SG3400	116
SG3401J	992
SG3401N	992
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SG3516	177
SG3524	1720
SG3524B	1720
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SG3524N-B	1720
SG3525A	1721
SG3526	1722
SG3526A	1722
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SG3527A	1723
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SG3842M	7096
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SG3851N	2011
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SIB-0102	116
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SIB101-01	116
SIB101-02	116
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SID02K	125
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SIG01-06	5995‡
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SiG1/600	116
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SiG1/800	5808
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SIH31-01R	6154‡
SIH31-03	6155‡
SiH31-03R	6154‡
SIH31-06	6157‡
SIH31-06R	6156‡
SIH31-10	6159‡
SIH31-10R	6158‡
SIH31-12	6163‡
SIH31-12R	6162‡
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SI-HA11235	1550
SI-HA11580	1196
SI-HD14011BP	4011B
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SIIR3N06XXXX	853
SIL31-01	6355‡
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SIL31-03R	6354‡
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SIL31-10R	6358‡
SIL31-12	6363‡
SIL31-12R	6362‡
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SIL200	116
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SIL4035	4035B
SIL4043	4043B
SIL4044	4044B
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SIL4511	4511B
SIL4514	4514B
SIL4515	4515B
SIL4516	4516B
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SILC4069UBXXX	4069
SILC40992XXXX	1691
SI-LM393N	943M
SI-LM393P	943M
SI-LM3065N	712
SILM8560BXXXX	2062
SIM22ST	3029A
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SI-MC1352P	749
SI-MC1353P	1080§
SI-MC1358P	712
SI-MC1364P	783§
SI-MC14011BCP	4011B
SIN01-01	6107‡
SIN01-01R	6106‡
SIN01-03	6107‡
SIN01-03R	6106‡
SIN01-06	6107‡
SIN01-06R	6106‡
SIN01-10	6107‡
SIN01-10R	6106‡
SIN01-12	6107‡
SIN01-12R	6106‡
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SIPS020	5562
SIPS025	5562
SIPS035	5562
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SIPS635	5566
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SIPT430AB	56024
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SIPT430BC	56024
SIPT430C	56024
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SIPT640	56026
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SIPT640AB	56026
SIPT640B	56026
SIPT640BC	56026
SIPT640C	56026
SIR20	552
SIR56SB3	3017
SIR56ST3	3017
SIR60	552
SIR-80	116
SIR80	558
SIR100	558
SIR150	558
SIRB-10	166
SIRBA	116(4)
SI-RECT-044	116
SI-RECT-2	116
SIRECT-2	116
SI-RECT-25	116
SI-RECT-27	116
SI-RECT-33	116
SI-RECT-34	116
SI-RECT-35	177
SI-RECT-36	506
SIRECT-36	116
SI-RECT-37	116
SI-RECT-39	116
SI-RECT-44	506
SI-RECT-48	116
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SI-RECT-49	116
SI-RECT-53	116
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SI-RECT-69	116
SI-RECT-73	116
SI-RECT-74	116
SI-RECT-75	116
SI-RECT-77	116
SI-RECT-84	116
SIRECT-92	116
SI-RECT-92	116
SI-RECT-94	116
SI-RECT-100	116
SI-RECT-102	116
SIRECT-102	116
SI-RECT-102A	125
SI-RECT-110	156(4)
SI-RECT-110/SB-3F	116
SI-RECT-112	156(4)
SI-RECT-112/SB-3	156
SI-RECT-114	506
SI-RECT-122	116
SI-RECT-124	506
SI-RECT-136	125
SI-RECT-140/TR-6	137A
SI-RECT-140/TR6S	5070A
SI-RECT-144	116
SI-RECT-152	177
SI-RECT-154	116
SI-RECT-155	116
SI-RECT-156	116
SI-RECT-162	506
SI-RECT-168	5010A
SI-RECT-170	506
SI-RECT-174	113A
SI-RECT-178	115
SI-RECT-178B	115
SI-RECT-178BF	113A
SI-RECT-180	506
SI-RECT-204	125
SI-RECT-206	506
SI-RECT-208	156
SI-RECT-218	116
SI-RECT-222	116
SI-RECT-224	506
SI-RECT-226	116
SI-RECT-228	142A
SI-RECT-230	142A
SIRM-2C	125
SIR-RECT-44	116
SIS20	109
SiSC141C	5635
SiSC141D	5635
SiSC141E	5637
SiSC141M	5637
SiSC143C	5635
SiSC143D	5635
SiSC143E	5637
SiSC143M	5637
SiSC146C	5635
SiSC146D	5635
SiSC146E	5637
SiSC146M	5637
SiSC149C	56006
SiSC149D	56006
SiSC149E	56008
SiSC149M	56008
SiSC149N	56010
SiSC149S	56010
SISD-1	506
SISD-1HF	125
SISD-1X	116
SISD-K	116
SISM-150-01	116
SI-SN74145N	74145
SI-SN76650N	749
SISW-05-02	116
SISW-0502	116
SiT4/50	5481§
SiT4/100	5482§
SiT4/200	5483§
SiT4/300	5485§
SiT4/400	5485§
SiT20/50	5541
SiT20/100	5542
SiT20/200	5543
SiT20/300	5545
SiT20/400	5545
SIT51B096-5	116(4)
SIT51B096-7	116(6)
SIT51B096-9	177
SI-TA7074P	749
SI-TA7075P	1080§
SI-TA7611P-S	1413
SITDA4601	7002
SITVR-06G	552
SI-UPC393C	943M
SI-UPC574J	615A
SI-UPC580C	1196
SI-UPC1031H	1245
SI-UPC1360C	1520
SJ051A	5940
SJ051E	116
SJ051F	116
SJ052A	5940
SJ052E	116
SJ052F	116
SJ053E	5850
SJ053EK	5870
SJ053F	5800
SJ053K	5850
SJ054E	5870
SJ054EK	5870
SJ054K	5870
SJ60F	116
SJ101A	5834
SJ101F	116
SJ102A	5834
SJ102F	116
SJ103E	5854
SJ103EK	5874
SJ103F	5801
SJ103K	5854
SJ104E	5870
SJ104EK	5874
SJ104K	5870
SJ130	124
SJ201A	5834
SJ201F	116
SJ202A	5834
SJ202F	116
SJ203E	5854
SJ203EK	5874
SJ203F	5802
SJ203K	5854
SJ204E	5870
SJ204EK	5874
SJ204K	5870
SJ285	185
SJ301F	116
SJ302F	116
SJ304EK	5878
SJ401F	116
SJ402F	116
SJ403F	5804
SJ404EK	5878
SJ501F	116
SJ-570	116
SJ570	123A
SJ601F	116
SJ603	5882
SJ603E	5882
SJ603EK	5882
SJ603F	5806
SJ603K	5882
SJ604	5882
SJ604E	5882
SJ604EK	5882
SJ604K	5882
SJ619	130
SJ619-1	130
SJ652	218
SJ803F	5808
SJ805	124
SJ806	124
SJ811	175
SJ820	130
SJ821	219
SJ822	218
SJ954	219
SJ1000F	5809
SJ1003F	156
SJ1106	130
SJ1152	153
SJ1165	124
SJ1171	153
SJ1172	175
SJ1201	124
SJ1272	180
SJ1284	153
SJ1286	124
SJ1470	130
SJ1854	2319
SJ1902	247
SJ1903	248
SJ1931	219
SJ1936	249
SJ1937	250
SJ2000	130
SJ2001	219
SJ2008	130
SJ2009	218
SJ2023	180
SJ2024	180

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SJ2031	129
SJ2032	128
SJ2047	68
SJ2064	388
SJ2086	247
SJ2087	248
SJ2095	175
SJ2320	61
SJ2500	60
SJ2501	61
SJ2513	284
SJ2514	285
SJ2517	181
SJ2518	180
SJ2519	284
SJ2520	285
SJ2585	292
SJ2665	130
SJ2741	162
SJ2760	130
SJ2822	198
SJ2914	165
SJ3352	163A
SJ3408	384
SJ3423	162
SJ3436	285
SJ3447	175
SJ3464	130
SJ3477	162
SJ3478	162
SJ3507	180
SJ3519	181
SJ3520	219
SJ3604	130
SJ3636	180
SJ3637	180
SJ3648	175
SJ3678	184
SJ3679	219
SJ3680	175
SJ3721	130
SJ4053	2350
SJ4054	2349
SJ4076	52
SJ4140	284◆
SJ4155K	252
SJ4353	130
SJ4682	2319
SJ4700	246
SJ4800	385
SJ4810	283
SJ4945	386◆
SJ5168	181
SJ5196	162
SJ5216	181
SJ5257	385
SJ5286	250
SJ5287	249
SJ5291	130
SJ5461	130
SJ5475	124
SJ5525	164
SJ5526	165
SJ5589	182§
SJ5750	2319
SJ5844	284
SJ5844K	284
SJ6009	2349
SJ6257	139
SJ6343	388
SJ6344	386
SJ6357	284
SJ6369	60
SJ6387	388
SJ6422	98
SJ6451	388
SJ6501	2319
SJ6856	180
SJ6868	181
SJ6916	165
SJ7243	94
SJ7269	283
SJ7280	52
SJ7289	386
SJ7343K	249
SJ7349	327
SJ7412	2319
SJ7412-005	2319
SJ7470	130
SJ8165K	130
SJ8701	130
SJ9017	60
SJ9018	61
SJ9094	53
SJ9110	130
SJ9215	388
SJ9216	68
SJ9282	68
SJ10003EK	5890
SJE42	152
SJE100	184
SJE103	190
SJE106	184
SJE108	185
SJE111	185
SJE112	185
SJE113	184
SJE114	185
SJE133	184
SJE202	185
SJE203	184
SJE205	157
SJE210	185
SJE211	184
SJE218	157
SJE220	182§
SJE221	185
SJE222	184
SJE227	185
SJE228	184
SJE229	184
SJE231	185
SJE232	157
SJE237	184
SJE241	185
SJE242	184
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SJE244	184
SJE245	185
SJE246	184
SJE248	184
SJE253	184
SJE254	184
SJE255	184
SJE256	185
SJE257	185
SJE261	184
SJE262	184
SJE264	180
SJE265	185
SJE267	185
SJE271	184
SJE272	184
SJE273	185
SJE274	184
SJE275	185
SJE276	185
SJE277	185
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SJE280	184
SJE283	185
SJE284	184
SJE288	185
SJE289	184
SJE290	157
SJE305	184
SJE320	184
SJE340	184
SJE400	157
SJE401	184
SJE402	184
SJE403	185
SJE404	184
SJE405	185
SJE407	185
SJE408	185
SJE482	235
SJE513	152
SJE-513	152
SJE514	153
SJE-515	152
SJE515	152
SJE516	182§
SJE517	183§
SJE527	184
SJE583	184
SJE584	185
SJE587	182§
SJE607	185
SJE608	184
SJE633	185
SJE634	184
SJE-649	184
SJE667	184
SJE669	184
SJE712	183§
SJE719	197
SJE721	184
SJE723	185
SJE724	184
SJE736	185
SJE737	184
SJE743	185
SJE764	180
SJE768	185
SJE769	184
SJE781	184
SJE783	152
SJE784	184
SJE785	184
SJE797	185
SJE799	185
SJE801	184
SJE802	157
SJE908	157
SJE1032	190
SJE1349	331
SJE1459	182§
SJE1518	185
SJE1519	184
SJE1520	184
SJE1601	331
SJE1692	196
SJE2003	182§
SJE2035	157
SJE2789	262
SJE3754	157
SJE5018	182§
SJE5019	182§
SJE5020	182§
SJE-5038	186
SJE5300	54
SJE5340	262
SJE5402	184
SJE-5402	186
SJE5437	241
SJE5439	241
SJE5441	241
SJE5442	242
SJE5472-1	157
SJE5517	184
SJE7078	2315
SJF1014	2353
SK01	125
SK04	125
SK08	125
SK-1B	116
SK1FM	116
SK1K-2	116
SK1K-8	116
SK1R-4	116
SK1R-7	116
SK-1W50	5089A
SK1W55	148A
SK-1W55	5090A
SK-1WS0	109
SK2A4	5000A
SK2A5	5001A
SK2A7	5002A
SK2A8	5003A
SK2V7	5063A
SK3A0	5004A
SK3A3	5005A
SK3A6	5006A
SK3A9	5007A
SK3V0	5065A
SK3V3	5066A
SK3V6	134A
SK3V9	5067A
SK3X3	5111A
SK3X6	5112A
SK3X9	5113A
SK4A3	5008A
SK4A7	5009A
SK4V3	5068A
SK4V7	5069A
SK4X3	5114A
SK4X7	5115A
SK5A1	5010A
SK5A6	5011A
SK5V1	135A
SK5V6	136A
SK5X1	5116A
SK5X6	5117A
SK6A0	5012A
SK6A2	5013A
SK6A8	5014A
SK6V0	5070A
SK6V2	137A
SK6V8	5071A
SK6X0	5118A
SK6X2	5119A
SK6X8	5120A
SK7	101
SK-7	101
SK7A5	5015A
SK7C00	74HC00
SK7C02	74HC02
SK7C04	74HC04
SK7C08	74HC08
SK7C10	74HC10
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SK7C154	74HC154
SK7C161	74HC161
SK7C163	74HC163
SK7C164	74HC164
SK7C165	74HC165
SK7C173	74HC173
SK7C174	74HC174
SK7C175	74HC175
SK7C240	74HC240
SK7C244	74HC244
SK7C257	74HC257
SK7C259	74HC259
SK7C273	74HC273
SK7C299	74HC299
SK7C373	74HC373
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SK7C377	74HC377
SK7C390	74HC390
SK7C393	74HC393
SK7C573	74HC573
SK7C574	74HC574
SK7C4020	74HC4020
SK7C4040	74HC4040
SK7C4053	74HC4053
SK7C4060	74HC4060
SK7C4067	74HC4067
SK7C40105	74HC40105
SK7CT00	74HCT00
SK7CT04	74HCT04
SK7CT08	74HCT08
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SK7CT32	74HCT32
SK7CT138	74HCT138
SK7CT161	74HCT161
SK7CT163	74HCT163
SK7CT174	74HCT174
SK7CT240	74HCT240
SK7CT244	74HCT244
SK7CT273	74HCT273
SK7CT373	74HCT373
SK7CT374	74HCT374
SK7CT573	74HCT573
SK7CT574	74HCT574
SK7V5	138A
SK7X5	5121A
SK8A2	5016A
SK8A7	5017A
SK8V2	5072A
SK8V7	5073A
SK8X2	5122A
SK8X7	5123A
SK9A1	5018A
SK9V1	139A
SK9X1	5124A
SK10A	5019A
SK10V	140A
SK10X	5125A
SK11A	5020A
SK11V	5074A
SK11V5	141A
SK11X	5126A
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SK12V	142A
SK12X	5127A
SK13A	5022A
SK13V	143A
SK13X	5128A
SK14A	5023A
SK14V	144A
SK14X	5129A
SK15A	5024A
SK15V	145A
SK15X	5130A
SK16A	5025A
SK16V	5075A
SK16X	5131A
SK17A	5026A
SK17V	5076A
SK17X	5132A
SK18A	5027A
SK18V	5077A
SK18X	5133A
SK19	312
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SK19V	5078A
SK19X	5134A
SK20A	5029A
SK20V	5079A
SK20X	5135A
SK22A	5030A
SK22V	5080A
SK22X	5136A
SK24A	5081A
SK24V	5081A
SK24X	5137A
SK25A	5032A
SK25V	5082A
SK25X	5138A
SK27A	5033A
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SK28V	5083A
SK28X	5140A
SK30A	5035A
SK30V	5084A
SK33A	5036A
SK33V	147A
SK33X	5142A
SK36A	5037A
SK36V	5085A
SK36X	5143A
SK39A	5038A
SK39V	5086A
SK39X	5144A
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SK43V	5087A
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SK47V	5088A
SK47X	5146A
SK51A	5041A
SK51V	5089A
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SK55V	148A
SK56A	5042A
SK56V	5090A
SK56X	5148A
SK60A	5043A
SK60V	5091A
SK60X	5149A
SK62A	5044A
SK62V	149A
SK62X	5150A
SK68A	5045A
SK68V	5092A
SK68X	5151A
SK74C02	74C02
SK74C04	74C04
SK74C10	74C10
SK74C20	74C20
SK74C30	74C30
SK74C32	74C32
SK74C48	74C48
SK74C73	74C73
SK74C76	74C76
SK74C93	74C93
SK74C95	74C95
SK74C107	74C107
SK74C151	74C151
SK74C154	74C154
SK74C157	74C157
SK74C161	74C161
SK74C164	74C164
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SK622	5296A
SK623	5296AK
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SK821	8070
SK827	8076
SK832	8081
SK836	8085
SK841	8090
SK847	8096
SK849	8098
SK854	8103
SK859	8108

◆, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
SK866	8115
SK869	8118
SK876	8125
SK890	8139
SK900	8149
SK901	8213
SK914	8226
SK930	8242
SK948	8167
SK952	8181
SK1320	108
SK1639	159
SK1639D	159
SK1640	159
SK1640A	123A
SK1641	123A
SK1700	716§
SK1856	159
SK1856A	159
SK1900	6821
SK1901	6800
SK1911	2053
SK1912	2732
SK1914	74S157
SK1915	74S153
SK1917	74S02
SK1918	74LS374
SK1919	74LS251
SK1920	74LS21
SK1921	74LS197
SK1922	74LS173
SK1923	74LS158
SK1924	74LS09
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SK2002	3002
SK2003	3003
SK2004	3004
SK2005	3005§
SK2006	3006§
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SK2171	3130
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SK3004	102A
SK3006	160
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SK3009	121
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SK3019	316
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SK3425	5159A
SK3427	5161A
SK3428	5162A
SK3429	5163A
SK3430	5164A
SK3431	5165A
SK3432	5166A
SK3433	287
SK3434	288
SK3434A	123A
SK3435	1028
SK3436	1028
SK3440	291
SK3441	292
SK3442	308P
SK3443	513§
SK3444	123A
SK3445	1192
SK3446	1097
SK3449	297
SK3450	298
SK3451	807
SK-3451	807
SK3452	108
SK3453	742
SK-3453	742
SK-3454	790
SK3455	804
SK-3455	804
SK3457	1054
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SK3459	1058
SK3460	1060
SK3461	1082
SK3462	977
SK3463	601
SK3464	300
SK3465	778A
SK3466	159
SK3467	283
SK3468	1185
SK3469	1195
SK3470	1049
SK3471	1046
SK3472	1092
SK3473	1140
SK3474	1160
SK3475	1050
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SK3482	1205
SK3483	1242
SK3484	1242
SK3485	1142
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SK3487	1234
SK3488	1128
SK3489	1134§
SK3490	1133
SK3492	1011§
SK3493	1223
SK3494	1055
SK3495	1074
SK3496	1079
SK3497	1248
SK3498	1078§
SK3499	1009
SK3500	5882
SK3501	5994
SK3502	5513
SK3503	5410
SK3504	5529
SK3505	5547
SK3506	5652
SK3508	5675
SK3509	5695
SK3510	130
SK3511	181
SK3512	2347
SK3513	129
SK3514	941
SK3515	5806
SK3516	5847
SK3517	5883
SK3518	5995
SK3519	5653
SK3520	5677
SK3521	5697
SK3522	5697
SK3524	784
SK3525	724
SK3526	947
SK3528	397
SK3533	5635
SK3535	181
SK3538	286
SK3539	908
SK3540	903
SK3541	914
SK3542	904
SK3543	912
SK3544	917
SK3545	907
SK3546	905
SK3547	900§
SK3548	906
SK3549	901§
SK3550	916
SK3552	941M
SK3553	909
SK3554	917
SK3556	947D
SK3558	5554
SK3562	175
SK3563	284
SK3564	955M
SK3565	1171
SK3567	922
SK3567A	922
SK3568	930
SK3569	834
SK3570	5643
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SK3583	5651
SK3584	5862
SK3585	5952
SK3586A	5818
SK3587A	5822
SK3590	909D
SK3591	960
SK3592	966
SK3593	968
SK3595	989
SK3596	976
SK3597	5455
SK3598	5457
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SK3601	5850
SK3602	5878
SK3603	5874
SK3604	5870
SK3605	5948
SK3606	5944
SK3607	5940
SK3608	5990
SK3609	5986
SK3610	5980
SK3613	5514
SK3614	5504
SK3615	5517
SK3620	331
SK3621	328
SK3627	5404
SK3628	6402§
SK3629	309K
SK3630	964
SK3631	5623
SK3632	5633
SK3633	5626§
SK3634	5444
SK3635	5446
SK3636	5448
SK3637	1235
SK3639	5814
SK3640	5815
SK3641	975
SK3642	179
SK3643	987
SK3644	975
SK3645	1171
SK3646	871
SK3647	167
SK3648	168
SK3649	170
SK3650	5340
SK3651	5342
SK3652	5693
SK3653	5518
SK3654	5519
SK3655	5562
SK3656	5564
SK3657	5566
SK3658	56004
SK3659	56006
SK3660	56008
SK3661	56022
SK3662	56024
SK3663	56026
SK3664	5602
SK3665	5603
SK3666	5605
SK3667	2024
SK3668	922M
SK3669	962
SK3670	972
SK3671	961
SK3672	963
SK3673	967
SK3674	969
SK3675	971
SK3676	5305
SK3677	5306
SK3678	169
SK3679	5322
SK3680	5322
SK3681	5324
SK3682	5326
SK3683	5511
SK3684	5512
SK3688	992
SK3689	978
SK3691	928
SK3692	928M
SK3694	2023
SK3695	929
SK3696	930
SK3698	5987
SK3699	958
SK3701	1193
SK3702	1453
SK3703	1096
SK3704	1213§
SK3705	1189
SK3706	1181
SK3707	1237§
SK3708	1169
SK3710	238
SK3711	1109
SK3712	1208
SK3713	1207§
SK3714	1200
SK3716	161
SK3719	104
SK3720	104MP
SK3721	100
SK3722	102
SK3723	1005
SK3724	981
SK3725	1196
SK3726	1278
SK3727	1164
SK3728	1168
SK3729	1173§
SK3730	1222
SK3731	1243
SK3732	1167
SK3733	1197
SK3734	806
SK3735	1216
SK3736	1214
SK3737	1179
SK3738	1215
SK3739	1211§
SK3740	1218
SK3741	1219
SK3742	1187
SK3743	1123
SK3744	1260§
SK3746	326
SK3747	157
SK3748	282§
SK3762	1227
SK3763	1226
SK3765	282§
SK3770	5004A
SK3803	5037A
SK3827	1166
SK3828	1241
SK3829	788
SK3832	1231
SK3833	1308
SK3834	312
SK3839	155
SK3840	131MP
SK3841	294
SK3843	558
SK3844	321
SK3845	176
SK3849	293
SK3850	5427
SK3851	5429
SK3852	1232
SK3853	1374
SK3854	123AP
SK3858	251
SK3859	252
SK3860	265
SK3861	101
SK3862	103
SK3863	600
SK3864	605A
SK3865	778A
SK3865A	191
SK3866A	31
SK3867A	32
SK3868	HiDiv-1
SK3869	HiDiv-2
SK3870	HiDiv-3
SK3871	HiDiv-4
SK3872	1261§
SK3873	1256§
SK3874	1170
SK3875	1291§
SK3876	1135
SK3877	1075A
SK3878	1245
SK3879	1246
SK3880	1254
SK3881	1528§
SK3882	821
SK3884	1536
SK3885	1437
SK3887	983
SK3888	1180
SK3889	1228
SK3890	1150
SK3891	829
SK3892	973D
SK3893	152
SK3894	384
SK3895	328
SK3896	261
SK3897	262
SK3900	536A
SK3902	535
SK3903	537
SK3904	557
SK3905	556
SK3906	528◆
SK3909	568A§
SK3910	568A§
SK3911	18
SK3912	19
SK3913	57§

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SK3914	1465
SK3915	1259§
SK3916	1273
SK3917	1115A
SK3918	986
SK3919	822
SK3920	1263
SK3921	1268
SK3922	1285§
SK3923	1286
SK3924	942
SK3925	525
SK3927	820
SK3928	819§
SK3929	375
SK3930	398
SK3931	90
SK3932	91
SK3933	380§
SK3934	381
SK3935	270
SK3936	271
SK3937	56004
SK3938	56004
SK3939	56008
SK3940	5481§
SK3941	5482§
SK3942	5483§
SK3943	5485§
SK3944	5487§
SK3945	327
SK3946	385
SK3947	388
SK3948	247
SK3949	248
SK3950	5400
SK3951	5405
SK3952	5406
SK3953	5412
SK3954	5414
SK3955	5415
SK3956	5416
SK3957	62§
SK3958	390
SK3959	391
SK3960	392
SK3961	393
SK3962	1902
SK3963	1249
SK3964	1439
SK3965	974
SK3966	2060
SK3967	1443§
SK3968	1161
SK3969	1116
SK3972	1218
SK3973	988
SK3974	794§
SK3975	2011
SK3977	456
SK3983	394
SK3985	5312
SK3986	5313
SK3987	5314
SK3988	5315
SK3989	5316
SK3990	220
SK3991	454§
SK3995	386
SK3996	253
SK3997	254
SK3998	558
SK3999	173BP§
SK4000	4000
SK4001B	4001B
SK4002B	4002B
SK4006B	4006B
SK4007	4007
SK4008B	4008B
SK4009UB	4049
SK4011B	4011B
SK4012B	4012B
SK4013B	4013B
SK4014B	4014B
SK4015B	4015B
SK4016B	4016B
SK4017B	4017B
SK4018B	4018B
SK4019B	4019B
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SK4022B	4022B
SK4023B	4023B
SK4024B	4024B
SK4025B	4025B
SK4026B	4026B
SK4027B	4027B
SK4028B	4028B
SK4029B	4029B
SK4030B	4030B
SK4031B	4031B
SK4032B	4032B
SK4033B	4033B
SK4034B	4034B
SK4035B	4035B
SK4040B	4040B
SK4041UB	4041
SK4042B	4042B
SK4043B	4043B
SK4044B	4044B
SK4045B	4045B
SK4046B	4046B
SK4047B	4047B
SK4048B	4048B
SK4049UB	4049
SK4050B	4050B
SK4051B	4051B
SK4052B	4052B
SK4053B	4053B
SK4055B	4055B
SK4056B	4056B
SK4060B	4060B
SK4063B	4063B
SK4066B	4066B
SK4067B	4067B
SK4068B	4068B
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SK4070B	4070B
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SK4096B	4096B
SK4097B	4097B
SK4098B	4098B
SK4099B	4099B
SK4501UB	4501
SK4502B	4502B
SK4506UB	4506B
SK4508B	4508B
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SK4511B	4511B
SK4512B	4512B
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SK4804	1769
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SK4815	1319
SK4816	1661
SK4821	1370
SK4822	1373
SK4825	1572§
SK4826	859
SK4828	1606
SK4831	1667
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SK4833	1664
SK4834	1628
SK4835	1604
SK4837	1540
SK4838	1475
SK4839	1467
SK4843	861
SK4900	27
SK4903	2306
SK4904	2305
SK4906	48
SK4908	2308
SK4909	2315
SK4910	2084
SK4911	6090
SK4914	239
SK4915	455
SK4916	3103
SK4918	5629
SK4919	2310
SK4920	6419
SK4921	6418
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SK4929	3091
SK4930	3100
SK4931	3101
SK4932	3102
SK4933	3090
SK4934	3082
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SK4937	3028
SK5001	581
SK5002	552
SK5003	506
SK5006	156
SK5010	156
SK5010A	156
SK5012	506
SK5014	588
SK5016	580
SK5028	5329
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SK5032	580
SK5036	580
SK5036A	580
SK5060	6240
SK5131	56004
SK5137	56008
SK5173	5673
SK5176	5677
SK5184A	124
SK5188	75188
SK5189	75189
SK5237	5437
SK5238	5438
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SK5588	5688
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SK5797	159
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SK7600	1423
SK7601	1424
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SK7603	1397§
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SK7605	1557
SK7606	1650
SK7607	1486
SK7608	1375
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SK7611	1624
SK7612	2061§
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SK7615	921
SK7616	855
SK7617	927D
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SK7619	1747
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SK7626	1683
SK7627	1400
SK7630	1363
SK7632	1653
SK7633	1656
SK7634	1434§
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SK7643	1930
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SK7673	1657
SK7674	1842
SK7676	1547
SK7677	1571
SK7678	1573
SK7679	1651
SK7681	1570
SK7686	842
SK7687	1655
SK7692	868
SK7703	1732
SK7704	1517
SK7705	1725
SK7706	1378
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SK7708	856
SK7711	1687
SK7713	1682
SK7717	874
SK7718	873
SK7719	1719§
SK7720	1553§
SK7721	928
SK7722	1258§
SK7723	1251§
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SK7725	878
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SK7727	809
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SK7752	952
SK7754	1015
SK7755	1016
SK7756	1019
SK7758	1032
SK7759	1033
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SK8251	123A
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SK9056	1440§
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SK9059	1406§
SK9061	1406§
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SK9064	1408§
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SK9081	2020
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SK9084A	6408
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SK9117	242
SK9118	375
SK9119	89
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SK9123	6401
SK9124(EB2B1)	6409§
SK9125	6405§
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SK9127	828
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SK9130	1578
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SK9132	290A
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SK9136	180
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SK9166	938
SK9167	938M
SK9168	965
SK9169	950
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SK9171	940§
SK9172	997
SK9173	948
SK9174	925
SK9175	910
SK9176	910D
SK9177	909
SK9178	846
SK9179	615A
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SK9182	1289
SK9183	1290
SK9184	1454
SK9186	1388§
SK9187	1445§
SK9188	1479§
SK9189	1331
SK9190	1113
SK9191	1398
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SK9194	1471
SK9195	1575
SK9196	1492
SK9197	1522
SK9198	1409
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SK9204	2053
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SK9208	1463
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SK9234	331
SK9236	332
SK9237	87
SK9239	88
SK9244	1558
SK9245	1636
SK9246	1411
SK9247	1430§
SK9248	852
SK9249	1550
SK9250	1513§
SK9251	1380
SK9252	1288
SK9253	266
SK9254	267
SK9255	268
SK9256	269
SK9257	877
SK9259	96

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
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SK9263	51
SK9265	1297
SK9266	1162
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SK9268	1284§
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SK9272	72
SK9273	73§
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SK9295	95
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SK9305	548
SK9306	548
SK9307	542
SK9308	542◆
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SK9328	358
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SK10415	5705
SK10416	5710
SK10417	5720
SK10418	5711
SK10419	5721
SK10420	5712
SK10421	5722
SK10422	5912
SK10423	5913
SK10424	5916
SK10425	5917
SK10426	5920
SK10427	5921
SK10428	5924
SK10429	5925
SK10430	5928
SK10431	5929
SK10432	5932
SK10433	5933
SK10434	6220
SK10435	6230
SK10436	5702
SK10437	5703
SK10438	5704
SK10439	3170
SK10440	3171
SK10441	3181
SK10442	3182
SK10443	6362
SK10444	6363
SK10445	3169
SK10446	3180
SK10447	9200
SK10448	9401
SK10449	955MC
SK10450	955SM
SK10451	995M
SK10452	987SM
SK10453	978SM
SK10454	978C
SK10455	975SM
SK10456	6809E
SK10457	6106
SK10458	6107
SK10459	5667A
SK10460	5668A
SK10461	5669A
SK10462	468
SK10463	469
SK10464	487
SK10465	489
SK10466	5620
SK10467	5671
SK10468	5699
SK10469	7000
SK10470	7001
SK10471	7002
SK10472	7003
SK10473	7004
SK10474	7005
SK10475	7006
SK10476	7007
SK10477	7008
SK10478	7009
SK10479	7010
SK10480	7011
SK10481	7012
SK10482	7013
SK10483	7014
SK10484	7015
SK10485	7016
SK10486	7017
SK10488	7019
SK10489	7020
SK10491	1645
SK10492	1646§
SK10493	1647
SK10494	1766
SK10496	1866
SK10497	1867
SK10498	1868
SK10499	1869SM
SK10500	1869
SK10501	1889
SK10502	1891
SK10504	1895
SK10505	1896
SK10506	1897
SK10507	1898
SK10508	1899
SK10509	1865
SK10510	576
SK10511	577
SK10512	6241
SK10513	6247
SK10514	879
SK10515	999M
SK10516	999SM
SK10517	2505
SK10518	3120
SK10519	2128
SK10520	1890
SK10522	1892
SK-31024-3	108
SK37730(Fisher)	289A
SK40098B	40098B
SK40100B	40100B
SK40106B	40106B
SK40160B	40160B
SK40161	40161B
SK40161B	40161B

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SK40162B	40162B
SK40163B	40163B
SK40174B	40174B
SK40175B	40175B
SK40182B	40182B
SK40192B	40192B
SK40193B	40193B
SK40194B	40194B
SK40195B	40195B
SK72390	74390
SK74107	74107
SK74109	74109
SK74110	74110
SK74111	74111§
SK74121	74121
SK74122	74122
SK74123	74123
SK74125	74125
SK74126	74126
SK74128	74128
SK74132	74132
SK74141	74141
SK74142	74142
SK74143	74143§
SK74144	74144§
SK74145	74145
SK74147	74147
SK74150	74150
SK74151	74151
SK74153	74153
SK74154	74154
SK74155	74155
SK74156	74156
SK74157	74157
SK74158	74158
SK74160	74160
SK74161	74161
SK74162	74162
SK74164	74164
SK74165	74165
SK74166	74166
SK74170	74170
SK74173	74173
SK74174	74174
SK74175	74175
SK74176	74176
SK74177	74177
SK74178	74178§
SK74179	74179
SK74180	74180
SK74181	74181
SK74182	74182
SK74190	74190
SK74191	74191
SK74192	74192
SK74193	74193
SK74195	74195
SK74196	74196
SK74197	74197
SK74198	74198
SK74199	74199
SK74221	74221
SK74251	74251
SK74290	74290
SK74293	74293§
SK74365	74365
SK74366	74366
SK74367	74367
SK74368	74368
SK74390	74390
SK75454B	75454B
SK707380	5633
SK16510006-2	129
SK16510006-4	129
SKA1079	129
SKA1080	123A
SKA1117	123A
SKA1279	159
SKA1395	123A
SKA1416	107
SKA4074	108
SKA4075	108
SKA4076	108
SKA4129	159
SKA4141	123A
SKA4410	192§
SKA4525	108
SKA4616	128
SKA4621	129
SKA4768	161
SKA9013	108
SKB8339	123A
SKE4G2/02	580
SKHM7	548
SKK45/06	6220
SKK45/08	6220
SKK45/12	6220
SKK46/12	6220
SKKD45/04	6220
SKKD46/02	6220
SKKD46/04	6220
SKKD46/06	6220
SKKD46/08	6220
SKKD46/10	6220
SKKD46/12	6220
SKKD80/04	6230
SKKD80/06	6230
SKKD80/08	6230
SKKD80/12	6230
SKKH40/04	5711
SKKH40/06	5711
SKKH40/08	5711
SKKH40/12	5711
SKKH55/04	5711
SKKH55/06	5711
SKKH55/08	5711
SKKH55/12	5711
SKKH90/04	5721
SKKH90/06	5721
SKKH90/08	5721
SKKH90/12	5721
SKKT18/04	5710
SKKT18/06	5710
SKKT18/08	5710
SKKT18/12	5710
SKKT25/04	5710
SKKT25/06	5710
SKKT25/08	5710
SKKT25/12	5710
SKKT40/04	5710
SKKT40/06	5710
SKKT40/08	5710
SKKT40/12	5710
SKKT55/04	5710
SKKT55/06	5710
SKKT55/08	5710
SKKT55/12	5710
SKKT90/04	5720
SKKT90/06	5720
SKKT90/08	5720
SKKT90/12	5720
SKMV10B	1V010
SKMV10C	2V010
SKMV14B	1V014
SKMV14C	2V014
SKMV15B	1V015
SKMV15C	2V015
SKMV17B	1V017
SKMV17C	2V017
SKMV20B	1V020
SKMV20C	2V020
SKMV25A	1V025
SKMV25B	2V025
SKMV30A	1V030
SKMV30C	2V030
SKMV35B	1V035
SKMV35C	2V035
SKMV40B	1V040
SKMV40C	2V040
SKMV50B	1V050
SKMV50C	2V050
SKMV60A	1V060
SKMV60B	2V060
SKMV75A	1V075
SKMV75B	2V075
SKMV95A	1V095
SKMV95B	2V095
SKMV115B	1V115
SKMV115C	2V115
SKMV130H	1V130
SKMV130J	2V130
SKMV130K	524V13
SKMV150H	1V150
SKMV150J	2V150
SKMV150K	524V15
SKMV250H	1V250
SKMV250J	2V250
SKMV250K	524V25
SKMV275A	1V275
SKMV275B	2V275
SKMV300	1V300
SKMV320B	2V300
SKMV420	2V420
SKMV480G	2V480
SKMV480H	524V48
SKN4F20/02	6007
SKN4F20/04	6009
SKN4F20/06	6011
SKN4F40/02	6007
SKN4F40/02UNF	6007
SKN4F40/04	6009
SKN4F40/04UNF	6009
SKN12/02	5875
SKN12/04	5879
SKN12/08	5887
SKN20/02	5917◆
SKN20/02UNF	5917◆
SKN20/04	5921◆
SKN20/04UNF	5921◆
SKN20/08	5929◆
SKN20/08UNF	5929◆
SKN25/02	5917
SKN25/04	5921
SKN25/08	5929
SKN26/02	5917
SKN26/02UNF	5917
SKN26/04	5921
SKN26/04UNF	5921
SKN26/08	5929
SKN26/08UNF	5929
SKN45/02	6027◆
SKN45/02UNF	6027◆
SKN45/04	6035◆
SKN45/04UNF	6035◆
SKN45/08	6043◆
SKN45/08UNF	6043◆
SKN50/02	6027
SKN50/04	6035
SKN50/08	6043
SKN70/02	6055◆
SKN70/02UNF	6055◆
SKN70/04	6061◆
SKN70/04UNF	6061◆
SKN70/08	6069◆
SKN70/08UNF	6069◆
SKN71/02	6055
SKN71/02UNF	6055
SKN71/04	6061
SKN71/04UNF	6061
SKN71/08	6069
SKN71/08UNF	6069
SKN100/02	432/6155
SKN100/02UNF	432/6155
SKN100/04	432/6155
SKN100/04UNF	432/6155
SKN100/08	432/6159
SKN100/08UNF	432/6159
SKN100/12UNF	6163/432
SKN100/14UNF	6163/432
SKN130/02	432/6155
SKN130/02UNF	432/6155
SKN130/04	432/6155
SKN130/04UNF	432/6155
SKN130/08	432/6159
SKN130/08UNF	432/6159
SKN130/12UNF	6163/432
SKN130/14UNF	6163/432
SKN140/04	6105
SKN170/02	6355◆
SKN170/02UNF	6355
SKN170/04	6355◆
SKN170/04R	6355
SKN170/04UNF	6355
SKN170/08	6359‡
SKN170/08R	6359
SKN170/08UNF	6359
SKN240/02	6107
SKN240/02UNF	6107
SKN240/04	6107
SKN240/04UNF	6107
SKN240/08	6107
SKN240/08UNF	6107
SKN240/12	6363◆
SKN240/12UNF	6107
SKN240/14	6363◆
SKN240/14UNF	6107
SKN240/16	6107
SKN240/16UNF	6107
SKN320/02	6107
SKN320/02UNF	6107
SKN320/04	6107
SKN320/04UNF	6107
SKN320/08	6107
SKN320/08UNF	6107
SKN320/12	6107
SKN320/12UNF	6107
SKN320/14	6107
SKN320/14UNF	6107
SKN320/16	6107‡
SKN320/16UNF	6107
SKN500/02	6110
SKN500/04	6110
SKN500/08	6112
SKN500/12	6112
SKN870/04	6113◆
SKN870/12	6115◆
SKN1500/04	6113◆
SKN1500/12	6115◆
SKN2000/06	6116◆
SKN2000/12	6118◆
SKN24016	6107
SKR4F20/02	6006
SKR4F20/04	6008
SKR4F20/06	6010
SKR12/02	5874
SKR12/04	5878
SKR12/08	5886
SKR20/02	5916◆
SKR20/02UNF	5916◆
SKR20/04	5920◆
SKR20/04UNF	5920◆
SKR20/08	5928◆
SKR20/08UNF	5928◆
SKR25/02	5916
SKR25/04	5920
SKR25/08	5928
SKR26/02	5916
SKR26/02UNF	5916
SKR26/04	5920
SKR26/04UNF	5920
SKR26/08	5928
SKR26/08UNF	5928
SKR45/02	6026◆
SKR45/02UNF	6026◆
SKR45/04	6034◆
SKR45/04UNF	6034◆
SKR45/08	6042◆
SKR45/08UNF	6042◆
SKR50/02	6026
SKR50/04	6034
SKR50/08	6042
SKR70/02UNF	6054◆
SKR70/04	6060◆
SKR70/04UNF	6060◆
SKR70/08	6068◆
SKR70/08UNF	6068◆
SKR71/02	6054
SKR71/02UNF	6054
SKR71/04	6060
SKR71/04UNF	6060
SKR71/08	6068
SKR71/08UNF	6068
SKR100/02	432/6154
SKR100/02UNF	432/6154
SKR100/04	432/6154
SKR100/04/UNF	432/6154
SKR100/08	432/6158
SKR100/08UNF	432/6158
SKR100/12UNF	432/6162
SKR100/14UNF	432/6162
SKR130/02	432/6154
SKR130/02UNF	432/6154
SKR130/04	432/6154
SKR130/04UNF	432/6154
SKR130/08	432/6158
SKR130/08UNF	432/6158
SKR130/12UNF	432/6162
SKR130/14UNF	432/6162
SKR170/02	6354◆
SKR170/02UNF	6354
SKR170/04	6354◆
SKR170/04UNF	6354
SKR170/08	6358‡
SKR170/08UNF	6358
SKR240/02	6106
SKR240/02UNF	6106
SKR240/04	6106
SKR240/04UNF	6106
SKR240/08	6106
SKR240/08UNF	6106
SKR240/12	6362◆
SKR240/12UNF	6106
SKR240/14	6362◆
SKR240/14UNF	6106
SKR240/16	6106
SKR240/16UNF	6106
SKR320/02	6106
SKR320/02UNF	6106
SKR320/04	6106
SKR320/04UNF	6106
SKR320/08	6106
SKR320/08UNF	6106
SKR320/12	6106
SKR320/12UNF	6106
SKR320/14	6106
SKR320/14UNF	6106
SKR320/16	6106
SKS1/01	125
SKS1/04	125
SKS1/08	125
SKT16/02C	5543
SKT16/02CUNF	5543
SKT16/04C	5545
SKT16/04CUNF	5545
SKT16/06C	5547
SKT16/06CUNF	5547
SKT16/08C	5548
SKT16/08CUNF	5548
SKT24/02C	5543
SKT24/02CUNF	5543
SKT24/02M	5567
SKT24/02UNF	5567
SKT24/04C	5545
SKT24/04CUNF	5545
SKT24/04M	5568
SKT24/04UNF	5568
SKT24/06C	5547
SKT24/06CUNF	5547
SKT24/06M	5568
SKT24/06UNF	5568
SKT24/08C	5548
SKT24/08CUNF	5548
SKT24/08M	5569
SKT24/08UNF	5569
SKT24/10M	5569
SKT24/10UNF	5569
SKT24/12M	5569
SKT24/12UNF	5569
SKT40/02M	5567
SKT40/02UNF	5567
SKT40/04M	5568
SKT40/04UNF	5568
SKT40/06M	5568
SKT40/06UNF	5568
SKT40/08M	5569
SKT40/08UNF	5569
SKT40/10M	5569
SKT40/10UNF	5569
SKT40/12M	5569
SKT40/12UNF	5569
SKT55/02	5570
SKT55/02C	432/5570
SKT55/02CUNF	432/5570
SKT55/04	5572
SKT55/04C	5572/432
SKT55/04CUNF	5572/432
SKT55/06	5572
SKT55/06C	5572/432
SKT55/06CUNF	5572/432
SKT55/08	5574
SKT55/08C	432/5574
SKT55/08CUNF	432/5574
SKT55/10	5574
SKT55/10C	432/5574
SKT55/10CUNF	432/5574
SKT55/12	5574
SKT55/12C	432/5574
SKT55/12CUNF	432/5574
SKT80/02	5570
SKT80/02C	432/5570
SKT80/02CUNF	432/5570
SKT80/04	5572
SKT80/04C	5572/432
SKT80/04CUNF	432/5574
SKT80/06	5572
SKT80/06C	5572/432
SKT80/06CUNF	5572/432
SKT80/08	5574
SKT80/08C	432/5574
SKT80/08CUNF	432/5574
SKT80/10	5574
SKT80/10C	432/5574
SKT80/10CUNF	432/5574
SKT80/12	5574
SKT80/12CUNF	432/5574
SKT130/02C	5580
SKT130/02CUNF	5580
SKT130/04C	5582
SKT130/04CUNF	5582
SKT130/06C	5582
SKT130/06CUNF	5582
SKT130/08C	5584
SKT130/08CUNF	5584
SKT130/10C	5584
SKT130/10CUNF	5584
SKT130/12C	5584
SKT130/12CUNF	5584
SKT160/02C	5580
SKT160/02CUNF	5580
SKT160/04C	5582
SKT160/04CUNF	5582
SKT160/06C	5582
SKT160/06CUNF	5582
SKT160/08C	5584
SKT160/08CUNF	5584
SKT160/10C	5584
SKT160/10CUNF	5584
SKT160/12C	5584
SKT160/12CUNF	5584
SKT215/02C	5587◆
SKT215/02CUNF	5587◆
SKT215/04C	5587◆
SKT215/04CUNF	5587◆
SKT215/06C	5587◆
SKT215/06CUNF	5587◆
SKT215/08C	5589◆
SKT215/08CUNF	5589◆
SKT215/10C	5589◆
SKT215/10CUNF	5589◆
SKT215/12C	5589◆
SKT215/12CUNF	5589◆
SKT230/02C	5590
SKT230/04C	5591
SKT230/06C	5591
SKT230/08C	5592
SKT230/10C	5592
SKT230/12C	5592
SKT240/04	5591
SKT240/08	5592
SKT240/12	5592
SKT250/02C	5587◆
SKT250/02CUNF	5587◆
SKT250/04C	5587◆
SKT250/04CUNF	5587◆
SKT250/06C	5587◆
SKT250/06CUNF	5587◆
SKT250/08C	5589◆
SKT250/08CUNF	5589◆
SKT250/10C	5589◆
SKT250/10CUNF	5589◆
SKT250/12C	5589◆
SKT250/12CUNF	5589◆
SKT250/40C	5587
SKT300/02C	5587◆
SKT300/02CUNF	5587◆
SKT300/04C	5587◆
SKT300/04CUNF	5587◆
SKT300/06C	5587◆
SKT300/06CUNF	5587◆
SKT300/08C	5589◆
SKT300/08CUNF	5589◆
SKT300/10C	5589◆
SKT300/10CUNF	5589◆
SKT300/12C	5589◆
SKT300/12CUNF	5589◆
SKT450/02C	5594
SKT450/04C	5595
SKT450/06C	5595
SKT450/08C	5596
SKT450/10C	5596
SKT450/12C	5596
SKT1000/04C	5598
SKT1000/06C	5598
SKT1000/08C	5599
SKT1000/10C	5599
SKT1000/12C	5599
SKTN2222A	123AP
SKU10/05	5637
SKU10/06	5637
SKU12/06	5667A
SKU12/08	5668A
SKU15/05	56006
SKU15/06	56006
SKU25/06UNF	5687
SKU25/08UNF	5687
SKU30/04	5695
SKU30/05	5697
SKU30/06	5697
SKVT7504	815
SKWHG7006	159
SL-030	116
SL030/3490	116
SL030S	116
SL030T	116
SL030T	116
SL051A	5940
SL01640	9914
SL02518	9900
SL02519	9914
SL02734	9914
SL02779	9914
SL02781	OBS-NLA
SL03019	9914
SL03021	OBS-NLA
SL03667	9913
SL03911	9949
SL03912	9961
SL03913	9963
SL03914	9932
SL03915	9944
SL03916	9937
SL03917	9951
SL04194	9910§
SL04217	9900
SL04218	9914
SL04563	9930
SL04567	9936
SL04568	9932
SL04570	9951
SL04732	9914
SL07040	909
SL07055	909
SL07059	OBS-NLA
SL07682	716§
SL07684	910
SL08058	703
SL08066	909
SL08797	941D
SL-2	116
SL2	116
SL-3	116
SL3	5878
SL-4	116
SL-5	5802
SL5	116
SL10	5890
SL50	5870
SL91	116
SL92	116
SL93	116
SL-100	108
SL100	108
SL103	116
SL-103	5802
SL200	106
SL201	106
SL300	123A
SL301C	128
SL301CE	128
SL400	5878
SL490	1755
SL500	5882
SL600	5882
SL608(Diode)	125
SL610	125
SL708	125
SL710	125
SL800	5886
SL800X	5886
SL-833	116
SL833	116
SL-833A	116
SL833A	116
SL1000	5890
SL1000X	5890
SL1626(DIGITAL)	74161
SL3045DG	912
SL3045DP	912
SL3046DG	912
SL3046DP	912
SL3081	916
SL3081DG	916
SL3081DP	916
SL3082	2023
SL3086DG	912
SL3086DP	912
SL3101	129
SL3111	129
SL3426	5160A
SL5500	3041
SL5501	3041
SL5504	3088
SL5511	3041
SL7059	703
SL7283	703
SL7308	703
SL7531	703
SL7593	703
SL7790	703
SL7990	123A
SL8020	703
SL8995	923
SL11877	9930
SL11878	9936
SL11879	9946
SL11880	9948
SL11881	9962
SL14959	74H10
SL14960	74H11
SL14971	7408
SL14972	7438
SL16121	OBS-NLA
SL16122	9910§
SL16201	9930
SL16203	9951
SL16204	9946
SL16206	9932
SL16208	9937
SL16209	9099
SL16210	9936
SL16211	9945
SL16212	9962
SL16215	9944
SL16216	9949
SL16218	9963
SL16516	9930
SL16517	9933
SL16518	9936
SL16519	9946
SL16520	9962
SL16521	9945
SL16522	9099
SL16584	9930
SL16585	9931
SL16586	9932
SL16587	9936
SL16588	9945
SL16589	9946
SL16590	9948
SL16591	9962
SL16793	7400
SL16794	7401
SL16795	7402
SL16796	7404
SL16797	7405
SL16798	7408
SL16799	7411
SL16800	7420
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♦, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

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SMP4N60	2387
SMP8N50	2385
SMP25N05	2389
SMP25N06	2389
SMP30N10	2396
SMR-8ZG	548◆
SMV505	611
SMV751	613
SMV1172	610
SMW14N50	2394#
SN0303	116
SN-1	116
SN1	116
SN-1Z	116
SN7S189J	75189
SN60	101
SN74H00N	74H00
SN74H01	74H01
SN74H01N	74H01
SN74H04	74H04
SN74H04N	74H04
SN74H05N	74H05
SN74H10N	74H10
SN74H11N	74H11
SN74H20N	74H20
SN74H21N	74H21
SN74H22N	74H22
SN74H30N	74H30
SN74H40N	74H40
SN74H50N	74H50
SN74H51N	74H51
SN74H52N	74H52
SN74H53N	74H53
SN74H54N	74H54
SN74H55N	74H55
SN74H60N	74H60
SN74H61N	74H61
SN74H62N	74H62
SN74H71N	74H71
SN74H72N	74H72
SN74H73N	74H73
SN74H74N	74H74
SN74H76N	74H76
SN74H78N	74H78
SN74H87N	74H87
SN74H101N	74H101
SN74H102N	74H102
SN74H103N	74H103
SN74H106N	74H106
SN74H108N	74H108
SN74H183N	74H183
SN74HC00N	74HC00
SN74HC00NS	74HC00
SN74HC02N	74HC02
SN74HC04N	74HC04
SN74HC08N	74HC08
SN74HC10N	74HC10
SN74HC11N	74HC11
SN74HC14N	74HC14
SN74HC32N	74HC32
SN74HC86N	74HC86
SN74HC109N	74HC109
SN74HC123N	74HC123
SN74HC125N	74HC125
SN74HC126N	74HC126
SN74HC132N	74HC132
SN74HC138N	74HC138
SN74HC139N	74HC139
SN74HC151N	74HC151
SN74HC153N	74HC153
SN74HC154N	74HC154
SN74HC161N	74HC161
SN74HC163N	74HC163
SN74HC164N	74HC164
SN74HC165N	74HC165
SN74HC173N	74HC173
SN74HC174N	74HC174
SN74HC175N	74HC175
SN74HC240N	74HC240
SN74HC257N	74HC257
SN74HC259N	74HC259
SN74HC273N	74HC273
SN74HC299N	74HC299
SN74HC373N	74HC373
SN74HC374N	74HC374
SN74HC377N	74HC377
SN74HC390N	74HC390
SN74HC393N	74HC393
SN74HC573N	74HC573
SN74HC574N	74HC574
SN74HC4020N	74HC4020
SN74HC4040N	74HC4040
SN74HC4053N	74HC4053
SN74HC4060N	74HC4060
SN74HCT00N	74HCT00
SN74HCT04N	74HCT04
SN74HCT08N	74HCT08
SN74HCT32N	74HCT32
SN74HCT138N	74HCT138
SN74HCT240N	74HCT240
SN74HCT244N	74HCT244
SN74HCT373N	74HCT373
SN74HCT374N	74HCT374
SN74HCT573AN	74HCT573
SN74HCT574N	74HCT574
SN74L03	74LS03
SN74L03N	74LS03
SN74L73N	74LS73
SN74L93	74L93
SN74L93N	74L93
SN74LS00	74LS00
SN74LS00N	74LS00
SN74LS01	74LS01
SN74LS01J	74LS01
SN74LS01L	74LS01
SN74LS01N	74LS01
SN74LS01P	74LS01
SN74LS02	74LS02
SN74LS02N	74LS02
SN74LS03	74LS03
SN74LS03N	74LS03
SN74LS04	74LS04
SN74LS04N	74LS04
SN74LS05	74LS05
SN74LS05N	74LS05
SN74LS08	74LS08
SN74LS08N	74LS08
SN74LS09	74LS09
SN74LS09N	74LS09
SN74LS10	74LS10
SN74LS10N	74LS10
SN74LS10ND	74LS10
SN74LS10NDS	74LS10
SN74LS11	74LS11
SN74LS11JDS	74LS11
SN74LS11N	74LS11
SN74LS11NDS	74LS11
SN74LS12	74LS12
SN74LS12J	74LS12
SN74LS12L	74LS12
SN74LS12N	74LS12
SN74LS12P	74LS12
SN74LS13	74LS13
SN74LS13J	74LS13
SN74LS13L	74LS13
SN74LS13N	74LS13
SN74LS13P	74LS13
SN74LS14	74LS14
SN74LS14N	74LS14
SN74LS15	74LS15
SN74LS15J	74LS15
SN74LS15L	74LS15
SN74LS15N	74LS15
SN74LS15P	74LS15
SN74LS20	74LS20
SN74LS20N	74LS20
SN74LS21	74LS21

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SN74LS21J	74LS21
SN74LS21L	74LS21
SN74LS21N	74LS21
SN74LS21NDS	74LS21
SN74LS21P	74LS21
SN74LS22	74LS22
SN74LS22J	74LS22
SN74LS22L	74LS22
SN74LS22N	74LS22
SN74LS22P	74LS22
SN74LS26	74LS26
SN74LS26J	74LS26
SN74LS26N	74LS26
SN74LS26P	74LS26
SN74LS27	74LS27
SN74LS27N	74LS27
SN74LS28	74LS28
SN74LS28J	74LS28
SN74LS28N	74LS28
SN74LS28NS	74LS28
SN74LS30	74LS30
SN74LS30N	74LS30
SN74LS32	74LS32
SN74LS32N	74LS32
SN74LS32NDS	74LS32
SN74LS33	74LS33
SN74LS33J	74LS33
SN74LS33N	74LS33
SN74LS33NS	74LS33
SN74LS37	74LS37
SN74LS37J	74LS37
SN74LS37L	74LS37
SN74LS37N	74LS37
SN74LS37P	74LS37
SN74LS38	74LS38
SN74LS38N	74LS38
SN74LS40	74LS40
SN74LS40J	74LS40
SN74LS40L	74LS40
SN74LS40N	74LS40
SN74LS40P	74LS40
SN74LS42	74LS42
SN74LS42N	74LS42
SN74LS42NDS	74LS42
SN74LS47	74LS47
SN74LS47N	74LS47
SN74LS48N	74LS48
SN74LS49N	74LS49
SN74LS51	74LS51
SN74LS51N	74LS51
SN74LS54	74LS54
SN74LS54J	74LS54
SN74LS54L	74LS54
SN74LS54N	74LS54
SN74LS54P	74LS54
SN74LS55	74LS55
SN74LS55J	74LS55
SN74LS55L	74LS55
SN74LS55N	74LS55
SN74LS55P	74LS55
SN74LS73	74LS73
SN74LS73AN	74LS73
SN74LS73N	74LS73
SN74LS74	74LS74A
SN74LS74A	74LS74A
SN74LS74AJ	74LS74A
SN74LS74AN	74LS74A
SN74LS74ANS	74LS74A
SN74LS74N	74LS74A
SN74LS75	74LS75
SN74LS75N	74LS75
SN74LS76A	74LS76A
SN74LS76AJ	74LS76A
SN74LS76AL	74LS76A
SN74LS76AN	74LS76A
SN74LS76AP	74LS76A
SN74LS77	74LS77
SN74LS77J	74LS77
SN74LS77N	74LS77
SN74LS77NS	74LS77
SN74LS78	74LS78
SN74LS78N	74LS78
SN74LS83	74LS83A
SN74LS83A	74LS83A
SN74LS83AN	74LS83A
SN74LS83N	74LS83A
SN74LS85	74LS85
SN74LS85N	74LS85
SN74LS86	74LS86
SN74LS86AN	74LS86
SN74LS86N	74LS86
SN74LS90	74LS90
SN74LS90J	74LS90
SN74LS90L	74LS90
SN74LS90N	74LS90
SN74LS90P	74LS90
SN74LS91	74LS91
SN74LS91J	74LS91
SN74LS91N	74LS91
SN74LS91NS	74LS91
SN74LS92	74LS92
SN74LS92N	74LS92
SN74LS93	74LS93
SN74LS93N	74LS93
SN74LS95B	74LS95B
SN74LS95BJ	74LS95B
SN74LS95BN	74LS95B
SN74LS95BNS	74LS95B
SN74LS107	74LS107
SN74LS107AN	74LS107
SN74LS107N	74LS107
SN74LS109	74LS109A
SN74LS109A	74LS109A
SN74LS109AN	74LS109A
SN74LS109N	74LS109A
SN74LS112	74LS112A
SN74LS112A	74LS112A
SN74LS112AJ	74LS112A
SN74LS112AL	74LS112A
SN74LS112AN	74LS112A
SN74LS112AP	74LS112A
SN74LS113	74LS113
SN74LS113AN	74LS113
SN74LS113N	74LS113
SN74LS114	74LS114
SN74LS114N	74LS114
SN74LS122	74LS122
SN74LS122J	74LS122
SN74LS122N	74LS122
SN74LS122NS	74LS122
SN74LS123	74LS123
SN74LS123N	74LS123
SN74LS123NDS	74LS123
SN74LS124	74LS629
SN74LS124J	74LS629
SN74LS124N	74LS629
SN74LS124NS	74LS629
SN74LS125	74LS125A
SN74LS125A	74LS125A
SN74LS125AJ	74LS125A
SN74LS125AL	74LS125A
SN74LS125AN	74LS125A
SN74LS125AP	74LS125A
SN74LS126	74LS126
SN74LS126N	74LS126
SN74LS132	74LS132
SN74LS132J	74LS132
SN74LS132L	74LS132
SN74LS132N	74LS132
SN74LS132P	74LS132
SN74LS133	74LS133
SN74LS133J	74LS133
SN74LS133N	74LS133
SN74LS133NS	74LS133
SN74LS136N	74LS136
SN74LS138	74LS138
SN74LS138N	74LS138
SN74LS138PC	74LS138
SN74LS139	74LS139
SN74LS139AN	74LS139
SN74LS139J	74LS139
SN74LS139L	74LS139
SN74LS139N	74LS139
SN74LS139NDS	74LS139
SN74LS139P	74LS139
SN74LS145	74LS145
SN74LS145J	74LS145
SN74LS145N	74LS145
SN74LS145NS	74LS145
SN74LS147	74LS147
SN74LS147J	74LS147
SN74LS147N	74LS147
SN74LS147NS	74LS147
SN74LS148	74LS148
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SN74LS148N	74LS148
SN74LS148NS	74LS148
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SN74LS151N	74LS151
SN74LS153	74LS153
SN74LS153N	74LS153
SN74LS155	74LS155
SN74LS155AN	74LS155
SN74LS155J	74LS155
SN74LS155L	74LS155
SN74LS155N	74LS155
SN74LS155P	74LS155
SN74LS156	74LS156
SN74LS156N	74LS156
SN74LS157	74LS157
SN74LS157N	74LS157
SN74LS158	74LS158
SN74LS158N	74LS158
SN74LS160A	74LS160A
SN74LS160AJ	74LS160A
SN74LS160AL	74LS160A
SN74LS160AN	74LS160A
SN74LS160AP	74LS160A
SN74LS161	74LS161A
SN74LS161A	74LS161A
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SN74LS161N	74LS161A
SN74LS162A	74LS162A
SN74LS162AJ	74LS162A
SN74LS162AN	74LS162A
SN74LS162AP	74LS162A
SN74LS163	74LS163A
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SN74LS163N	74LS163A
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SN74LS168AN	74LS168A
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SN74LS168J	74LS168A
SN74LS168N	74LS168A
SN74LS169	74LS169A
SN74LS169A	74LS169A
SN74LS169AJ	74LS169A
SN74LS169AN	74LS169A
SN74LS169ANS	74LS169A
SN74LS169J	74LS169A
SN74LS169N	74LS169A
SN74LS170	74LS170
SN74LS170J	74LS170
SN74LS170L	74LS170
SN74LS170N	74LS170
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SN74LS174	74LS174
SN74LS174N	74LS174
SN74LS174ND	74LS174
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SN74LS181N	74LS181
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SN74LS190J	74LS190
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SN74LS190P	74LS190
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SN74LS192N	74LS192
SN74LS192P	74LS192
SN74LS193	74LS193
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SN74LS194AJ	74LS194A
SN74LS194AN	74LS194A
SN74LS194ANS	74LS194A
SN74LS195	74LS195A
SN74LS195A	74LS195A
SN74LS195AN	74LS195A
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SN74LS245N	74LS245
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SN74LS247N	74LS247
SN74LS248N	74LS248
SN74LS249N	74LS249
SN74LS251	74LS251
SN74LS251J	74LS251
SN74LS251N	74LS251
SN74LS251NDS	74LS251
SN74LS251NS	74LS251
SN74LS253	74LS253
SN74LS253N	74LS253
SN74LS257	74LS257
SN74LS257AN	74LS257
SN74LS257BN	74LS257
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SN74LS258AN	74LS258
SN74LS258J	74LS258
SN74LS258L	74LS258
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SN74LS295AN	74LS295A
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SN74LS324	74LS624
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SN74LS368P	74LS368
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SN74LS378J	74LS378
SN74LS378N	74LS378
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SN74LS395ANS	74LS395A
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SN74LS398N	74LS398
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SN74LS399	74LS399
SN74LS399J	74LS399
SN74LS399N	74LS399
SN74LS399NS	74LS399
SN74LS424	8224
SN74LS424J	8224
SN74LS424N	8224
SN74LS490	74LS490
SN74LS490J	74LS490
SN74LS490N	74LS490
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SN74LS540	74LS540
SN74LS540J	74LS540
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SN74LS627J	74LS627
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SN74LS629J	74LS629
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SN74LS640	74LS640
SN74LS640J	74LS640
SN74LS640N	74LS640
SN74LS640NS	74LS640
SN74LS641	74LS641
SN74LS641J	74LS641
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SN74LS642	74LS642
SN74LS642J	74LS642
SN74LS642N	74LS642
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SN74S02N	74S02
SN74S03N	74S03
SN74S04	74S04
SN74S04N	74S04
SN74S05N	74S05
SN74S08N	74S08
SN74S10N	74S10
SN74S11	74S11
SN74S11N	74S11
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SN74S22N	74S22
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SN74S51N	74S51
SN74S64	74S64
SN74S64N	74S64
SN74S65N	74S65
SN74S74	74S74
SN74S74N	74S74
SN74S86	74S86
SN74S86N	74S86
SN74S112N	74S112
SN74S113N	74S113
SN74S114N	74S114
SN74S124N	74S124
SN74S133	74S133
SN74S133N	74S133
SN74S134N	74S134
SN74S138	74S138
SN74S138J	74S138
SN74S138N	74S138
SN74S140N	74S140
SN74S151J	74S151
SN74S151N	74S151
SN74S153J	74S153
SN74S153N	74S153
SN74S157J	74S157
SN74S157N	74S157
SN74S158J	74S158
SN74S158N	74S158
SN74S174	74S174
SN74S174N	74S174
SN74S175J	74S175
SN74S175N	74S175
SN74S188	74S188
SN74S188J	74S188
SN74S188N	74S188
SN74S194J	74S194
SN74S194N	74S194
SN74S251J	74S251
SN74S251N	74S251
SN74S258J	74S258
SN74S258N	74S258
SN74S287	74S287
SN74S287J	74S287
SN74S287N	74S287
SN74S288	74S288
SN74S288J	74S288
SN74S288N	74S288
SN74S387	74S387
SN74S387J	74S387
SN74S387N	74S387
SN74S412	8212
SN74S412J	8212
SN74S412N	8212
SN74S428	8228
SN74S428J	8228
SN74S428N	8228
SN74S454	74S454
SN74S454J	74S454
SN74S454N	74S454
SN74S472	74S472
SN74S472J	74S472
SN74S472N	74S472
SN74S473	74S473
SN74S473J	74S473
SN74S473N	74S473
SN74S474	74S474
SN74S474J	74S474
SN74S474N	74S474
SN74S475	74S475
SN74S475J	74S475
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SNRD24K4	2V015
SNR-D27L1	1V017
SNRD27L4	2V017
SNR-D27L4	2V017
SNR-D33K1	1V020
SNRD33K5	2V020
SNR-D33K5	2V020
SNR-D39K1	1V025
SNR-D39K6	2V025
SNR-D47K1	1V030
SNR-D47K7	2V030
SNR-D56K2	1V035
SNRD56K8	2V035
SNR-D56K8	2V035
SNR-D68K2	1V040
SNR-D68K10	2V040
SNR-D82K2	1V050
SNR-D82K12	2V050
SNRD82K12	2V050
SNR-D100K3	1V060
SNR-D100K15	2V060
SNR-D120K1	1V075
SNR-D120K6	2V075
SNR-D150K1	1V095
SNR-D150K8	2V095
SNR-D180K1	1V115
SNR-D180K10	2V115
SNRD180K10	2V115
SNT204	159
SNT204A	159
SO1	160
SO-1	160
SO2	160
SO-2	160
SO3	160
SO-3	160
SO5	116
S-O5	116
SO10G	125
SO-25	102A
SO25	102A
SO30LS3	5426
SO46	110MP
SO65	102A
SO-65A	160
SO65A	126A
SO-88	102A
SO88	102A
SO301L	5417
SO301LS1	5426◆
SO301LS2	5426
SO301LS3	5426
SO303L	5417
SO303LS1	5426◆
SO303LS2	5426
SO303LS3	5426
SO304F1	5452
SO304F2	5452
SO304F3	5452
SO304F4	5452
SO306L	5417
SO306LS3	5426
SO308L	5417
SO308LS2	5426
SO308LS3	5426
SO308R	5461
SO310L	5417
SO310LS2	5426
SO310LS3	5426
SO312R	5552◆
SO316R	5550
SO325C	5534A
SO325G	5534A
SO325R	5550
SO335C	5534A
SO335G	5517
SO501	116
SO501L	5417
SO501LS1	5426◆
SO501LS2	5426
SO501LS3	5426
SO503L	5417
SO503LS1	5426◆
SO503LS2	5426
SO503LS3	5426
SO504F1	5453
SO504F2	5453
SO504F3	5453
SO504F4	5453
SO506L	5417
SO506LS2	5426
SO506LS3	5426
SO508L	5417
SO508LS2	5426
SO508LS3	5426
SO508R	5461
SO510L	5417
SO510LS2	5426
SO510LS3	5426
SO512R	5552◆
SO516R	5550
SO525C	5534A
SO525G	5534A
SO525R	5550
SO535C	5534A
SO535G	5517
SO-632	139A
SO810BH	5483§
SO810DH	5485§
SO19806	199
SO25094	199
SOA	125
SOC449A	3048
SOD20AS	5830
SOD30AL	5800
SOD30AS	5830
SOD30BL	5800
SOD30BS	5830
SOD30CS	5830
SOD30DL	5800
SOD30DS	5830
SOD50AL	5800
SOD50AS	5830
SOD50BL	5800
SOD50BS	5830
SOD50CL	5800
SOD50DL	5800
SOD50DS	5830
SOD100AL	5802
SOD100AS	5834
SOD100BL	5802
SOD100BS	5834
SOD100CL	5802
SOD100CS	5834
SOD100DS	5802
SOD200AL	5802
SOD200BL	5802
SOD200BS	5834
SOD200CL	5802
SOD200CS	5834
SOD-200D	156
SOD200D	116
SOD200DL	5802
SOD200DS	5834
SONY 065	1300
SONY 065A	1300
SONY 075	1301
SONY 075B	1301
SONY 095	1308
SONY 095A	1308
SONY 095C	1308
SONY 161A	1309
SONY 162	1310
SONY 164A	1302
SONY 170	1303
SONY 172	1304
SONY 173	1305
SONY 177	1306
SONY 181	1307
SOSO121	129
SP1	116
SP-1	116
SP1K-1	116
SP1K-2	116
SP1K-4	116
SP1U-2	116
SP-1.5A	5800
SP26	104
SP39	127
SP-46	109
SP47	104
SP62	127
SP-70	198
SP70	159
SP82A	112
SP90	159
SP101	177
SP-116	612
SP-148-3	121
SP148-3	121
SP176	104
SP230	104
SP334	121
SP346	179
SP404	121
SP404T	121
SP-404T	121
SP427-8	27
SP441	121
SP-441	121
SP441D	104
SP441G	121
SP441S	104
SP-485	121
SP485	121
SP485B	121
SP485BLK	121
SP485BLU	121
SP485BRN	121
SP485W	121
SP485WHT	121
SP-486	121
SP486	104
SP486W	121
SP-486W	121
SP486WHT	121
SP500	1288
SP501R	28
SP600	1396
SP634	121
SP-634	121
SP-649	121
SP649	121
SP-649-1	121
SP649-1	121
SP744	121
SP819R	121
SP-834	121
SP834	121
SP838	179
SP838-1	179
SP875	121
SP-880	121
SP880	104
SP880-1	121
SP-880-1	121
SP880-3	121
SP-880-3	121
SP888	7053
SP891	104
SP-891	121
SP891B	121
SP-891B	121
SP891BLU	121
SP891G	121
SP891GRN	121
SP891R	121
SP891W	121
SP-891W	121
SP891WHT	121
SP900	956
SP1013A	121
SP1013B	104
SP1029	179
SP1081	213
SP1105	213
SP1108	104
SP-1108	121
SP1118	121
SP1137	104
SP1271	121
SP1323	104
SP1403	104
SP1481	121
SP1481-1	121
SP1481-2	121
SP1481-3	121
SP1481-4	121
SP1481-5	121
SP1482	121
SP1482-2	121
SP1482-3	121
SP1482-4	121
SP1482-5	121
SP-1482-5	121
SP1482-6	121
SP1482-7	121
SP1483	121
SP-1483	121
SP1483-1	121
SP1483-2	121
SP1483-3	121
SP-1484	121
SP1484-1	179
SP1484-2	179
SP1484-3	179
SP1484-4	179
SP1484-5	179
SP1550-3	121
SP1556	121
SP1556-1	121
SP1556-2	121
SP-1556-2	121
SP1556-3	121
SP1556-4	121
SP1563-2	121
SP1595BLK	121
SP1595BLU	121
SP1595GRN	121
SP1595RED	121
SP1596BLK	121
SP1596BLU	121
SP1596GRN	121
SP1596RED	121
SP1600	104
SP1603	121
SP-1603	121
SP1603-1	121
SP-1603-1	121
SP-1603-2	121
SP1603-2	121
SP1603-3	121
SP1619	104
SP1650	179
SP1651	104
SP1657	121
SP1742	127
SP1801	121
SP1817	179
SP1844	121
SP1927	104
SP1938	121
SP1950	121
SP1994	213
SP2045	121
SP2046	121
SP2048	121
SP2072	121
SP2076	121
SP2077	179
SP2094	121
SP2155	124
SP2158	103A
SP-2158	124
SP2188	103A
SP2218QDB	2321
SP2219QDB	2321
SP2221QDB	2321
SP2222QDB	2321
SP2234	104
SP2247	104
SP2320K1	330
SP2320K2	330
SP2341	121
SP2358	104
SP2361	121
SP2361BLU	121
SP2361BRN	121
SP2361GRN	121
SP2361ORN	121
SP2361RED	121
SP2361YEL	121
SP2395	121
SP2411	127
SP2426	105
SP2431	104
SP2431P	105
SP2493	121
SP2512	127
SP2541	121
SP2551	131
SP2597	127
SP2610	179
SP2692	213
SP2702	213
SP2708	179
SP2906QDB	2322
SP3096	330
SP3103	330
SP3152	27
SP3152X	27
SP3251AQDB	2322
SP3253QDB	2322
SP4040	1614§
SP4040DP	1614§
SP4168	104
SP4231	130
SP4436	161
SP8139B	2305
SP8400	154
SP8401	154
SP8402	192§
SP8416	152

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SP8660	152
SP8918	184
SP12271	106
SPC40	123A
SPC42	123A
SPC50	123A
SPC51	123A
SPC52	123A
SPC401	94
SPC402	94
SPC411	94
SPC413	283
SPC430	94
SPC431	53
SPD605	5818
SPD610	5818
SPD620	5818
SPD630	5820
SPD640	5820
SPD1205	5818
SPD1210	5818
SPD1220	5818
SPD1230	5820
SPD1240	5820
SPD2005	6006
SPD2010	6006
SPD2020	6006
SPD2030	6008
SPD2040	6008
SPD-80059	181
SPD-80060	181
SPD-80061	181
SPD-80062	130
SPD-80123	126
SPF024	312
SPF215	222
SPF274	222
SPF310	451
SPF512	222
SPF724	312
SPF792	312
SPF-792	312
SPIK1	116
SPIK2	116
SPK4040	16148
SPN-01	116
SPS08	5491
SPS010	5491
SPS020	5521
SPS030	5541
SPS035	5541
SPS0121	129
SPS-0121	129
SPS0122	128
SPS-0122	128
SPS4	108
SPS12	159
SPS18	5491
SPS20	108
SPS22	159
SPS28	5492
SPS-29	129
SPS38(SCR)	5494
SPS38(Transistor)	108
SPS40	108
SPS-41	123A
SPS42	159
SPS42A	159
SPS43-1	107
SPS47	159
SPS48	5494
SPS49	128
SPS58	5496
SPS68	5496
SPS91	121
SPS110	5491
SPS120	5522
SPS130	5542
SPS135	5542
SPS210	5492
SPS220(SCR)	5524
SPS220(Transistor)	108
SPS230	5543
SPS235	5543
SPS310	5494
SPS320	5527
SPS330	5545
SPS335	5545
SPS401K	159
SPS410	5494
SPS420	5527
SPS428	229
SPS430	5545
SPS435	5545
SPS510	5496
SPS514	159
SPS514A	159
SPS520	5529
SPS530	5547
SPS535	5547
SPS610	5496
SPS620	5529
SPS630	5547
SPS635	5547
SPS636	128
SPS637	129
SPS667	229
SPS690	159
SPS705	46
SPS720	5531
SPS761	288
SPS817	123A
SPS817N	123A
SPS820	5531
SPS837	189
SPS856	107
SPS-856	107
SPS860	107
SPS-860	107
SPS868	123A
SPS871	126A
SPS-952	123A
SPS-952-2	123A
SPS953	123AP
SPS1045	123A
SPS1097	159
SPS1097A	159
SPS1107	188
SPS1342	69
SPS-1351	108
SPS1351	108
SPS1352	108
SPS-1352	108
SPS1353	108
SPS-1353	108
SPS1436	152
SPS1437	153
SPS1473	108
SPS-1473	108
SPS1473(Red)	107
SPS1475	123A
SPS-1475	123A
SPS1475(Ylw)	123A
SPS-1475YT	123A
SPS-1476	123A
SPS1523	159
SPS1523A	159
SPS-1539	159
SPS1539	159
SPS1539(White)	159
SPS1556	289A
SPS1761	188
SPS1762	189
SPS1763	159
SPS1915-1	123AP
SPS1915-2	123AP
SPS2003	216
SPS2110	108
SPS2111	108
SPS-2111	108
SPS2112	107
SPS2168	107
SPS2208-1	319P
SPS2224	108
SPS2225	123A
SPS2226	129
SPS2234	123AP
SPS2265	108
SPS2265-2	108
SPS2266	108
SPS2269	159
SPS2270	123A
SPS2271	199
SPS2272	159
SPS2274	159
SPS2279	159
SPS2292	123AP
SPS2293	123AP
SPS2294	159
SPS2297	159
SPS2306	123AP
SPS2320	229
SPS-2320	229
SPS2323	272
SPS2664	108
SPS3003	108
SPS3015	123A
SPS3329	159
SPS3370	108
SPS3391	123AP
SPS3616	108
SPS3724	159
SPS3724A	159
SPS3735	123A
SPS3751	123A
SPS3786	159
SPS3786A	159
SPS3787	159
SPS3900	123A
SPS3907	123A
SPS3908	123A
SPS3909	123A
SPS3912	128
SPS3914	128
SPS3915	123A
SPS3923	123A
SPS3924	159
SPS3924A	159
SPS3925	123A
SPS3926	123A
SPS3927	159
SPS3927A	159
SPS3929	108
SPS3930	123A
SPS3931	159
SPS3931A	159
SPS3936	123A
SPS3937	108
SPS3938	123A
SPS3940	123A
SPS3948	108
SPS3951	123A
SPS3952	108
SPS3957C	123A
SPS3967	123A
SPS3968	108
SPS3971	108
SPS3972	123A
SPS3973	123A
SPS3987	159
SPS3988	159
SPS3988A	159
SPS3990	159
SPS3990A	159
SPS3999	123A
SPS4002	108
SPS4003	123A
SPS4004	123A
SPS4005	108
SPS4006	123A
SPS4007	159
SPS4007A	159
SPS4008	108
SPS4009	123A
SPS4010	129
SPS4013	159
SPS4013A	159
SPS4014	159
SPS4014A	159
SPS4016	108
SPS4017	123A
SPS4018	159
SPS4018A	159
SPS4019	159
SPS4019A	159
SPS4020	123A
SPS4025	159
SPS4025A	159
SPS4026	159
SPS4026A	159
SPS4027	159
SPS4027A	159
SPS4028	159
SPS4028A	159
SPS4029	123A
SPS4030	108
SPS4031	159
SPS4031A	159
SPS4032	123A
SPS4034	123A
SPS4035	123AP
SPS4036	123AP
SPS4037	123AP
SPS4038	123AP
SPS4039	123A
SPS4040	123A
SPS4041	123A
SPS4042	123A
SPS4043	108
SPS4044	123A
SPS4045	123A
SPS4049	123A
SPS4050	108
SPS4051	108
SPS4052	123A
SPS4053	123A
SPS4054	159
SPS4054A	159
SPS4055	123A
SPS4056	159
SPS4056A	159
SPS4059	123A
SPS4060	123A
SPS4061	123A
SPS4062	123A
SPS4063	123A
SPS4064	159
SPS4064A	159
SPS4066	123A
SPS4067	123A
SPS4068	108
SPS4069	123A
SPS4072	159
SPS4072A	159
SPS4073	159
SPS4073A	159
SPS4074	123A
SPS-4075	123A
SPS4075	123A
SPS4076	159
SPS-4076	129
SPS4076A	159
SPS-4077	128
SPS4077	123A
SPS-4078	129
SPS4078	159
SPS4078A	159
SPS4079	108
SPS4080	108
SPS4081	123A
SPS4082	159
SPS4082A	159
SPS4083	123A
SPS4084	123A
SPS4085	123A
SPS4086	159
SPS4086A	159
SPS4087	159
SPS4087A	159
SPS4088	123A
SPS4089	123A
SPS4090	159
SPS4090A	159
SPS4091	108
SPS4092	211
SPS4095	123A
SPS4099	189
SPS4143	107
SPS-4145	229
SPS4145	229
SPS4167	108
SPS4168	107
SPS4169	123A
SPS4199	123A
SPS4237	185
SPS4272	199
SPS4300	128
SPS4301	129
SPS4302	159
SPS4303	123A
SPS4309	128
SPS4310	129
SPS4311	128
SPS4312	129
SPS4313	123A
SPS4314	159
SPS4314A	159
SPS4343	161
SPS4345	123A
SPS4347	123A
SPS4348	159
SPS4348A	159
SPS4354	159
SPS4354A	159
SPS4355	159
SPS4356	123A
SPS4357	159
SPS4359	123A
SPS4360	123A
SPS4361	128
SPS4363	123A
SPS4365	159
SPS4365A	159
SPS4367	123A
SPS4368	123A
SPS4382	123A
SPS4399	108
SPS4423	108
SPS4446	123A
SPS4450	123A
SPS4451	123A
SPS4452	159
SPS4452A	159
SPS4453	123A
SPS4455	123A
SPS4456	123A
SPS4457	123A
SPS4458	159
SPS4458A	159
SPS4459	123A
SPS4460	159
SPS4460A	159
SPS4461	128
SPS4462	129
SPS4472	123A
SPS4473	159
SPS4473A	159
SPS4476	123A
SPS4477	129
SPS4478	123A
SPS4480	159
SPS4480A	159
SPS4489	159
SPS4489A	159
SPS4490	128
SPS4491	123A
SPS4492	129
SPS4493	123A
SPS4494	123A
SPS4495	128
SPS4497	129
SPS4610	108
SPS4813	159
SPS4814	199
SPS4815	159
SPS4920	123A
SPS4942	123A
SPS5000	123A
SPS5006	123A
SPS5006-1	123A
SPS5006-2	123A
SPS5007	159
SPS5007-1	159
SPS5007-1A	159
SPS5007-2	159
SPS5007-2A	159
SPS5007A	159
SPS5008	159
SPS5159	123AP
SPS5450	194
SPS5450S	194
SPS5451	292
SPS5457	123A
SPS5458	159
SPS5556	123AP
SPS5679K	159
SPS5809	128
SPS6109	159
SPS6109A	159
SPS6111	123A
SPS6112	123A
SPS6113	123A
SPS6124	128
SPS6125	129
SPS6208	159
SPS6571	123A
SPS6607	123AP
SPS6608	159
SPS6682	108
SPS-6682	229
SPS6700	288
SPS6709	123A
SPS6712	159
SPS6713	194
SPS6714	123A
SPS6723	154
SPS7127	229
SPS7314	108
SPS7353	229
SPS7359	123AP
SPS7378	123
SPS7497	188
SPS7652	123A
SPS7867	123AP
SPS-7976	229
SPS8026	123AP
SPS8272	46
SPS8870	108
SPS8871	159
SPT06	5673
SPT08	5673
SPT010	5673
SPT010A	5673
SPT010AB	5673
SPT010B	5673
SPT010BC	5673
SPT010C	5673
SPT015	5673
SPT015A	5673
SPT015AB	5673
SPT015B	5673
SPT015BC	5673
SPT015C	5673
SPT025	5681
SPT025A	5681
SPT025AB	5681
SPT025B	5681
SPT025BC	5681
SPT025C	5681
SPT030	5693
SPT030A	5693
SPT030AB	5693
SPT030B	5693
SPT030BC	5693
SPT030C	5693
SPT040	5693
SPT040A	5693
SPT040AB	5693
SPT040B	5693
SPT040BC	5693
SPT040C	5693
SPT16	5673
SPT18	5673
SPT26	5673
SPT28	5673
SPT36	5675
SPT38	5675
SPT46	5675
SPT48	5675
SPT56	5677
SPT58	5677
SPT66	5677
SPT68	5677
SPT110	5673
SPT110A	5673
SPT110AB	5673
SPT110B	5673
SPT110BC	5673
SPT110C	5673
SPT115	5673
SPT115A	5673
SPT115AB	5673
SPT115B	5673
SPT115BC	5673
SPT115C	5673
SPT125	5682
SPT125A	5682
SPT125AB	5682
SPT125B	5682
SPT125BC	5682
SPT125C	5682
SPT130	5693
SPT130A	5693
SPT130AB	5693
SPT130B	5693
SPT130BC	5693
SPT130C	5693
SPT140	5693
SPT140A	5693
SPT140AB	5693
SPT140B	5693
SPT140BC	5693
SPT140C	5693
SPT210	5673
SPT210A	5673
SPT210AB	5673
SPT210B	5673
SPT210BC	5673
SPT210C	5673
SPT215	5673
SPT215A	5673
SPT215AB	5673
SPT215B	5673
SPT215BC	5673
SPT215C	5673
SPT225	5683
SPT225A	5683
SPT225AB	5683
SPT225B	5683
SPT225BC	5683
SPT225C	5683
SPT230	5693
SPT230A	5693
SPT230AB	5693
SPT230B	5693
SPT230BC	5693
SPT230C	5693
SPT240	5693
SPT240A	5693
SPT240AB	5693
SPT240B	5693
SPT240BC	5693
SPT240C	5693
SPT310	5675
SPT310A	5675
SPT310AB	5675
SPT310B	5675
SPT310BC	5675
SPT310C	5675
SPT315	5675
SPT315A	5675
SPT315AB	5675
SPT315B	5675
SPT315BC	5675
SPT315C	5675
SPT325	5685
SPT325A	5685
SPT325AB	5685
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SPX7590	3041◆
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SR2B-16	5846
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SR2C-4	5834
SR2C-6	5838
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SR10L-2S	5944
SR10L-4R	5945
SR10L-6R	5949
SR10L-6S	5948
SR10L-8R	5949
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SR22V2E	2V014
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SR33V2E	2V020
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SR68V2E	2V040
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SR70C-10S	6064
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SR151V2E	2V095
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SSH5N40	2393◆
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SSH6N60	2377
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SSH30A020S	6084
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SSIC1280	156
SSiC1280	5809
SSiC1660A	5809
SSIC1740	156
SSIC1780	156
SSiC1960A	5809
SSIC1960A	156
SSM5N35	2393◆
SSM5N40	2393◆
SSM6N55	2386
SSM6N60	2386
SSM6N70	2384
SSM6N70A	2384
SSP3N70	2387
SSP3N70A	2387
SSP4N45	2398
SSP4N50	2398
SSP4N55	2387
SSP4N60	2387
SSP4N70	2387
SSP4N70A	2387
SSP5N35	67◆
SSP5N40	67◆
SSP7N12	2388◆
SSP7N15	2388◆
SSP7N18	2388◆
SSP7N20	2388◆
SSP8N12	2388◆
SSP8N15	2388◆
SSP8N18	2388◆
SSP8N20	2388◆
SSP10N05	2390◆
SSP10N06	2390◆
SSP10N08	66
SSP10N10	66
SSP12N05	2390◆
SSP12N06	2390◆
SSP12N08	66◆
SSP12N10	66◆
SSP310	6084
SSP320	6084
SSP330	6084
SSP340	6084
SSP840	6084
SSP1530	6084
SSP1540	6084
SSP2020	6084
SSP2030	6084
SSP2040	6084
SSP3005	6094
SSP3010	6094
SSP3030	6094
SSP3040	6094
SSS4N55	2387#
SSS4N60	2387#
SSS201AJ	1171
SSS301AJ	1171
SSS301AP	975
SSS741CJ	941
SSS747CK	947
SSS747CP	947D
SSS747CY	947D
SSS1408A-6Q	2056
SSS1408A-7Q	2056
ST01	123A
ST02	123A
ST03	123A
ST04	123A
ST05	123A
ST06	123A
ST063C02CCK	5380
ST063C04CCK	5380
ST063C06CCF	5380
ST063C06CCK	5380
ST063C08CCF	5381
ST063C08CCK	5381
ST063C10CCF	5381
ST063C10CCK	5381
ST063C12CCF	5381
ST063C12CCK	5381
ST063S04PCK	5371
ST063S06PCF	5371
ST063S06PCK	5371
ST063S08PCF	5372
ST063S08PCK	5372
ST063S10PCF	5372
ST063S10PCK	5372
ST063S12PCF	5372
ST063S12PCK	5372
ST073C06CFF	5380
ST073C06CFJ	5380
ST073C08CFF	5381
ST073C08CFJ	5381
ST073C10CFF	5381
ST073C10CFJ	5381
ST073C12CFF	5381
ST073C12CFJ	5381
ST073S06PFF	5371
ST073S06PFJ	5371
ST073S08PFF	5372
ST073S08PFJ	5372
ST073S10PFF	5372
ST073S10PFJ	5372
ST073S12PFF	5372
ST073S12PFJ	5372
ST083C02CCK	5380
ST083C04CCK	5380
ST083C06CCK	5380
ST093C06CFF	5380
ST093C06CFJ	5380
ST093C08CFF	5381
ST093C08CFJ	5381
ST093C10CFF	5381
ST093C10CFJ	5381
ST093C12CFF	5381
ST093C12CFJ	5381
ST-021660	129
ST.082.112.005	123A
ST.082.114.015	123A
ST.082.114.016	199
ST.082.115.015	159
ST2	6408
ST-2	6408
ST2-10	5874
ST2-20	5874
ST2-30	5878
ST2-40	5878
ST2-2517	106
ST2(GE)	6408
ST2B	116(4)
ST2FR10N	5819
ST2FR10P	5818
ST2FR20N	5819
ST2FR20P	5818
ST2FR30N	5821
ST2FR30P	5820
ST2FR40N	5821
ST2FR40P	5820
ST2FR60N	5823
ST2FR60P	5822
ST-2N6558	171
ST-2SA562Y	290A
ST-2SA673C	290A
ST-2SA673C2	290A
ST-2SA673D	290A
ST-2SA733P	290A
ST-2SA733Q	290A
ST-2SA733Q(AU)E	290A
ST-2SA733R(AU)E	290A
ST-2SA738C	185#
ST-2SA844C	234
ST-2SA1015-O(AU)B	290A
ST-2SB561C(ECB)	159
ST-2SB568C	398
ST-2SB649AC	374
ST-2SC383TM	85
ST-2SC383W	85
ST-2SC388ATM-1	85
ST-2SC454B	289A
ST-2SC454C	85
ST-2SC458	85
ST-2SC458C	85
ST-2SC460	85
ST-2SC460B	85
ST-2SC535	107
ST-2SC535B	107
ST-2SC605	313
ST-2SC717	107
ST-2SC785-0	229
ST-2SC940	283
ST-2SC945(AU)E	85
ST-2SC945P	85
ST-2SC945Q(AU)E	85
ST-2SC945Q/R	85
ST-2SC945R(AU)E	85
ST-2SC1106	162
ST-2SC1213C	289A
ST-2SC1213D	289A
ST-2SC1213D-24	289A
ST-2SC1447	396
ST-2SC1514	198
ST-2SC1514-05	376
ST-2SC1514-15	376
ST-2SC1674L	107
ST-2SC1730	107
ST-2SC1815GR	85
ST-2SC1815Y(AU)E	85
ST-2SC1855	229
ST-2SC1906	107
ST2SC1921-03	399
ST-2SC1922	389
ST-2SC1923-0	229
ST-2SC2073SO	375
ST-2SC2271E	399
ST-2SC2344E	375
ST-2SC2371L	157
ST-2SC2371M	157
ST-2SD235Y	152
ST-2SD313F	152
ST-2SD401AK	375
ST-2SD467B	85
ST-2SD467C	85
ST-2SD478C	375
ST-2SD669AC	373
ST-2SD748-01	87
ST-2SD748A-01	162
ST-2SD748A-01A	87
ST-2SD820	165
ST-2SD871	89
ST-2SD898B	89
ST-2SD994	89
ST-2SD1177C	373
ST-2SD1178C	373
ST2T003	199
ST3-10	5990
ST3-20	5990
ST3-30	5990
ST3-40	5990
ST3FR10N	6007
ST3FR10P	6006
ST3FR20N	6007
ST3FR20P	6006
ST3FR30N	6009
ST3FR30P	6008
ST3FR40N	6009
ST3FR40P	6008
ST3FR60N	6011
ST3FR60P	6010
ST-3SK60	454§
ST-4	6405§
ST4-10	5986
ST4-20	5986
ST4-30	5990
ST4-40	5990
ST4FR10N	6007◆
ST4FR10P	6006◆
ST4FR20N	6007◆
ST4FR20N(RECT)	6007◆
ST4FR20P	6006◆
ST4FR30N	6009◆
ST4FR30P	6008◆
ST4FR40N	6009◆
ST4FR40P	6008◆
ST4FR60N	6011◆
ST4FR60P	6010◆
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ST5A20P	6026
ST5A20PN	6027
ST5A30P	6034
ST5A30PN	6035
ST5A40P	6034
ST5A40PN	6035
ST5A50P	6040
ST5A50PN	6041
ST5A60P	6040
ST5A60PN	6041
ST5A80P	6042
ST5A80PN	6043
ST5A100P	6044
ST5A100PN	6045
ST9	108
ST10	108
ST11	107
ST12	108

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
ST-12	116
ST13	108
ST14	108
ST-14	116
ST15	108
ST16	116
ST18	125
ST23F	3034A
ST25A	123A
ST25B	123A
ST25C	123A
ST28A	102A
ST-28A	176
ST-28B	100
ST28B	102A
ST28C	102A
ST-28C	100
ST29	108
ST30	108
ST31	108
ST32	108
ST33	108
ST34	108
ST35	108
ST-37C	100
ST37C	102A
ST-37D	100
ST37D	102A
ST37E	102A
ST37O	176
ST39	5007A
ST40	108
ST-41	5005A
ST41	108
ST42	108
ST43	108
ST44	108
ST44T1	51
ST44T2	51
ST44T3	51
ST44T4	51
ST44T5	51
ST44T6	51
ST44T7	51
ST44T8	51
ST44TD3	51
ST44TD4	51
ST44TE3	379
ST44TE4	379
ST44TE5	379
ST45	108
ST47	112
ST50	123A
ST51	123A
ST53	123A
ST54	123A
ST55	123A
ST56	123A
ST57	123A
ST58	123A
ST59	123A
ST60	108
ST61	108
ST62	108
ST63	123A
ST64	123A
ST70	108
ST71	108
ST72	108
ST80	108
ST82	108
ST101	181
ST-103	126A
ST103C02CCJ	5380
ST103C04CCJ	5380
ST103C06CCJ	5380
ST-106	105
ST106	105
ST107	105
ST-107	105
ST-108	105
ST108	105
ST109	105
ST-109	105
ST110	105
ST-110	105
ST111	105
ST-111	105
ST-112	105
ST112	105
ST-122	102A
ST122	102A
ST123	102A
ST-123	102A
ST/123/CR	519
ST-125	160
ST129-1	159
ST/146/CR	519
ST150	123A
ST151	123A
ST152	123A
ST153	123A
ST154	123A
ST155	123A
ST156	123A
ST157	123A
ST160	123A
ST161	123A
ST162	123A
ST163	123A
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ST163S02PCN	5374
ST163S04PCK	5374
ST163S04PCN	5374
ST163S06PCF	5374
ST163S06PCK	5374
ST163S06PCN	5374
ST163S08PCF	5375
ST163S08PCK	5375
ST163S10PCF	5375
ST163S10PCK	5375
ST163S12PCF	5375
ST163S12PCK	5375
ST172	101
ST-172	101
ST173S06PFF	5374
ST173S06PFJ	5374
ST173S08PFF	5375
ST173S08PFJ	5375
ST173S10PFF	5375
ST173S10PFJ	5375
ST173S12PFF	5375
ST173S12PFJ	5375
ST175	123A
ST176	123A
ST177	123A
ST178	123A
ST180	123A
ST180S02P	5374
ST180S04P	5374
ST180S06P	5374
ST180S08P	5375
ST180S10P	5375
ST180S12P	5375
ST181	123A
ST182	123A
ST-201	128
ST210E	5896
ST210EN	5897
ST210P	5874
ST210PN	5875
ST-213	128
ST213	128
ST/217/Q	123A
ST220E	5896
ST220EN	5897
ST220P	5874
ST220PN	5875
ST230E	5900
ST230EN	5901
ST230P	5878
ST230PN	5879
ST235	121
ST-235	121
ST240E	5900
ST240EN	5901
ST240P	5878
ST240PN	5879
ST250	123A
ST250E	5904
ST250EN	5905
ST250P	5882
ST250PN	5883
ST251	123A
ST260E	5904
ST260EN	5905
ST260P	5882
ST260PN	5883
ST260S02P	5377
ST260S04P	5377
ST260S06P	5377
ST260S08P	5378
ST260S10P	5378
ST260S12P	5378
ST280E	5908
ST280EN	5909
ST280P	5886
ST280PN	5887
ST300S02P	5377
ST300S04P	5377
ST300S06P	5377
ST300S08P	5378
ST300S10P	5378
ST300S12P	5378
ST301	102A
ST-301	102A
ST-302	102A
ST302	102A
ST303	102A
ST304	102A
ST-304	102A
ST310P	5982
ST310PN	5983
ST320P	5986
ST320PN	5987
ST330P	5988
ST330PN	5989
ST-332	102A
ST332	102A
ST340P	5990
ST340PN	5991
ST350P	5992
ST350PN	5993
ST360P	5994
ST360PN	5995
ST-370	100
ST370	102A
ST380P	5998
ST380PN	5999
ST382	102A
ST402	192§
ST403	123A
ST410N	5983
ST410P	5982
ST415	108
ST420N	5987
ST420P	5986
ST430N	5989
ST430P	5988
ST440N	5991
ST440P	5990
ST460N	5995
ST460P	5994
ST480N	5999
ST480P	5998
ST501	123A
ST502	123A
ST503	123A
ST504	123A
ST525	385
ST530	384
ST531	386
ST532	386
ST535	385
ST536	385
ST537	386
ST538	386
ST539	386
ST540	386
ST554	385
ST556	385
ST558	283
ST559	283
ST560	283
ST561	283
ST562	283
ST563	283
ST610P	6154
ST610PN	6155
ST620P	6154
ST620PN	6155
ST630P	6154
ST630PN	6155
ST640P	6154
ST640PN	6155
ST650P	6156
ST650PN	6157
ST660P	6156
ST660PN	6157
ST666	97
ST667	97
ST668	98
ST680P	6158
ST680PN	6159
ST903	108
ST904	108
ST904A	108
ST905	108
ST910	108
ST910P	6354
ST910PN	6355
ST920P	6354
ST920PN	6355
ST930P	6354
ST930PN	6355
ST940P	6354
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ST950P	6356
ST950PN	6357
ST960P	6356
ST960PN	6357
ST980P	6358
ST980PN	6359
ST1026	108
ST1050	108
ST1051	108
ST1076	397
ST1100PN	6073
ST1105P	6048
ST1105PN	6049
ST1110P	6050
ST1110PN	6051
ST1120P	6054
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ST1150PN	6065
ST1160P	6064
ST1160PN	6065
ST1180P	6068
ST1180PN	6069
ST-1242	123A
ST1242	123A
ST1243	123A
ST-1243	123A
ST-1244	123A
ST1244	123A
ST1287	288
ST1290	123A
ST-1290	123A
ST1336	108
ST1402	123AP
ST1402C	123AP
ST1402D	123AP
ST1402E	123AP
ST1410	283
ST1411	283
ST1423	283
ST1424	283
ST1425	283
ST1430	283
ST1431	283
ST1502	107
ST1502C	108
ST1502CD	107
ST1502D	107
ST1502L	123AP
ST1504	192§
ST1505	192§
ST1506	123A
ST1543	123A
ST1602D	159
ST1602E	159
ST-1602E(ECB)	159
ST1607	123A
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ST1610PN	6155
ST1612N	6163
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ST1650P	6156
ST1650PN	6157
ST1660P	6156
ST1660PN	6157
ST1680P	6158
ST1680PN	6159
ST1694	123A
ST1700	123A
ST1702M	123AP
ST1702N	85
ST1802	159
ST1802M	294
ST2010P	6354
ST2010PN	6355
ST2020P	6354
ST2020PN	6355
ST2030P	6354
ST2030PN	6355
ST2040P	116
ST-2040P	116
ST2040P(STUD)	6354
ST2040PN	6355
ST2050P	6356
ST2050PN	6357
ST2060P	6356
ST2060PN	6357
ST2080P	6358
ST2080PN	6359
ST2100E	5910
ST2100EN	5911
ST2100P	5890
ST2100PN	5891
ST2110	108
ST2120	161
ST2210P	6104
ST2210PN	6105
ST2220P	6104
ST2220PN	6105
ST2230P	6104
ST2230PN	6105
ST2240P	6104
ST2240PN	6105
ST2250P	6104
ST2250PN	6105
ST2260P	6104
ST2260PN	6105
ST2280P	6104
ST2280PN	6105
ST3030	123
ST3031	123
ST3040	98
ST3041	98
ST3042	98
ST3100P	6002
ST3100PN	6003
ST3904	123AP
ST3906	159
ST4100N	6003
ST4100P	6002
ST4150	128
ST4201	128
ST4202	128
ST4203	128
ST4204	128
ST4341	128
ST4645	129
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ST6062	98
ST6100P	6158
ST6100PN	6159
ST6110	108
ST6120	108
ST6120N	6163
ST6120P	6162
ST6125	108
ST6130	123A
ST6140N	6163
ST6140P	6162
ST6400B-2	5688
ST6400D-2	5689
ST6400M-2	5690
ST6503	2319
ST6573	128
ST6574	128
ST6593	123A
ST6600	123A
ST6601	128
ST7100	199
ST8014	159
ST8033	159
ST8033A	159
ST8034	159
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ST8035	159
ST8035A	159
ST8036	159
ST8036A	159
ST8065	159
ST8065A	159
ST8120N	6363
ST8120P	6362
ST8140N	6363
ST8140P	6362
ST8181	159
ST8182	159
ST8183	129
ST8184	129
ST8190	159
ST8191	129
ST8230	129
ST8299	159
ST8500	159
ST8500A	159
ST8509	159
ST8509A	159
ST8700	159
ST8704	159
ST8705	159
ST8709	159
ST9011G	123AP
ST9012H	159
ST9013H	123AP
ST9014C	123AP
ST9015C	159
ST9018F	108
ST9018G	108
ST9100P	6358
ST9100PN	6359
ST9120N	6363
ST9120P	6362
ST9140N	6363
ST9140P	6362
ST10000	98
ST10001	98
ST10002	97
ST10003	97
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ST10007	97
ST10008	98
ST10009	98
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ST10015	99
ST10022	99
ST10023	99
ST11100N	6073
ST11100P	6072
ST11120N	6079
ST11120P	6078
ST12002	389
ST12003	389
ST12004	165
ST12005	238
ST12007	2303
ST13004	51
ST13005	51
ST13006	379
ST13007	2312
ST13008	379
ST13009	379
ST13014	385
ST13015	2319
ST13070	52
ST13071	52
ST13080	2319
ST13081	2319
ST13090	2319
ST13091	2319
ST13330	386
ST13331	386
ST13332	386
ST13333	386
ST13334	386
ST13335	386
ST15012	68
ST15022	388
ST15023	68
ST15024	388
ST15025	68
ST16100P	6158
ST16100PN	6159
ST16120N	6163
ST16120P	6162
ST16140N	6163
ST16140P	6162
ST20100P	6358
ST20100PN	6359
ST20120N	6363
ST20120P	6362
ST20140N	6363
ST20140P	6362
ST22100P	6104
ST22100PN	6105
ST22546-1	519
ST27020	153
ST29045	180
ST29046	180
ST29047	180
ST32012-0037	519
ST33026	199
ST61000	193
ST72039	129
ST72040	129
ST84027	198
ST84028	198
ST84029	198
ST984539-006	9948
ST 254 Q	128
STA608XFXXXX1	290A
STA608XFXXXXB	290A
STA608XGXXXXB	290A
STA7018	165
STA7604	327
STA8341	283
STA9364	162
STB01-02	177
STB0101	552
STB4	5002A
STB598XEXXXXX(ECB)	159
STB698XFXXXXX(ECB)	159
ST-BC337-25	123AP
ST-BC547B(CBE)	123AP
ST-BC548B(CBE)	123AP
ST-BC557B(CBE)	159
ST-BDY92	328
ST-BF422	399
ST-BF459	157
ST-BF960	455
STBFR60P	6010
STBOL-02	116
ST-BU-205-01A	165
ST-BU208	165
STC536XEXXXU1	85
STC536XFXXXU1	85
STC536XFXXXUB	85
STC536XGXXXUB	85
STC930XE1XXC1	107
STC930XEXXXR1	107
STC-1035	130
STC1035	130
STC1035A	130
ST-1035A	130
STC1036	130
STC-1036	130
STC-1036A	130
STC1036A	130
STC1080	130
STC1081	130
STC1082	130
STC1083	130
STC1084	130
STC-1085	130
STC1094	181
STC1300	152
STC1336	192§
STC1674LXXXXX	107
STC1800	186
STC1850	152
STC1860	152
STC1862	186
STC2220	181
STC2221	181
STC2224	181
STC2225	181
STC2228	181
STC2229	181
STC4252	130
STC4253	130
STC4254	130
STC4255	130
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STC4401	175
STC5202	153
STC5203	153
STC5205	153
STC5206	153
STC5303	153
STC5610	129
STC5611	129
STC5612	129
STC5805	153
STC5806	153
STD330XEXXXXX	152
STD545XEXXXXX	293
STD612XFXXXXX	184
STD734XFXXXXX	85
STD9007	186
STE400	108
STH7N90	2377
STH7N90FI	2377#
STH7251	197
ST-HIT9012H	290A
ST-HIT9013H	123AP
ST-HIT9014C	123AP
ST-HIT9016G	229
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STK022	1090§
STK-024	1332§
STK-025	1090§
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STK-027	1274§
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STK031	1332§
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STK-032	1090§
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STK5486	7038
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STP5N50FI	2398#
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STP25N06	2396◆
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SV45	143A
SV46	145A
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SV48	5077A
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SV122	135A
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SVIM54517P	2079
SVINJM4559DD	778A
SVINJM4559DS	778A
SVI-ST020F	1025
SVISTK0025K	1320
SVISTK0029N	1320
SVI-STK018	1139
SVI-STK020F	1025
SVITA7129P	1462§
SVITA7318P	1498
SVIUPC1161C	1489
SVIUPD4066C	4066B
SV-KB262	605A
SVM61	137A
SVM111	141A
SVM601	137A
SVM602	137A
SVM605	137A
SVM1105	141A
SVM6010	137A
SVM6011	137A
SVM6020	137A
SVM6021	137A
SVM11020	141A
SVT6000	98
SVT6001	98
SVT6002	98
SVT6060	98
SVT6061	98
SVT6062	98
SVT6251	97
SVT6252	97
SVT6702	394
SVVD1220XXXXX	605A
SVVD1221LXXXX	605A
SW0.5A	116
SW01	142A
SW02PCN012	5916
SW02PCN040	6054
SW02PCN055	6074
SW02PCN075	6074
SW02PCR012	5917
SW02PCR040	6055
SW02PCR055	6075
SW02PCR075	6075
SW02PHN300	6106
SW02PHN400	6106
SW02PHR300	6107
SW02PHR400	6107
SW04PCN012	5920
SW04PCN040	6060
SW04PCN055	6076
SW04PCN075	6076
SW04PCR012	5921
SW04PCR040	6061
SW04PCR055	6077
SW04PCR075	6077
SW04PHN300	6106
SW04PHN400	6106
SW04PHR300	6107
SW04PHR400	6107
SW05	116
SW-05	5800
SW-05-005	116
SW05-01	116
SW-05-02	116
SW05-02	116
SW05A	116
SW05B	116
SW05C	125
SW05D	125
SW05S	116
SW05SS	116
SW-05V	116
SW05V	116
SW06PCN012	5924
SW06PCN040	6064
SW06PCN055	6078
SW06PCN075	6078
SW06PCR012	5925
SW06PCR040	6065
SW06PCR055	6077
SW06PCR075	6077
SW06PHN300	6106
SW06PHN400	6106
SW06PHR300	6107
SW06PHR400	6107
SW08PCN012	5928
SW08PCN040	6068
SW08PCN055	6078
SW08PCN075	6078
SW08PCR012	5929
SW08PCR040	6069
SW08PCR055	6079
SW08PCR075	6079
SW08PHN300	6106
SW08PHN400	6106
SW08PHR300	6107
SW08PHR400	6107
SW1	156
SW-1	156
SW-1-01	156
SW-1-02	156
SW-1A	116
SW1C	125
SW1D	125
SW4F013	291
SW10PCN012	5932
SW10PCN040	6072
SW10PCN055	6078
SW10PCN075	6078
SW10PCR012	5933
SW10PCR040	6073
SW10PCR055	6079
SW10PCR075	6079
SW10PHN300	6106
SW10PHN400	6106
SW10PHR300	6107
SW10PHR400	6107
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SW12PCN075	6078
SW12PCR040	6079
SW12PCR055	6079
SW12PCR075	6079
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SW12PHR300	6107
SW12PHR400	6107
SW14PHN300	6106
SW14PHN400	6106
SW14PHR300	6107
SW14PHR400	6107
SW15PHN300	6106
SW15PHN400	6106
SW15PHR300	6107
SW15PHR400	6107
SW705-2M	9093
SW705-2P	9093
SW706-2M	9099
SW706-2P	9099
SW708-2M	9094
SW708-2P	9094
SW709-2M	9097
SW709-2P	9097
SW930-2M	9930
SW930-2P	9930
SW932-2M	9932
SW932-2P	9932
SW933-2M	9933
SW933-2P	9933
SW935-2M	9935
SW935-2P	9935
SW936-2M	9936
SW936-2P	9936
SW937-2M	9937
SW937-2P	9937
SW941-2M	9941
SW941-2P	9941
SW944-2M	9944
SW944-2P	9944
SW945-2M	9945
SW945-2P	9945
SW946-2M	9946
SW946-2P	9946
SW948-2M	9948
SW948-2P	9948
SW949-2M	9949
SW949-2P	9949
SW950-2M	9950
SW950-2P	9950
SW951-2M	9951
SW951-2P	9951
SW957-2M	9157
SW957-2P	9157
SW958-2M	9158
SW958-2P	9158
SW961-2M	9961
SW961-2P	9961
SW962-2P	9962
SW963-2M	9963
SW963-2P	9963
SW1808-2M	9808
SW1808-2P	9808
SW4066B	4066B
SW7481	7481§
SW-10548	9937
SW-10549	9158
SWC	125
SWD	125
SWSC-7	4011B
SWT1032	159
SWT1042	123AP
SWT1728	126A
SWT3588	160
SX6.8	5120A
SX8.2	5122A
SX9.1	5124A
SX10	5125A
SX11	5126A
SX12	5127A
SX13	5128A
SX15	5130A
SX16	5131A
SX18	5133A
SX20	5135A
SX22	5136A
SX24	5137A
SX27	5139A
SX30	5141A
SX33	5142A
SX36	5143A
SX39	5144A
SX43	5145A
SX47	5146A
SX51	5147A
SX55	123A
SX56	5148A
SX-58Y	312
SX60M	154
SX61	129
SX61M	159
SX61MA	159
SX62	5150A
SX68	5151A
SX75	5152A
SX82	5153A
SX91	5155A
SX100	5156A
SX110	5157A
SX120	5158A
SX408	229
SX623	116
SX631	116
SX633	116

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
SX641	116
SX-642	116
SX642	116
SX643	116
SX644	116
SX645	116
SX751	5874
SX752	5874
SX753	5878
SX754	5878
SX780	177
SX-990	109
SX3001	108
SX3702	159
SX3702A	159
SX3709	123A
SX3711	123A
SX3819	312
SX-3825	108
SX3825	108
SX3826	229
SX3827	108
SY20	5196A
SY22	5197A
SY24	5198A
SY27	5200A
SY30	5202A
SY205D	3011
SY403D	3021
SY2101P-4	2102
SY2102	2102
SY2102-1	2102
SY2102-4	2102
SY2102A	2102
SY2102A-4	2102
SY2102AC	2102
SY2102AC-4	2102
SY2102AD	2102
SY2102AD-4	2102
SY2102AP	2102
SY2102AP-4	2102
SY2102C	2102
SY2102C-1	2102
SY2102C-4	2102
SY2102D	2102
SY2102D-1	2102
SY2102D-4	2102
SY2102P	2102
SY2102P-1	2102
SY2114	2114
SY2114-3	2114
SY2114-4	2114
SY2114C	2114
SY2114C-3	2114
SY2114C-4	2114
SY2114D	2114
SY2114D-3	2114
SY2114D-4	2114
SY2114P	2114
SY2114P-3	2114
SY2114P-4	2114
SY2128	2128
SY2128-3	2128
SY2128-4	2128
SY2147	2147
SY2147-3	2147
SY2147C	2147
SY2147C-3	2147
SY2147D	2147
SY2147D-3	2147
SY2147L	2147
SY2147LC	2147
SY2147LD	2147
SY2147LP	2147
SY2147P	2147
SY2147P-3	2147
SY5101	65101
SY5101C	65101
SY5101C-1	65101
SY5101C-3	65101
SY5101C-8	65101
SY5101D	65101
SY5101D-1	65101
SY5101D-3	65101
SY5101D-8	65101
SY5101P	65101
SY5101P-1	65101
SY5101P-3	65101
SY5101P-8	65101
SY6502	6502
SY6532	6532
SY6532C	6532
SY6532D	6532
SY6532P	6532
SY6821	6821
SY6821P	6821
SY61583	176
SYC-201	614
SYC2114	2114
SYC2114-3	2114
SYC2114-4	2114
SYC2128	2128
SYC2128-3	2128
SYC2128-4	2128
SYC2716	2716
SYC6502	6502
SYC6507	6507
SYD2114	2114
SYD2114-3	2114
SYD2114-4	2114
SYD2128	2128
SYD2128-3	2128
SYD2128-4	2128
SYL-101	101
SYL101	101
SYL102	101
SYL-102	101
SYL103	103
SYL-103	103A
SYL104	103
SYL-104	103A
SYL-105	100
SYL105	100
SYL106	100
SYL-106	100
SYL107	102
SYL-107	102A
SYL107A	102A
SYL108	102
SYL-108	102A
SYL108A	102A
SYL109	121
SYL128	110MP
SYL152	123
SYL-152	103A
SYL160	100
SYL-160	100
SYL792	101
SYL1182	123A
SYL-1182	123A
SYL1279	101
SYL1288	103A
SYL1297	103
SYL-1297	101
SYL-1310	101
SYL1310	101
SYL-1311	101
SYL1311	101
SYL1312	101
SYL1313	101
SYL1326	101
SYL1327	101
SYL-1329	103A
SYL1329	103
SYL1380	101
SYL1396	103
SYL-1396	103A
SYL1408	101
SYL1430	102
SYL1454	101
SYL1468	103A
SYL1524	103
SYL-1524	103A
SYL1535	102
SYL1536	103
SYL1537	101
SYL1538	103
SYL1539	103
SYL1547	103
SYL1583	102
SYL-1583	102A
SYL1583A	102A
SYL1588	100
SYL1591	101
SYL1608	100
SYL-1608	100
SYL1617	101
SYL1655	102
SYL1655A	102A
SYL1665	102
SYL1665A	102A
SYL1668	102
SYL-1668	102A
SYL1668A	102A
SYL1690	100
SYL1697	100
SYL1717	100
SYL1750	101
SYL1941	101
SYL1987	101
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SYL-2130	101
SYL2131	101
SYL-2131	101
SYL-2132	101
SYL2132	101
SYL-2134	103A
SYL2134	103
SYL2135	103
SYL-2135	103A
SYL-2136	103A
SYL2136	103
SYL2189	160
SYL-2245	101
SYL2245	101
SYL2246	101
SYL-2246	101
SYL2247	100
SYL-2248	100
SYL2248	102
SYL2248A	102A
SYL-2249	100
SYL2249	102
SYL2249A	102A
SYL-2250	100
SYL2250	100
SYL2300	102
SYL-2300	108
SYL2300A	102A
SYL2650	103
SYL3460	123A
SYL3613	102
SYL3613A	102A
SYL-4131	108
SYL4131	108
SYL4275	159
SYL4280	128
SYL-4315	103A
SYL4315	103
SYL4339	101
SYP2114	2114
SYP2114-3	2114
SYP2114-4	2114
SYP2128	2128
SYP2128-3	2128
SYP2128-4	2128
SYP6502	6502
SYP6507	6507
SZ2.7	5063A
SZ3.6	134A
SZ4.7	135A
SZ4.7B	5069A
SZ5	135A
SZ5.1	135A
SZ5.1B	5116A
SZ5.6	136A
SZ5.6B	136A
SZ6.2	137A
SZ6.2A	137A
SZ6.2B	137A
SZ6.8B	5071A
SZ7	5014A
SZ-7	138A
SZ7.5B	138A
SZ8.2B	5072A
SZ-9	139A
SZ9	139A
SZ9.1	139A
SZ9.1B	139A
SZ10	140A
SZ10B	140A
SZ10C	5125A
SZ11	5074A
SZ11B	5074A
SZ11C	5126A
SZ11.0	141A
SZ12	142A
SZ12B	142A
SZ12C	5127A
SZ12.0	142A
SZ13	143A
SZ13B	143A
SZ13C	5128A
SZ13.0	143A
SZ14	144A
SZ15	145A
SZ-15B	145A
SZ15B	145A
SZ15C	5130A
SZ15.0	145A
SZ16B	5075A
SZ16C	5131A
SZ18	5027A
SZ18B	5077A
SZ18C	5133A
SZ20	5029A
SZ20B	5079A
SZ20C	5135A
SZ22B	5080A
SZ22C	5136A
SZ24B	5081A
SZ24C	5137A
SZ27B	146A
SZ27C	5139A
SZ30B	5084A
SZ30C	5141A
SZ33B	147A
SZ33C	5142A
SZ36B	5085A
SZ56A	5117A
SZ62A	5119A
SZ68A	5120A
SZ75A	5121A
SZ82A	5122A
SZ91A	5124A
SZ119	5081A
SZ-120	5021A
SZ-120(AU)	5021A
SZ150	145A
SZ-150	145A
SZ200	135A
SZ200-5	135A
SZ-200-8	139A
SZ200-8.2	5072A
SZ-200-9V	139A
SZ-200-13	143A
SZ-200-15	145A
SZ-200-15A	145A
SZ671-B	142A
SZ671-G	142A
SZ671-O	5074A
SZ671-W	5074A
SZ961-B	145A
SZ961-R	144A
SZ961-V	143A
SZ961-Y	144A
SZ1200	148A
SZ11763	151A
SZ13447	5009A
SZ13448	5014A
SZ13450	5066A
SZ13451	136A
SZ13452	137A
SZ13453	139A
SZ13454	140A
SZ13455	146A
SZ13456	5103A
SZ14026	5077A
SZA13	143A
SZA100	156
SZ-AW01-11	5074A
SZ-BZ-110	5074A
SZ-BZ-120	142A
SZC9	139A
SZ-EQB01-12A	142A
SZ-HZ5C1	5010T1
SZ-HZ9B3	5018A
SZ-HZ12A2	5021T1
SZ-HZ20-04	5029A
SZL9	5185A
SZL10	5186A
SZ-LA4102	1228
SZ-RD3.3EB	5005A
SZ-RD3.9EB2	5007A
SZ-RD5.1FB	135A
SZ-RD6.2E	5013A
SZ-RD6.2EB	137A
SZ-RD6.2EB3	5013A
SZ-RD9.1EB2	5018A
SZ-RD10EB	5019A
SZ-RD10EB3	5019A
SZ-RD11EB2	5020A
SZ-RD11FB	5074A
SZ-RD12B(AU)	5021A
SZ-RD12EB	5021A
SZ-RD12EB3	5021A
SZ-RD12FB	142A
SZ-RD12FB2	142A
SZ-RD13EB1	5022A
SZ-RD24EB	5031A
SZT8	142A
SZT9	139A
SZT-9	139A
SZ-UZ6.2B	5013A
SZ-UZ-6.2B	5013A
SZ-UZ12B	5021A
SZ-UZ-12B	5021A
SZ-UZP-11B	5074A
SZ-UZP-12B	142A
SZ-WZ-063	5013A
SZ-WZ-110	5020A
SZ-WZ120	5021A
SZ-WZ-120	5021A
SZ-YZ063	5013A
SZ-YZ-063	5013A
SZ-ZD-4A2	5008A
SZ-ZD-4A3	5008A
T0003	102A
T0004	102A
T0005	102A
T00014	102A
T-00014	102A
T0012	102A
T0014	102A
T0015	102A
T0031	102A
T0033	102A
T0038	102A
T0039	102A
T0040	102A
T0041	102A
T0051	102A
T0.8N0.6AOO	5408
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T0.8N3.AOO	5409
T0.8N4.AOO	5409
T0.8N5.AOO	5410
T01-013	123A
T01-014	123A
T01-021	121
T01-022	128
T01-023	159
T01-030	152
T01-044	312
T01-047	199
T01-101	123A
T01-104	123A
T01-105	123A
T033Z3	100
T065	116
T-065	116
T075	116
T-075	116
T0101	100
T0-101	100
T0-102	100
T0102	100
T-0150	116
T0150	116
T0225X	5534A
T0253	314
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T0410DJ	5620
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T0410NJ	5620
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T0505DH	5608
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T0512NH	5610
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T0605NH	5610
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T0609MH	5609
T0609NH	5610
T0610BH	5608
T0610BJ	5638
T0610DH	5608
T0610DJ	5638
T0610MH	5609
T0610MJ	5620
T0610NH	5610
T0610NJ	5620
T0612BH	5608
T0612BJ	5638
T0612DH	5608
T0612DJ	5638
T0612MH	5609
T0612MJ	5620
T0612NH	5610
T0612NJ	5620
T0625X	5534A
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T0805BH	5608
T0805DH	5608
T0805MH	5609
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T0809DH	5608
T0809MH	5609
T0809NH	5610
T0810BH	5608
T0810BJ	5638
T0810DH	5608
T0810DJ	5620
T0810MH	5609
T0810MJ	5620
T0810NH	5610
T0810NJ	5620
T0812BH	5633
T0812BJ	5638
T0812DH	5635
T0812DJ	5620
T0812MH	5637
T0812MJ	5620
T0812NJ	5620
T0813BJ	5645
T0813DJ	5645
T0813MJ	5645
T0813NJ	5620
T01003	314
T02003	314
T03003	314
T04003	314
T-04689	128
T0A1748V	1171
T0A2709P	909D
T0A2709V	909
T0A2741E	941D
T0A2741V	941
T0A2748V	1171
T0C058	5655
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T0C058T	5655
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T0C108	5655
T0C108S	5655
T0C108T	5655
T0C108V	5655◆
T0C208	5655
T0C208S	5655
T0C208T	5655
T0C208V	5655◆
T0C408	5656
T0C408S	5656
T0C408T	5656
T0C408V	5656◆
T0C608	5657
T0C608S	5657◆
T0C608T	5657
T0C608V	5657
T.4HP521	3081◆
T1-1A6	123A
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T1-503A	159
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T1-743A	159
T1-744	159
T1-744A	159
T1-752	159
T1-752A	159
T1-906	159
T1A	704
T1A727	222
T1B	703
T1C22	5667A
T1C23	5667A
T1C44(AGK)	5400
T1C45(AGK)	5401
T1C46(AGK)	5402
T1C47(AGK)	5404
T1C54	6407
T1C55	6406§
T1C56	6407
T1C57	6406§
T1C60	5400
T1C61	5401
T1C62	5402
T1C63	5404
T1C64	5404
T1C106A	5437
T1C106B	5437
T1C106C	5437
T1C106D	5437
T1C106F	5437
T1C106Y	5437
T1C116A	5462
T1C116B	5463
T1C116C	5465
T1C116D	5465
T1C116F	5461
T1C126A	5462
T1C126B	5463
T1C126C	5465
T1C126D	5465
T1C126E	5466
T1C126F	5461
T1C126M	5466
T1C205A	5650
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T1C205D	5652
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T1C222E	5677
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T1C226D	56006
T1C232B	5673
T1C232D	5675
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T1C236B	56004
T1C236D	56006
T1C242B	5673
T1C242D	5675
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T1C252B	5683
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T1C252M	5687
T1C262B	5683
T1C262D	5685
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T1C262M	5687
T1C272B	5693
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T1C272E	5697
T1C272M	5697
T1C2420	5677
T1E	722
T1F	748A
T1G	109
T1H	710
T1J	718
T1J6G	116
T1K	798
T1L31	3028
T1L112	3040
T1L115	3040
T1L117	3041
T1L118	3040◆
T1L119	3045
T1L124	3041
T1L125	3041
T1L126	3041
T1L127	3084
T1L128	3084
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T1L144	3100
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T1L146	3101
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T1L220	3020
T1L228-2	3019
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T1L304	3051
T1L313P	3057
T1M	717
T1M-01	160
T1M-10	160
T1M-11	160
T1N	718
T1N300	5409
T1N400	5409
T1P3A	197
T1P4	196
T1P14	184
T1P-14	152
T1P-24	196
T1P24	152
T1P27	157
T1P29	291
T1P29A	291
T1P29B	291
T1P29C	291
T1P29X	291
T1P29XA	291
T1P30	292
T1P30A	292
T1P30B	292
T1P30C	292
T1P-31	152
T1P31	152
T1P31A	291
T1P-31A	152
T1P31/A	152
T1P31B	291
T1P31/B	291
T1P-31B	291
T1P31/C	291
T1P-31C	291
T1P-31C	291
T1P32	153
T1P-32	153
T1P-32A	153
T1P32A	153
T1P32/A	153
T1P32B	292
T1P32/B	292
T1P-32B	292
T1P32C	292
T1P-32C	292
T1P32/C	292
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T1P33	390
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T1P-33A	390
T1P33/B	390
T1P-33B	390
T1P33B	390
T1P33C	390
T1P-33C	390
T1P33/C	390
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T1P-34	391
T1P34/A	391
T1P34A	391
T1P-34A	391
T1P34B	391
T1P34/B	391
T1P-34B	391
T1P-34C	391
T1P34/C	391
T1P34C	391
T1P-35	392
T1P35	392
T1P-35A	392
T1P35A	392
T1P35/A	392
T1P35/B	392
T1P-35B	392
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T1P35/C	392
T1P35C	392
T1P-35C	392
T1P36	393
T1P-36	393
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T1P36/B	393
T1P36B	393
T1P-36B	393
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T1P36/C	393
T1P-36C	393
T1P-41	331
T1P41	331
T1P41/A	331
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T1P-41A	331
T1P41/B	331
T1P41B	331
T1P41/C	331
T1P-41C	331
T1P41C	331
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T1P42C	332
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T1P58A	2310
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T1P73B	331
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T1P-73C	331
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T1P137	262
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T1P140T	2343
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T1P141T	2343
T1P142	270
T1P142T	2343
T1P145	271
T1P145T	2344
T1P146	271
T1P146T	2344
T1P147	271
T1P147T	2344
T1P160	2316
T1P161	2316
T1P162	2316
T1P418	331
T1P501	2347
T1P502	2347
T1P503	175
T1P505	95◆
T1P506	95◆
T1P509	328
T1P510	328
T1P515	328
T1P516	327
T1P525	385
T1P526	736
T1P530	364
T1P531	386
T1P532	386
T1P535	385
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T1P540	386
T1P541	2347◆
T1P544	285
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T1P546	285
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T1P620	243
T1P621	243
T1P625	244
T1P626	244
T1P640	270
T1P641	270
T1P642	270
T1P645	271
T1P646	271
T1P647	271
T1P666	97
T1P667	97
T1P668	98
T1P2955	393
T1P3055	392
T1PL760	2333
T1PL760A	2333
T1PL775	97
T1PL775A	97
T1R01	116
T1R02	116
T1R03	116
T1R04	116
T1R05	116
T1R06	116

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To Be Replaced	ECG Replacement
T1R07	125
T1R08	125
T1R09	125
T1R10	125
T1S03	159
T1S-03	159
T1S03A	159
T1S04	159
T1S04A	159
T1S5A	159
T1S14	312
T1S-18	229
T1S18	229
T1S22	123A
T1S23	123A
T1S24	108
T1S34	312
T1S37	159
T1S37A	159
T1S38	159
T1S38A	159
T1S41	466
T1S42	312
T1S43	6409§
T1S44	123A
T1S45	123A
T1S46	123A
T1S47	123A
T1S48	123A
T1S49	123A
T1S50	159
T1S51	123A
T1S52	123A
T1S53	159
T1S53A	159
T1S54	159
T1S55	123A
T1S56	123A
T1S57	123A
T1S58	457
T1S58Y	290A
T1S59	312
T1S60	123A
T1S60A	128
T1S60B	128
T1S60C	128
T1S60D	128
T1S60E	128
T1S60M	128
T1S61	159
T1S61A	159
T1S61B	129
T1S61C	129
T1S61D	129
T1S61E	129
T1S61M	129
T1S62	108
T1S63	108
T1S64	108
T1S71	123A
T1S72	123A
T1S73	467
T1S73(GDS)	466
T1S74(GDS)	466
T1S78	312
T1S79	312
T1S82	186
T1S83	123A
T1S84	108
T1S85	108
T1S86	107
T1S87	107
T1S88	312
T1S-88	312
T1S90	123A
T1S90-2	123A
T1S91	159
T1S91A	159
T1S92	123A
T1S92-BLU	123A
T1S92-GRN	123A
T1S92-GRY	123A
T1S92M	128
T1S92-VIO	123A
T1S92-YEL	123A
T1S93	159
T1S93A	159
T1S93-BLU	159
T1S93-GRN	159
T1S93-GRY	159
T1S93M	129
T1S93-VIO	159
T1S93-YEL	159
T1S94	108
T1S96	123A
T1S97	107
T1S-97	199
T1S98	108
T1S98A	108
T1S99	107
T1S100	154
T1S101	154
T1S102	154
T1S103	154
T1S104	159
T1S105	108
T1S106	194
T1S107	128
T1S108	107
T1S109	195A
T1S110	195A
T1S111	195A
T1S112	159
T1S113	123A
T1S114	123A
T1S132	171
T1S133	171
T1S412	107
T1SZ8	108
T1T	755
T1V	917
T1X-M14	161
T1X-M15	161
T1XM15	108
T1X-M16	161
T1XM17	108
T1XS11	464§
T1XS-39	77
T1XS67	464§
T1Y	917
T1Z	722
T2A	722
T2A(I.C.)	798
T2A(Motorola)	722
T2A(Transistor)	172A
T2C	722
T2D	723
T2E	753§
T2F	718
T2G	723
T2G(Diode)	109
T2G(I.C.)	723
T2J	708
T2L	772A
T2M	781§
T2N	789
T2N1	789
T2N-1	789
T2R	778A
T2SA495-O	290A
T2SA562-O	290A
T2SA940	398
T2SC388A	107
T2SC1195S	94
T2SC1829S	86
T2SC1893S	389
T2SC1894S	238
T2SC2068	376
T2SC2068-1	376
T2SC2073	375
T2SC2120Y	289A
T2SC2229-O	399
T2SC2229Y	399
T2SC2230AY	399
T2SD657S	162
T2T	788
T2T-1	788
T2T-2	788
T2V	736
T2W80HFX	2348
T3/2	116
T3-6	343
T3-13	344
T3-20	342
T3-27	341
T3A	743
T3A-1	743
T3A-2	743
T3B	941M
T3G	109
T3N0,5POB	5461
T3N0,6000	5470
T3N1POB	5462
T3N2POB	5463
T3N4POB	5465
T3N50	5470
T3N50COB	5470
T3N/50T	5470
T3N100	5471
T3N100COB	5471
T3N/100T	5471
T3N200	5472§
T3N200COB	5472§
T3N/200T	5472§
T3N300	5474§
T3N300COB	5474§
T3N/300T	5474§
T3N400	5474§
T3N400COB	5474§
T3N/400T	5474§
T3N500	5476
T3N500COB	5476
T3N/500T	5476
T3N600	5476
T3N600COB	5476
T3N/600T	5476
T3N1000	5471
T3N2000	5472§
T3N3000	5474§
T3N4000	5474§
T3N5000	5476
T3N6000	5476
T3V40F1	51
T3W80	2325
T3W80A	2309
T3W80HFX	2348
T4,5/50(Blue)	5481§
T4,5/50COR	5481§
T4,5/100(Brown)	5482§
T4,5/100COR	5482§
T4,5/200(Green)	5483§
T4,5/200COR	5483§
T4,5/300(YELLOW)	5485§
T4,5/300COR	5485§
T4,5/400(White)	5485§
T4,5/400COR	5485§
T4F	1115
T6N100COB	5502
T6N200COB	5504
T6N300COB	5507
T6N400COB	5507
T6N500COB	5509
T6W80	2309
T6W80HDT	2348
T6W80HFX	2348
T7	109
T8/2	116
T8G	109
T8L05A	977
T8M40F1	53
T8N100COB	5502
T8N200COB	5504
T8N300COB	5507
T8N400COB	5507
T8N500COB	5509
T8W40F1	2308
T8Y40F1	2308
T9	109
T9G	109
T9G0041203DH	5598
T9G0060803DH	5598
T9G0061003DH	5598
T9G0061203DH	5598
T9G0080803DH	5599
T9G0081003DH	5599
T9G0081203DH	5599
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T9G0120803DH	5599
T9G0121003DH	5599
T9G0121203DH	5599
T10M20F3	2319
T10M36	53
T10M40	53
T10M40F1	53
T10M40F3	2319
T10W40F1	2308
T10W40F2	2308
T10W40F3	2311◆
T10W80HDT	2348
T10W80HFX	2348
T10Y40F1	2308
T11	109
T12	109
T12-1	177
T12-2	177
T12A	177
T12B	177
T12C	177
T12G	109
T12N100COB	5542
T12N200COB	5543
T12N300COB	5545
T12N400COB	5545
T12N500COB	5547
T12N600COB	5547
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T-13	116
T13G	109
T-13G	116
T-14	116
T14	109
T14G	109
T-14G	116
T15N400COA	5545
T15N400COB	5545
T15N500COA	5547
T15N500COB	5547
T15N600COA	5547
T15N600COB	5547
T15.1N100COB	5542
T15.1N200COB	5543
T15.1N300COB	5545
T15.1N400COB	5545
T15.1N500COB	5547
T15.1N600COB	5547
T16	177
T16N400COB	5545
T16N500COB	5547
T16N600COB	5547
T17	109
T17-A	138A
T17A	138A
T17N200COB	5543
T17N400COB	5545
T17N500COB	5547
T17N600COB	5547
T18	109
T20	109
T20G	109
T20N0,6COO	5542
T20N1COO	5542
T20N2COO	5543
T20N3COO	5545
T20N4COO	5545
T20N5COO	5547
T20N6COO	5547
T21	109
T21G	109
T22	109
T-22G	116
T22G	109
T23	109
T-23	102A
T-23-71	390
T23-93	196
T23-94	128
T23G	109
T24G	109
T25-LA	501B
T25T030AT0	459
T25T117GR5	458
T26G	109
T-26G	116
T27G	109
T30-AH	501B
T-33Z1	102A
T33Z1	102A
T33Z3	102A
T-33Z3	102A
T35A-5	123A
T-39	102A
T39	102A
T39(SIL/NPN)	159
T40	106
T45	102A
T-46	100
T46	102A
T-47	100
T47	102A
T48	102A
T-48	100
T-50	116
T50	102A
T51A	6007
T51B	6007
T51C	6007
T52A	6006
T52B	6006
T52C	6006
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T53B	5819◆
T53C	5819
T53T	5819◆
T54A	5818◆
T54B	5818◆
T54C	5818
T54T	5818◆
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T60	102A
T61	102A
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T74	102A
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T74LS175D1	74LS175
T74LS190	74LS190
T74LS190B1	74LS190
T74LS190D1	74LS190
T74LS191	74LS191
T74LS191B1	74LS191
T74LS191D1	74LS191
T74LS193	74LS193
T74LS193B1	74LS193
T74LS193D1	74LS193
T74LS194	74LS194A
T74LS194A	74LS194A
T74LS194AB1	74LS194A
T74LS194AD1	74LS194A
T74LS194B1	74LS194A
T74LS194D1	74LS194A
T74LS195	74LS195A
T74LS195B1	74LS195A
T74LS195D1	74LS195A
T74LS196	74LS196
T74LS196B1	74LS196
T74LS197	74LS197
T74LS197B1	74LS197
T74LS251	74LS251
T74LS251B1	74LS251
T74LS251D1	74LS251
T74LS253	74LS253
T74LS253B1	74LS253
T74LS253D1	74LS253
T74LS257	74LS257
T74LS257B1	74LS257
T74LS257D1	74LS257
T74LS258	74LS258
T74LS258B1	74LS258
T74LS258D1	74LS258
T74LS259	74LS259
T74LS259B1	74LS259
T74LS259D1	74LS259
T74LS260	74LS260
T74LS260B1	74LS260
T74LS260D1	74LS260
T74LS266	74LS266
T74LS266B1	74LS266
T74LS266D1	74LS266
T74LS279	74LS279
T74LS279B1	74LS279
T74LS279D1	74LS279
T74LS283	74LS283
T74LS283B1	74LS283
T74LS290	74LS290
T74LS290B1	74LS290
T74LS293	74LS293
T74LS293B1	74LS293
T74LS295	74LS295A
T74LS295A	74LS295A
T74LS295AB1	74LS295A
T74LS295AD1	74LS295A
T74LS295B1	74LS295A
T74LS295D1	74LS295A
T74LS298	74LS298
T74LS298B1	74LS298
T74LS298D1	74LS298
T74LS365	74LS365A
T74LS365B1	74LS365A
T74LS366	74LS366A
T74LS366B1	74LS366A
T74LS366D1	74LS366A
T74LS367	74LS367
T74LS367B1	74LS367
T74LS367D1	74LS367
T74LS368	74LS368
T74LS368B1	74LS368
T74LS368D1	74LS368
T74LS374	74LS374
T74LS374B1	74LS374
T74LS670	74LS670
T74LS670B1	74LS670
T74LS670D1	74LS670
T76	123A
T77	102A
T-78	100
T78	102A
T-81	103A
T81	103A
T82	102A
T83	102A
T83A028120	2408
T83A028127	2408
T83A028140	2408
T84	102A
T86A	116
T87	102A
T87A	116
T87A02412K	2408
T87A(Diode)	116
T-95	102A
T95	102A
T-99	160
T99	102A
T-100	116
T100	102A
T-101	121
T101	102A
T102A	102A
T106A1	5454
T106A1SC	5629
T106A1SD	5629
T106A1SG	5629
T106A1SH	5629
T106A1SS	5629
T106A2	5454
T106A2SC	5629
T106A2SD	5629
T106A2SG	5629
T106A2SH	5629
T106A2SS	5629
T106A3	5454
T106A4	5454
T106B1	5455
T106B1SC	5629
T106B1SD	5629
T106B1SG	5629
T106B1SH	5629
T106B1SS	5629
T106B2	5455
T106B2SC	5629
T106B2SD	5629
T106B2SG	5629
T106B2SH	5629
T106B2SS	5629
T106B3	5455
T106B4	5455
T106C1	5457
T106C1SC	5629
T106C1SD	5629
T106C1SG	5629
T106C1SH	5629
T106C1SS	5629
T106C2	5457
T106C2SC	5629
T106C2SD	5629
T106C2SG	5629
T106C2SH	5629
T106C2SS	5629
T106C3	5457
T106C4	5457
T106D1	5457
T106D1SC	5629
T106D1SD	5629
T106D1SG	5629
T106D1SH	5629
T106D1SS	5629
T106D2	5457
T106D2SC	5629
T106D2SD	5629
T106D2SG	5629
T106D2SH	5629
T106D2SS	5629
T106D3	5457
T106D4	5457
T106E1	5458
T106E2	5458
T106E3	5458
T106E4	5458
T106F1	5453
T106F1SC	5629
T106F1SD	5629
T106F1SG	5629
T106F1SH	5629
T106F1SS	5629
T106F2	5453
T106F2SC	5629
T106F2SD	5629
T106F2SG	5629
T106F2SH	5629
T106F2SS	5629
T106F3	5453
T106F4	5453
T106M1	5458
T106M2	5458
T106M3	5458
T106M4	5458
T106MIL	5458
T106Q1	5452
T106Q2	5452
T106Q3	5452
T106Q4	5452
T106Y1	5452
T106Y2	5452
T106Y3	5452
T106Y4	5452
T107A1	5454
T107A2	5454
T107A3	5454
T107A4	5454
T107B1	5455
T107B2	5455
T107B3	5455
T107B4	5455
T107C1	5457
T107C2	5457
T107C3	5457
T107C4	5457
T107D1	5457
T107D2	5457
T107D3	5457
T107D4	5457
T107F1	5453
T107F2	5453
T107F3	5453
T107F4	5453
T107Q1	5452
T107Q2	5452
T107Q3	5452
T107Q4	5452
T107Y1	5452
T107Y2	5452
T107Y3	5452
T107Y4	5452
T108	102A
T108(IBM)	213
T-109	100
T109	102A
T-116	100
T116	102A
T126	102A
T-126	102A
T127	102A
T-127	121
T129	102A
T-129	102A
T-130	102A
T130	102A
T-131	158
T131	158
T131(GERMANIUM)	100
T139	104
T140A0	5481§
T140A1	5482§
T140A2	5483§
T140A3	5485§
T140A4	5485§
T142	121
T143	123A
T151	177
T152	177
T153	177
T154	177
T155	177
T156	116
T157	123A
T158	123A
T159	116
T160	102A
T-163	160
T163	160
T170	123A
T171	123A
T185	123A
T200	116
T-200	116
T201AV	1171
T-203	107
T222	162
T225	162
T230PA5	5650
T-235	121
T235A013-2	123A
T237	123A
T-246	159
T246	129
T247	128
T-251	159
T253	160
T253(SEARS)	160
T255	123A
T-255	123A
T-256	123A
T256	123A
T257	124
T261	124
T271	175
T276	159
T277	123A
T278	160
T-278	160
T-279	160
T279	160
T280	160
T280(SEARS)	126A
T281	160
T281(SEARS)	126A
T282	160
T282(SEARS)	102A
T287	157
T291	123A
T-291	128
T300	116
T-300	116
T301AV	1171
T308	108
T309	234
T309K	309K
T327	123A
T327-2	123A
T328	123A
T334-2	129
T336-2	128
T338	128
T339	123A
T-339	128
T340	159
T-340	129
T-342	184
T342	123A
T-344	184
T344	184
T-345	185
T345	185
T348	160

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
T-348	126A
T367	160
T368	160
T370	179
T373	160
T374	160
T381	161
T381(SEARS)	161
T386	123A
T386(SEARS)	108
T396	185
T-396	185
T-399	123A
T399	123A
T400	116
T-400	116
T411	5700
T411F	5700
T412	5700
T412F	5700
T416-16(Sears)	123A
T417	123A
T421	5701
T421F	5701
T422	188
T422(MOD)	5701
T422F	5701
T423	189
T441	5702
T442	5702
T449	160
T449(Sears)	126A
T450	116
T-450	116
T452	128
T457-16	123A
T457-16(Sears)	123A
T458-16	123A
T459	129
T459(SEARS)	123A
T460	123A
T460(SEARS)	159
T461-16	123A
T461-16(SEARS)	123A
T462	123A
T462(SEARS)	123A
T464	222
T471	5704
T472	123A
T472(MOD)	5704
T472(SEARS)	123A
T475	129
T475(SEARS)	159
T-481	154
T481(SEARS)	154
T-482	129
T482(SEARS)	159
T-483	108
T483(SEARS)	123A
T-484	108
T484(SEARS)	123A
T485(Sears)	123A
T-486	108
T486(SEARS)	123A
T-500	116
T500	116
T511	5700
T511F	5700
T512	5700
T512F	5700
T521	5701
T521F	5701
T522	5701
T522F	5701
T541	5702
T542	5702
T-550	116
T550	116
T551	5703
T552	5703
T571	5704
T572	5704
T572G6A	6402§
T576-1	161
T581	5705
T582	5705
T597-1	159
T-600	116
T600	116
T611-1	152
T611-1(RCA)	184
T612-1	152
T612-1(RCA)	184
T615A002	123A
T615A006-1	123A
T626(SEARS)	165
T-650	116
T650	116
T650(Transistor)	123A
T699(Zenith)	159
T800	125
T800X	125
T811	160
T814	158
T815	158
T819(Zenith)	194
T841	181
T842	181
T843	181
T844	181
T900B1	1624
T900RT-K	1624
T911B1-T	1624
T911B1T	1624
T911BIT	1624
T916B1	1624
T975(Zenith)	123AP
T-1000	125
T1000	158
T-1000X	125
T1000X	125
T1001	102A
T1002	102A
T1002A	102A
T1003	102A
T1003-521	108
T1004	102A
T1005	102A
T1006	102A
T1007	102A
T1007(Zenith)	199
T1008	102A
T1008-834	123A
T1009	102A
T1010	102A
T1010BJ	5671
T1010DJ	5671
T1010MJ	5671
T1010NJ	5671
T1011	160
T1012	160
T1012BH	5633
T1012BJ	5671
T1012DH	5635
T1012DJ	5671
T1012MH	5637
T1012MJ	5671
T1012NJ	5671
T1013	102A
T1013BH	5633
T1013BJ	5671
T1013DH	5635
T1013DJ	5671
T1013MH	5637
T1013MJ	5671
T1013NJ	5671
T1023	102A
T1028	160
T1031(RadShk)	177
T1032	160
T1033	160
T1034	160
T1036	102A
T1037	102A
T1038	160
T1039	379
T1040	104
T1041	104
T1042	102A
T1043	102A
T1046	102A
T1047	102A
T1076	102A
T1085	116
T1156	7400
T1157	7410
T1158	7420
T1166	160
T1167	121
T1168	121
T1202	102A
T1202(GE)	161
T1203	102A
T1208	312
T1210BH	56004
T1210DH	56006
T1210MH	56008
T1210NH	56010
T1212BH	56004
T1212BJ	5671
T1212DH	56006
T1212DJ	5671
T1212MH	56008
T1212MJ	5671
T1212NH	56010
T1212NJ	5671
T1213BH	56004
T1213BJ	5671
T1213DH	56006
T1213DJ	5671
T1213MH	56008
T1213MJ	5671
T1213NH	56010
T1213NJ	5671
T1224	160
T1225	160
T1232	160
T1233	160
T1250	160
T1251	100
T1275	129
T1276	129
T1289	100
T1291	100
T1298	160
T1299	160
T1300	102A
T1305	160
T1306	160
T1310	102A
T1312	100
T1314	160
T1322	100
T1326	100
T1327	102A
T1328	102A
T1334	102A
T1340A3H	128
T1340A3I	123A
T1340A3J	123A
T1340A3K	123A
T1340A31	123A
T1341A3K	199
T1342	102A
T1346	102A
T1352	102A
T-1363	126A
T1363	102A
T-1364	126A
T1364	102A
T1366	104
T1366A	104
T1367	104
T1367A	104
T1368	104
T1368A	104
T1369	104
T1369A	104
T1370	104
T1370A	104
T1387	160
T1388	126A
T1389	160
T1390	160
T1391	160
T1400	160
T1401	160
T1402	199
T1402(GERMANIUM)	159
T1403	160
T1408	229
T1413	123A
T1414	123A
T1415	123A
T1416	123A
T-1416	123A
T1417	123A
T1450	116
T1454	160
T1459	160
T1460	126A
T-1460	126A
T1461	160
T1474	100
T1480E(Rad Shk)	558
T1486	152
T1487	152
T1495	123A
T1510	100
T1512BJ	5671
T1512DJ	5671
T1512MJ	5671
T1512NJ	5671
T1513BJ	5671
T1513DJ	5671
T1513MJ	5671
T1513NJ	5671
T1524	126A
T1524BRN	126A
T1524BRN/RED	126A
T1546	102A
T1548	160
T1559	102A
T1573	102A
T1574	102A
T1577	102A
T1583	102A
T1593	102A
T1594	102A
T1595	102A
T1596	102A
T1597	102A
T1598	102A
T1599	102A
T1601	121
T1602	159
T1602(GERMANIUM)	121
T1612BH	56015
T1612DH	56016
T1612MH	56017
T1612NH	56018
T1613BH	56015
T1613DH	56016
T1613MH	56017
T1613NH	56018
T1618	160
T1642B	123A
T1654	126A
T1654BLU	126A
T1657	160
T1679	123A
T1690	160
T1691	160
T1692	160
T1706	128
T1706A	128
T1706B	128
T1706C	128
T1710J	910D
T1710V	910
T1711J	911§
T1711V	911
T1723J	923D
T1723V	923
T1731	222
T1737	160
T1738	160
T1740	102A
T1746	123A
T1746A	123A
T1746B	123A
T1746C	123A
T1747V	947
T1748	123A
T1748A	123A
T1748B	123A
T1748C	123A
T1788	160
T1802	123A
T1802A	123A
T1802B	123A
T1804	123A
T1805	123A
T1808	129
T1808A	129
T1808B	129
T1808C	129
T1808D	129
T1808E	129
T1810	123A
T1810B	123A
T1811	128
T1811E	128
T1811G	128
T1814	160
T1831	160
T1877	100
T-1877	100
T1902	100
T1903	102A
T1904	102A
T1909	123A
T1961	102A
T2015	160
T2016	160
T2017	160
T2019	160
T2020	160
T2021	160
T2022	160
T2024	160
T2025	160
T2026	160
T2028	160
T-2028	160
T-2029	160
T2029	160
T2030	160
T-2030	160
T-2038	100
T2038	100
T-2039	100
T2039	100
T2040	100
T-2040	100
T2062	783§
T-2091	100
T2091	100
T2122	100
T-2122	102
T2159	102A
T2172	100
T2173	100
T2191	160
T2256	100
T2257	100
T2258	100
T2259	100
T2260	100
T2261	100
T2300A	5650
T2300B	5651
T2300C	5652
T2300D	5652
T2300F	5650
T2300PA	5650
T2300PA5	5650
T2300PB	5651
T2300PC	5652
T2300PC5	5652
T2300PD	5652
T2300PD5	5652
T2300PF	5650
T2300PF5	5650
T2301A	5650
T2301B	5651
T2301D	5652
T2301F	5650
T2301PA	5650
T2301PB	5651
T2301PB5	5651
T2301PD	5652
T2301PD5	5652
T2302A	5640◆
T2302B	5651
T2302C	5652
T2302D	5652
T2302F	5650
T2302PA	5650
T2302PA5	5650
T2302PB	5651
T2302PB5	5651
T2302PD	5652
T2302PD5	5652
T2303A	5640
T2303B	5640
T2303D	5642
T2303F	5640
T2303M	5643
T2303PA	5640
T2303PB	5640
T2303PC	5642
T2303PD	5642
T2303PF	7493A
T2312A	5640◆
T2312B	5641◆
T2312D	5642◆
T2312F	5640◆
T2320A	5629
T2320B	5629
T2320C	5629
T2320D	5629
T2320F	5629
T2322	126A
T2322A	5629
T2322B	5629
T2322C	5629
T2322D	5629
T2322F	5629
T2323	126A
T2323A	5629
T2323B	5629
T2323C	5629
T2323D	5629
T2323F	5629
T2324	126A
T2327A	5629
T2327B	5629
T2327C	5629
T2327D	5629
T2327F	5629
T2357	106
T2364	160
T2379	160
T2384	160
T-2439	100
T2439	102A
T-2440	100
T2440	102A
T-2441	100
T2441	102A
T2446	123A
T2500B	5645
T2500BFP	5620
T2500D	5645
T2500DFP	5620
T2500MFP	5620
T2500NFP	5620
T2508	1751
T2508(VR)	615A
T2512BH	56015
T2512DH	56016
T2512DK	5679
T2512MH	56017
T2512MK	5679
T2512NH	56018
T2512NK	5679
T2513BH	56015
T2513BK	5679
T2513DH	56016
T2513DK	5679
T2513MH	56017
T2513MK	5679
T2513NH	56018
T2515	102A
T2517	102A
T2634	108
T2700B	5624§
T2700D	5635◆
T2709J	909D
T2709V	909
T2710B	5624§
T2710D	5626§
T2741J	941D
T2741V	941
T2788	160
T2800B	5645
T2800C	5645
T2800D	5645
T2800E	5645
T2800M	5645
T2801B	5633
T2801C	5635
T2801D	5635
T2801DF	5637
T2801E	5637
T2801M	5637
T2802B	5633
T2802C	5635
T2802D	5635
T2802E	5637
T2802M	5637
T2806B	5633
T2806D	5635
T2850A	5645
T2850B	5645
T2850D	5645
T2850E	5645
T2851B	5645
T2851C	5645
T2851D	5645
T2851E	5645
T2878	160
T2896	160
T2945	160
T2946	160
T3005	102A
T-3321	102A
T3321	102A
T3322	102A
T-3322	102A
T3530	108
T3535	108
T3536	108
T3539	108
T3565	123A
T3568	107
T3568(RCA)	108
T3570	159
T3570A	159
T3601	123A
T3601(RCA)	107
T4012BK	5679
T4012DK	5679
T4013BK	5679
T4013DK	5679
T4013MK	5679
T4100E	5690
T4100F	5688
T4100M	5690
T4101E	5690
T4101F	5688
T4101M	5690
T4110M	5677
T4111M	5677
T4120B	56022
T4120D	56024
T4120M	56026
T4121M	56026
T4140B	5679
T4140D	5679
T4140F	5679
T4150B	5679
T4150D	5679
T4150F	5679
T4446(Zener)	137A
T4590	110MP
T-4590	116
T4706B	56004
T4706D	56006
T6028	126A
T-6028	126A
T6029	126A
T-6029	126A
T6030	126A
T-6030	126A
T6031	126A
T-6031	126A
T6032	126A
T-6032	126A
T6058	160
T6260B	5679
T6260C	5679
T6260D	5679
T6260E	5679
T6260M	5679
T6261B	5679
T6261C	5679
T6261D	5679
T6261E	5679
T6261M	5679
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When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

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TA7205	1155
TA7205A	1155
TA7205AP	1155
TA7205P	1155
TA7207P	1476
TA7208FG	1476
TA7208P	1476
TA7209P	1222
TA7212FA	1385
TA7212P	1385
TA7214P	1273
TA7215FA	1379§
TA7215P	1379§
TA7217AP	1370
TA7217FG	1370
TA7217P	1370
TA7222AP	1278
TA7222AP-2	1278
TA7222P	1278
TA7226FG	1478
TA7226P	1478
TA7227FB	1394
TA7227P	1394
TA7227P-K	1394
TA7229FB	1372
TA7229P	1372
TA7230FA	1387
TA7230P	1387
TA7230T	1387
TA7242P	1245◆
TA7262	152
TA7262(RCA)	221
TA7267	7064
TA7267BP	7064
TA7267P	7064
TA7270	1830
TA7270P	1830
TA7271	1831
TA7271P	1831
TA7274	222
TA7274P	1832
TA7279	285
TA7280	219◆
TA7280P	1898
TA7281	219
TA7281P	1899
TA7288P	1834
TA7291S	7043
TA7292	154
TA7293	154
TA7299P	1830
TA7302FG	1474
TA7302P	1474
TA7303(Transistor)	108
TA7303FG	1525
TA7303P	1525
TA7310	1192
TA7310A	1192
TA7310P	1192
TA7310P-O	1192
TA7311(Transistor)	182§
TA7312(Transistor)	182§
TA7312AP	1523
TA7312FB	1523
TA7312P	1523
TA7313(RCA)	182§
TA-7313AP	1465
TA7313AP	1465
TA7313FB	1465
TA7313P	1465
TA7314(Transistor)	182§
TA7314FG	1521
TA7314P	1521
TA7315(Transistor)	182§
TA7316(Transistor)	182§
TA7318(IC)	1498
TA7318(Transistor)	182§
TA7318FA	1498
TA7318P	1498
TA7319(Transistor)	108
TA7325P	1730
TA7343(IC)	1657
TA7343AP	1657
TA7343FA	1657
TA7343P	1657
TA7343PS	1657
TA7347(IC)	1873
TA7347P	1873
TA7348	1826
TA7348AP	1826
TA7348P	1826
TA7358	1843
TA7358AP	1843
TA7358P	1843
TA7361	1787
TA7361AP	1787
TA7361P	1787
TA7362(Transistor)	196
TA7363(Transistor)	152
TA7374(FET)	222
TA7399(FET)	222
TA7404	5463
TA7405	5465
TA7420	283
TA7461	5697
TA7462	5697
TA7500	5640
TA7501	5641
TA7502	5642
TA7502M	909
TA7503	5643
TA7504FA	941S
TA7504M	941
TA7504P	941M
TA7504S	941S
TA7504S-G	941S
TA7504S-R	941S
TA7506M	1171
TA7506P	975
TA7520	185
TA7554	152
TA7555	230
TA7555P	955M
TA7556	153
TA7557	153
TA7579	5643
TA7580	5643
TA7581	5643
TA7582	5643
TA7584	5697
TA7607AP	1545
TA7607BP	1545
TA7607FG	1545
TA7607P	1545
TA7608AP	1532
TA7608BP	1532
TA7608CP	1532
TA7608CPFA-5	1532
TA7608CPFA-6	1532
TA7608CPGS-4	1532
TA7608CPGS-5	1532
TA7608FA-5	1532
TA7608FA-6	1532
TA7608FB	1532
TA7608P	1532
TA7608PGS-4	1532
TA7608PGS-5	1532
TA7609AP	1496
TA7609FB	1496
TA7609GS-2	1496
TA7609P	1496
TA7609PFA	1496
TA7609PFA-2	1496
TA7609PGS-2	1496
TA7611AP	1413
TA7611AP-S	1413
TA7611FG	1413
TA7611P	1413
TA7612AP	1519
TA7612FB	1519
TA7612P	1519
TA7613P	1624
TA7614(IC)	1654
TA7614AP	1654
TA7614AP-Y	1654
TA7614FB	1654
TA7614P	1654
TA7630	1576
TA7630FA	1576
TA7630P	1576
TA7640AP	1842
TA7640P	1842
TA7643	1617§
TA7643P	1617§
TA7644A	1547
TA7644AP	1547
TA7644B	1547
TA7644BP	1547
TA7644BPFA-1	1547
TA7644FA	1547
TA7644FB	1547
TA7644P	1547
TA7658	1571
TA7658FB	1571
TA7658P	1571
TA7660CP	1775
TA7660P	1775
TA7660PFA-1	1775
TA7662P	1196
TA7664A	1573
TA7664AP	1573
TA7664AP(FA-1)	1573
TA7664P	1573
TA7664PFA-1	1573
TA7668BP	1651
TA7668FB	1651
TA7668P	1651
TA7669	222
TA7670NS	1671
TA7670P	1671
TA7671P	1236
TA7671PFA-1	1236
TA7673	1611
TA7673P	1611
TA7680	1572§
TA7680A	1572§
TA7680AP	1572§
TA7680FB	1572§
TA7680P	1572§
TA7681	1570
TA7681A	1570
TA7681AP	1570
TA7681FA	1570
TA7681P	1570
TA7684	222
TA7741	187
TA7742	197
TA7743	197
TA7750	7012
TA7750P	7012
TA7774	7005
TA7774P	7005
TA7777CN	1790
TA7777N	1790
TA7777P	1790
TA7777P(FA-3)	1790
TA7777PFA-1	1790
TA7777PFA-3	1790
TA7782	196
TA7783	196
TA7784	196
TA7802	116
TA7803	116
TA7804	116
TA7805	125
TA7805S	1960
TA7806	125
TA7806S	1962
TA7808S	1964
TA7809S	1966
TA7810S	1968
TA7812S	1970
TA7815S	1972
TA7818AP	958
TA7818S	1974
TA7824AP	972
TA7824S	1976
TA7996	116
TA8158	230
TA8159	230
TA8160	515
TA8161	515
TA8162	515
TA8200AH	7068
TA8200H	7068
TA8201AK	1832◆
TA8205AH	7088
TA8205P	1155
TA8210	197
TA8210AH	7041
TA8210AL	7041◆
TA8210H	7041
TA8211	197
TA8211AH	7070
TA8211H	7070
TA8212	197
TA8231	196
TA8232	196
TA8233	196
TA8242	222
TA8442	130◆
TA8443	130
TA8601B	7065
TA8601BN	7065
TA8601BN-FA-1	7065
TA8601BNV	7065
TA8601CN	7065◆
TA8601CN(FA-1)	7065◆
TA8638A(Trans)	284MP
TA8654	7058
TA8654N	7058
TA8677N	1790
TA8680AN	7010
TA8680N	7010
TA8703	7057
TA8703S	7057
TA8724	219
TA8726	130
TA9166A	388
TA9166B	388
TA9223A	597
TA9223B	597
TA9223C	597
TA10273	842
TA10273W	842
TA10280	841
TA10280G	841
TA10702(IC)	867
TA10806	844
TA10910	873
TA10943	875
TA10944	874
TA10955(IC)	868
TA11029(IC)	1231A
TA11167	1682
TA11419	1739
TA16090	230
TA16091	231
TA70639	1052
TA75061P	887M
TA75062P	889M
TA75071P	857M
TA75072F	858SM
TA75072P	858M
TA75074F	859SM
TA75074P	859
TA75324P	987
TA75339	834
TA75339P	834
TA75358P	928M◆
TA75393	943M
TA75393P	943M
TA75458P	778A
TA75458S	1529
TA75557P	778A
TA75557S	1529
TA75558P	778A◆
TA75558S	1529
TA75558S-1	1529
TA75559S	1529
TA75902P	987
TA76494	1729
TA76494P	1729
TA76524	1720
TA76524P	1720
TA78005AP	960
TA78005M	309K
TA78005P	960
TA78010AP	1932
TA78012AP	966
TA78012M	1914
TA78012P	966
TA78015AP	968
TA78015M	1916
TA78015P	968
TA78024AP	972
TA79005S	1961
TA79006S	1963
TA79009S	1967
TA79012S	1971
TA79015S	1973
TA79018S	1975
TA79024S	1977
TA198030-4	123A
TA198035-1	128
TA198036-2	159
TA198785-2	519
TA300608K0	290A
TA300608S0	290A
TA3000734F	85
TA8532787	519
TA20007330	290A
TA20011750	290A
TA30016060	55#
TA50013040	398#
TA70009370	17◆
TAA380	704
TAA521	909
TAA521/709	909
TAA521A	909D
TAA521A/709C	909D
TAA522	909
TAA522/709	909
TAA550	615A
TAA550A	615A
TAA550B	615A
TAA550C	615A
TAA550/N3	615A
TAA611A12	1113
TAA611B	1113
TAA611B12	1113
TAA611C11	1118§
TAA621	1111§
TAA621A11	1111§
TAA621A12	1111§
TAC047	123A
TAC-047	123A
TAG1-200	5408
TAG1-400	5409
TAG1-500	5410
TAG2N400	5465
TAG2.5-100	5408
TAG2.5-200	5408
TAG2.5-300	5409
TAG2.5-400	5409
TAG3-50R	5511
TAG3-100R	5511
TAG3-200R	5511
TAG3-300R	5512
TAG3-400R	5512
TAG3-500R	5513
TAG3-600R	5513
TAG7-50R	5491
TAG7-100R	5491
TAG7-200R	5492
TAG7-300R	5494
TAG7-400R	5494
TAG7-500R	5496
TAG7-600R	5496
TAG9N-400DU	5545
TAG9N-600DU	5547
TAG9N-800DU	5548
TAG10-50R	5491
TAG10-100R	5491
TAG10-200R	5492
TAG10-300R	5494
TAG10-400R	5494
TAG10-500R	5496
TAG10-600R	5496
TAG14N-400DU	5545
TAG14N-600DU	5547
TAG14N-800DU	5548
TAG16N-400DU	5545
TAG16N-600DU	5547
TAG16N-800DU	5548
TAG16N-800LU	5548
TAG20-50R	5541
TAG20-100R	5542
TAG20-200R	5543
TAG20-300R	5545
TAG20-400R	5545
TAG20-500R	5547
TAG20-600R	5547
TAG60A(AGK)	5401
TAG60F(AGK)	5401
TAG60Y(AGK)	5400
TAG62A	5402
TAG62F	5401
TAG62Y	5400
TAG92-1	5655
TAG92-2	5655
TAG92-3	5655
TAG92-4	5655
TAG92-5	5656
TAG92-6	5656
TAG96-A	5602
TAG96-B	5603
TAG96-D	5605
TAG96-E	5607
TAG96-M	5607
TAG200-100	5640
TAG200-200	5641
TAG200-400	5642
TAG200-600	5643
TAG201-100	5650
TAG201-200	5651
TAG201-400	5652
TAG201-600	5653
TAG220-200	5645
TAG220-400	5645
TAG220-600	5645
TAG222-400	5608
TAG222-600	5609
TAG222-800	5610
TAG224-200	56004
TAG224-600	56008
TAG225-200	5645
TAG225-400	5645
TAG225-600	5645
TAG230-100	5645
TAG230-200	5645
TAG230-400	5645
TAG230-600	5645
TAG231-100	5645
TAG231-200	5645
TAG231-400	5645
TAG231-600	5645
TAG240-200	5645
TAG240-400	5645
TAG240-600	5645
TAG241-200	5645
TAG241-400	5645
TAG241-600	5645
TAG245-200	5645
TAG245-400	5645
TAG245-600	5645
TAG246-200	5645
TAG246-400	5645
TAG246-600	5645
TAG250-200	56004
TAG250-400	56006
TAG250-600	56008
TAG250A-200	56004
TAG250A-400	56006
TAG250A-600	56008
TAG251-200	56004
TAG251-400	56006
TAG251-600	56008
TAG252-200	5645
TAG252-400	5645
TAG252-600	5645
TAG255-200	56004
TAG255-400	56006
TAG255-600	56008
TAG256-200	56004
TAG256-400	56006
TAG256-600	56008
TAG257-200	5645
TAG257-400	5645
TAG257-600	5645
TAG280-200	56004◆
TAG280-400	56006◆
TAG280-600	56008◆
TAG280-800	56010◆
TAG420-200	5645
TAG420-400	5645
TAG420-600	5645
TAG421-200	5645
TAG421-400	5645
TAG421-600	5645
TAG425-200	5645
TAG425-400	5645
TAG425-600	5645
TAG426-200	5645
TAG426-400	5645
TAG426-600	5645
TAG-510B	5414
TAG-510D	5415
TAG-510E	5416
TAG-510M	5416
TAG-511B	5414
TAG-511D	5415
TAG-511E	5416
TAG-511M	5416
TAG-512B	5414
TAG-512D	5415
TAG-512E	5416
TAG-512M	5416
TAG-520A	5408
TAG-520B	5408
TAG-520C	5409
TAG-520D	5409
TAG-520F	5408
TAG605-200	5427
TAG605-400	5428
TAG605-600	5429
TAG605R200B	5427
TAG605R400D	5428
TAG605R600M	5429
TAG606-200	5427
TAG606-400	5428
TAG606-600	5429
TAG611-100	5408
TAG611-200	5408
TAG611-400	5409
TAG611-600	5410
TAG612-100	5408
TAG612-200	5408
TAG612-400	5409
TAG612-600	5410
TAG620-100	5462
TAG620-200	5463
TAG620-400	5465
TAG620-600	5466
TAG620-800	5468
TAG622-100	5437
TAG622-200	5437
TAG622-400	5437
TAG622-600	5438
TAG623-100	5437
TAG623-200	5437
TAG623-400	5437
TAG623-600	5438
TAG625-100	5462
TAG625-200	5463
TAG625-400	5465
TAG625-600	5466
TAG625-800	5468
TAG627	5437
TAG627-100	5437
TAG627-200	5437

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TAG627-400	5437
TAG627-600	5438
TAG628-100	5437
TAG628-200	5437
TAG628-400	5437
TAG628-600	5438
TAG630-100	5462
TAG630-200	5463
TAG630-400	5465
TAG630-600	5466
TAG630-800	5468
TAG632-100	5437
TAG632-200	5437
TAG632-400	5437
TAG632-600	5438
TAG633-100	5437
TAG633-200	5437
TAG633-400	5437
TAG633-600	5437
TAG670-100	5462
TAG670-200	5463
TAG670-400	5465
TAG670-600	5466
TAG670-800	5468
TAG675-100	5552
TAG675-200	5552
TAG675-400	5554
TAG675-600	5556
TAG675-800	5558
TAG6151	56004
TAG6152	56006
TAG6153	56008
TAG6154	56004
TAG6155	56006
TAG6156	56008
TAIT00101P	290A
TALT00952L	290A
TALT007330	290A
TALT009520	290A
TAO5	6408
TB3G0632KE	185
TB3G01134R	153#
TB3T005980(ECB)	159
TB3T006980	159
TB3T009260	12
TB4B	5332
TB4H	5332
TB4.1	116
TB5	5800
TB5-147	5332
TB6.B	5332
TB100	5802
TB200	5802
TB221B	941M
TB200546AL	398
TB3000632E	185
TB3001134R	153#
TB10006440	19
TB30005980	159
TB30006320	185
TB50010150	378#
TBA120AS	1292§
TBA120/DP	1580§
TBA120S	1292§
TBA120S-3	1292§
TBA120S-4	1292§
TBA120S-5	1292§
TBA120SD	1292§
TBA120U	1580§
TBA120UD	1580§
TBA120UDP	1580§
TBA120UP	1580§
TBA120UQ	1580§
TBA221	941
TBA221/741C	941
TBA221A	941D
TBA221A/741C	941D
TBA222	941
TBA222/741	941
TBA231	725
TBA271A	615A
TBA271B	615A
TBA271C	615A
TBA281	923
TBA281/723	923
TBA281/723C	923
TBA331	912
TBA641B11	OBS-NLA
TBA800	1116
TBA810	1115
TBA810ACB	1115
TBA810ACBS	1115
TBA810AD	1115
TBA810ADS	1115
TBA810AP	1115
TBA810APS	1115
TBA810AS	1115
TBA810CB	1115A
TBA810D	1115A
TBA810DS	1115
TBA810P	1115A
TBA810S	1115
TBA-810S	1115
TBA810SH*	1115A
TBA810S-H*	1115A
TBA820	1117
TBA820BC2	1294
TBA820L	1117
TBA820M	1294
TBA820MC2	1294
TBA820MT	1294
TBA820U	1292§
TBA-1412	966
TBA2800	1764
TBA2800S	1764
TBB0747	947
TBB0747A	947D
TBB0748	1171
TBB0748B	975
TBB1458B	778A
TBC0748	1171
TBC327(CBE)	159
TBC327A(CBE)	159
TBC327B(CBE)	159
TBC328(CBE)	159
TBC328A(CBE)	159
TBC328B(CBE)	159
TBC337(CBE)	123AP
TBC337A(CBE)	123AP
TBC337B(CBE)	123AP
TBC338(CBE)	123AP
TBC338A(CBE)	123AP
TBC338B(CBE)	123AP
TBC546(CBE)	216
TBC546A(CBE)	216
TBC547(CBE)	123AP
TBC547A(CBE)	123AP
TBC548(CBE)	123AP
TBC548A(CBE)	123AP
TBC549(CBE)	123AP
TBC550(CBE)	123AP
TBC556(CBE)	159
TBC556A(CBE)	159
TBC557(CBE)	159
TBC557A(CBE)	159
TBC558(CBE)	159
TBC558A(CBE)	159
TBC559(CBE)	159
TBC560(CBE)	159
TBP14S10	74S287
TBP14S10J	74S287
TBP14S10N	74S287
TBP14SA10	74S387
TBP14SA10J	74S387
TBP14SA10N	74S387
TBP18S030	74S288
TBP18S030J	74S288
TBP18S030N	74S288
TBP18S42	74S472
TBP18S42J	74S472
TBP18S42N	74S472
TBP18S46	74S474
TBP18S46J	74S474
TBP18S46N	74S474
TBP18SA030	74S188
TBP18SA030J	74S188
TBP18SA030N	74S188
TBP18SA42	74S473
TBP18SA42J	74S473
TBP18SA42N	74S473
TBP18SA46	74S475
TBP18SA46J	74S475
TBP18SA46N	74S475
TBP24S10N	74S287
TBP24SA41	74S573
TBP24SA41J	74S573
TBP24S41N	74S573
TBP24S81	74S454
TBP24S81J	74S454
TBP24S81N	74S454
TBP24SA41	74S572
TBP24SA41J	74S572
TBP24SA41N	74S572
TBP28S86	74S478
TBP28S86J	74S478
TBP28S86N	74S478
TBP28SA86	74S479
TBP28SA86J	74S479
TBP28SA86N	74S479
TC0.1P	506
TC-0.2	506
TC-0.2P11/1	506
TC0.2P11/2	116
TC0.2P11/12	507
TC02P12	116
TC02P112	116
TC0914	108
TC-0918	108
TC0918	108
TC0.09M21/3	114
TC0.09m22/1	5804
TC0.09M22/1	166
TC0P11/2	116
TC1T00501P	85
TC1T013170	289A
TC2T009450	85
TC2T020010	85
TC3F03789E	2501
TC3F017560	376
TC3F035030	157
TC3F042170	157#
TC3Q026210	157
TC3Q040750	376#
TC3R022710	399
TC3T005360	85
TC3T0536K0	85
TC3T0536KF	85
TC3T0536S0	289A
TC3T0536SG	199
TC3T02274F	289A
TC3T03114T	382
TC3T022710	399
TC3T022740	289A
TC3T023620	199
TC3T030000	85
TC3T034680	399
TC3T2274K0	289A
TC3T2362K0	26
TC5F03620S	157
TC5T0388A0	85
TC5T018154	85
TC5T021204	289A
TC5T022294	399
TC-6(Elcom)	703
TC7T017400	85
TC7T1740S0	85
TC7W0114E0	2355
TC7W0124E0	2357
TC27A5A	146A
TC27A5A-5	146A
TC33A5A	147A
TC50	5800
TC62A5B	149A
TC74C123P	74HC123
TC74HC00AP	74HC00
TC74HC02AP	74HC02
TC74HC02P	74HC02
TC74HC04	74HC04
TC74HC04AP	74HC04
TC74HC04P	74HC04
TC74HC08AP	74HC08
TC74HC10AP	74HC10
TC74HC11AP	74HC11
TC74HC14AP	74HC14
TC74HC32AP	74HC32
TC74HC86AP	74HC86
TC74HC109AP	74HC109
TC74HC123AP	74HC123
TC74HC125AP	74HC125
TC74HC126AP	74HC126
TC74HC132AP	74HC132
TC74HC138AP	74HC138
TC74HC139AP	74HC139
TC74HC151AP	74HC151
TC74HC153AP	74HC153
TC74HC154AP	74HC154
TC74HC161AP	74HC161
TC74HC163AP	74HC163
TC74HC164AP	74HC164
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TC74HC173AP	74HC173
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TDB0347BDP	859
TDB0347DP	859
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TDB0723	923
TDB0723A	923D
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TDB2915KM	1919
TDB2915SP	969
TDB7805	309K
TDB7805T	960
TDB7806T	962
TDB7808T	964
TDB7812	1914
TDB7812T	966
TDB7815	1916
TDB7815T	968
TDB7818	1920
TDB7824	1924
TDB7824T	972
TDC2710P	910D
TDC2710V	910
TDC2711P	911D§
TDC2711V	911
TDD1605	960
TDD1605S	960◆
TDD1606	962◆
TDD1606S	962◆
TDD1608	964◆
TDD1608S	964◆
TDD1610	1932◆
TDD1610S	1932◆
TDD1612	966◆
TDD1612S	966◆
TDD1615	968◆
TDD1615S	968◆
TDD1618	958◆
TDD1618S	958◆
TDD1624	972◆
TDD1624S	972◆
TDF014270	2302
TE-0137	358
TE-0317	358
TE-01029D	116
TE500	312
TE-500-E	312
TE697	123A
TE706	108
TE901	130
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T-E1011	116
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T-E1024	116
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TE1024C	116
T-E1024C	116
T-E1024D	116
TE1024D	116
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TE1042	116
T-E1042	166
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TE1061	113A
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TE1061A	113A
T-E1064	116
TE1064	125
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TE1078	116
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T-E1080	116
TE1080	116
TE1086	113A
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T-E1102A	116
T-E1105	110MP
TE1105	109
T-E1106	142A
T-E1107	119
TE1108	116
T-E1108	507
TE1114	118
T-E1118	177
T-E1119	177
T-E1121	177
T-E1124	116
T-E1133	116
T-E1138	116
T-E1140	142A
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TE3703	193
TE3704	123A
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TE3709	108
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TE3711	108
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TE3855	199
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TE3859A	192§
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TE3900A	199
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TE3905	159
TE3906	123A
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TE4124	123A
TE4125	159
TE4126	159
TE4256	199
TE4424	123A
TE4425	192§
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TE4952	123A
TE4953	123A
TE4954	123A
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TE5087	193
TE5088	199
TE5089	199
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TE5309	199
TE5309A	123A
TE5310	199
TE5311	199
TE5311A	123A
TE5365	159
TE5366	159
TE5367	193
TE5368	123A
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TE5451	123A
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TE13005	51
TE13006	379
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TE13009	379
TEA1009	1763
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TEA2017	1887
TEA2037A	1888
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TEA5582N	7116
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TEC8012E	123AP
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TEC8012G	123AP
TEC8012H	123AP
TEC8013	123AP
TEC8013D	123AP
TEC8013E	123AP
TEC8013F	123AP
TEC8013G	123AP
TEC8013H	123AP
TEC9011	123AP
TEC9011E	123AP
TEC9011F	123AP
TEC9011G	123AP
TEC9011H	123AP
TEC9011I	123AP
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TEC9012G	159
TEC9012H	159
TEC9012I	159
TEC9012J	159
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TEC9013G	128P
TEC9013H	128P
TEC9013I	128P
TEC9013J	128P
TEC9014	123AP
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TEC9014B	123AP
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TEC9015A	159
TEC9015B	159
TEC9015C	159
TEC9016(EBC)	108
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TED1402A(CBE)	123AP
TED1402B(CBE)	123AP
TED1402C(CBE)	123AP
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TED1602B(CBE)	159
TED1602C(CBE)	159
TED1602D(CBE)	159
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TED1702L(CBE)	123AP
TED1702M(CBE)	123AP
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TED1802K(CBE)	159
TED1802L(CBE)	159
TED1802M(CBE)	159
TESTLGG	102A
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TF22	116
TF23	116
TF30	102A
TF-30	102A
TF34	177
TF44	177
TF44J	177
TF49	102A
TF50S6344G	5424
TF50S6565G	5424#
TF-65	102A
TF65	102A
TF65/30	102A
TF65/M	102A
TF65M	158
TF65/S/30	102A
TF66	102A
TF-66	102A
TF66/30	102A
TF66/60	102A
TF70	101
TF71	101
TF72	101
TF75	102A
TF77	102A
TF-78	123A
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TF-80/30	121
TF80/30Z	121
TF80/302	102A
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TF101-B	128
TF101-D	128
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TF320M-AZ	5437
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TF321M-A	5426
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TF341M-A	5426
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TF361M-A	5438#
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TF861M	5556#
TF861S	5440
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TFH340MF	5424#
TFH340MFLC6	5424#
TFH341S	5424#
TFK613	558
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TFR110	125
TFR-120	116
TFR120	116
TFR140	125
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TFS340MX	5424#
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TG2SA201-0	126A
TG2SA201-0-A	126A
TG2SA201C	126A
TG2SA201-N	126A
TG2SA608	290A
TG2SA608C	159
TG2SA608-D	290A
TG2SA608D	290A
TG2SA608E	290A
TG2SA608-E(ECB)	159
TG2SA608F	290A
TG2SA608NP	290A
TG2SA608NPF	290A
TG2SA608NPG	290A
TG2SA608SP	290A
TG2SA608SPF	290A
TG2SA984	290A
TG2SA984E	290A
TG2SA984K	290A
TG2SA1016	234
TG2SA1345	2360
TG2SA1346	2358
TG2SB511-1	153
TG2SB511-E	153
TG2SB544E	294
TG2SB560E	383
TG2SB698	159
TG2SB698F	159
TG2SB764	383
TG2SC65	154
TG2SC65Y	154
TG2SC536	85
TG2SC536C	199
TG2SC536-D-A	199
TG2SC536-D-B	199
TG2SC536E	199
TG2SC536-E-A	199
TG2SC536-E-B	199
TG2SC536-F	85
TG2SC536F	85
TG2SC536-F-A	199
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TG2SC536NP	85
TG2SC536NPF	85
TG2SC536SP	85
TG2SC536SPF	85
TG2SC927	161
TG2SC927A	107
TG2SC927C	107
TG2SC927-C-A	319P
TG2SC927-D-A	319P
TG2SC927-DD-A	161
TG2SC927-E-A	319P
TG2SC983	287
TG2SC1025	175
TG2SC1025D	175
TG2SC1046N-A	165
TG2SC1175	289A
TG2SC1175C	123A
TG2SC1175-C	123A
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TG2SC1175-D	123A
TG2SC1175-D-A	123A
TG2SC1175-E	123A
TG2SC1175-E-A	123A
TG2SC1293	107
TG2SC1293A	161
TG2SC1293-A	233
TG2SC1293-A-A	233
TG2SC1293B	233
TG2SC1293-B	233
TG2SC1293-B-A	233
TG2SC1293-C	233
TG2SC1293C	233
TG2SC1293-C-A	233
TG2SC1293D	233
TG2SC1293-D	233
TG2SC1293-D-A	233
TG2SC1295	165
TG2SC1295-0	165
TG2SC1295O	389
TG2SC1295-O-A	165
TG2SC1520-1	198
TG2SC1755	376
TG2SC1755-C-A	198
TG2SC1756	198
TG2SC1756-C	198
TG2SC1756-C-A	198
TG2SC1756-C-B	198
TG2SC1756-D	198
TG2SC1756-D-A	198
TG2SC1756-D-B	198
TG2SC1756-D-C	198
TG2SC1756-D-R	198
TG2SC1756-E	198
TG2SC1756-E-A	198
TG2SC1756-E-B	198
TG2SC1756K	376
TG2SC2057C	229
TG2SC2057-C	319P
TG2SC2057-D	229
TG2SC2057D	229
TG2SC2228	399
TG2SC2271	399
TG2SC2274	289A
TG2SC2274E	289A
TG2SC2274F	289A
TG2SC2999	107
TG2SC3399	2359
TG2SC3400	2357
TG2SC3402	2355
TG2SC12950	165
TG2SD24	124
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TG2SD313E	152
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TG2SD325-E	152
TG2SD386-E	375
TG2SD386-F	375
TG2SD386Y-D	375
TG2SD386YD	375
TG2SD386Y-D-A	198
TG2SD386YE	375
TG2SD386Y-E	375
TG2SD386Y-E-A	198
TG2SD400E	382
TG2SD438E	382
TG2SD545	293
TG2SD575L	165
TG2SD612-E	184
TG2SD612E	184
TG2SD612-F	184
TG2SD613D	377
TG2SD613E	377
TG2SD627	389
TG2SD734	85
TG2SD894	2338◆
TG4.C	5332
TG-11	116
TG11	116
TG11(TRANSISTOR)	176
TG-12	116
TG12	116
TG20A	116
TG-21	116
TG21	116
TG22	116
TG-22	116
TG-28	109
TG-31	116
TG31	116
TG32	116
TG-32	116
TG-41	116
TG41	116
TG-42	116
TG42	116
TG-48	109
TG48	158
TG-51	116
TG51	116
TG-52	116
TG52	116
TG61	116
TG-61	116
TG62	116
TG-62	116
TG84	598
TG86	598
TG116C60	5679
TG840M	5554#
TH1S557	116
TH-1S750	112
TH2SA733-Q	294
T-H2SC313	108
T-H2SC387	108
TH2SC535	107
TH2SC536	123A
T-H2SC536	123A
TH2SC693	123A
T-H2SC693	123A
TH2SC715	123A
T-H2SC715	123A
TH5-1	357
TH5-8	350
TH5-15	351
TH5-29	349
TH50	116
TH400	116
TH600	116
TH800	125
TH801	116
TH802	116
TH803	116
TH804	116
TH805	116
TH806	116
TH808	125
TH810	125
TH1000	125
TH7251	196
THAL226	5645
THC12B	5127A
TH-H2SC313	161
THSG105	116
THSHZ7B2	5014A
THU60U	102A
ThyDF75A40-V1	5721
ThyDF75A40-V2	5722
ThyDF75A53-V1	5721
ThyDF75A53-V2	5722
ThyDF75A60-V1	5721
ThyDF75A60-V2	5722
ThyDF75A80-V1	5721
ThyDF75A80-V2	5722
ThyDG75A40-V1	5721
ThyDG75A40-V2	5722
ThyDG75A53-V1	5721
ThyDG75A53-V2	5722
ThyDG75A60-V1	5721
ThyDG75A60-V2	5722
ThyDG75A80-V1	5721
ThyDG75A80-V2	5722
ThyDH75A40-V1	5721
ThyDH75A40-V2	5722
ThyDH75A53-V1	5721
ThyDH75A53-V2	5722
ThyDH75A60-V1	5721
ThyDH75A60-V2	5722
ThyDH75A80-V1	5721
ThyDH75A80-V2	5722
ThyF75A40-V	5720
ThyF75A53-V	5720
ThyF75A60-V	5720
ThyF75A80-V	5720
ThyG75A40-V	5720
ThyG75A53-V	5720
ThyG75A60-V	5720
ThyG75A80-V	5720
ThyH75A40-V	5700
ThyH75A53-V	5700
ThyH75A60-V	5700
ThyH75A80-V	5700
TI1A6	123A
TI-1A6	131
TI-7A	131
TI24A	123A
TI24B	123A
TI25A	108
TI25B	108
TI40A0	5481§
TI40A1	5482§
TI-40A1	5483§
TI40A2	5483§
TI-40A2	5483§
TI40A3	5485§
TI40A4	5485§
TI42	6407
TI42A	6408
TI43A	6408
TI51	177
TI-51	177
TI52	116
TI53	116
TI-53	116
TI54	116
TI54A	123A
TI54B	123A
TI54C	123A
TI54D	199
TI54E	123A
TI-55	116
TI55	116
TI56	116
TI-56	5800
TI57	116
TI58	116
TI59	116
TI60	116
TI71	116
TI-71	116
TI-92	123A
TI-132	5483§
TI-136	5483§
TI136	5483§
TI137	5485§
TI138	5485§
TI145A4	5409
TI152	116
TI266A	121
TI-266A	121

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TI-269	121
TI269	121
TI-338	160
TI338	160
TI-363	100
TI363	160
TI364	160
TI-364	100
TI365	160
TI-365A	166
TI366	121
TI-366	121
TI-366A	121
TI366A	121
TI-367	121
TI367	121
TI367A	121
TI-367A	121
TI-368	121
TI368	121
TI-368A	121
TI368A	121
TI369	121
TI-369	121
TI369A	121
TI-369A	121
TI370	104
TI-370	121
TI-370A	121
TI370A	104
TI-387	160
TI-388	160
TI388	160
TI389	160
TI390	160
TI391	160
TI393	160
TI395	160
TI396	160
TI397	160
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TI399	160
TI400	160
TI-400	160
TI-401	160
TI401	160
TI402	160
TI403	160
TI-403	160
TI-407	161
TI407	108
TI-408	161
TI408	108
TI409	108
TI-409	161
TI-410	108
TI410	108
TI411	123A
TI-412	123A
TI-413	123A
TI-414	123A
TI415	123A
TI-415	199
TI416	123A
TI-416	199
TI417	123A
TI-417	108
TI418	123A
TI-418	199
TI419	123A
TI-419	199
TI420	123A
TI-420	108
TI-421	199
TI422	123A
TI-422	123A
TI-423	123A
TI424	123A
TI-424	128
TI-425	128
TI-428	159
TI-429	159
TI430	123A
TI-430	108
TI-431	108
TI431	108
TI-432	123A
TI432	123A
TI-433	123A
TI-474	108
TI-475	128
TI-480	128
TI480	123A
TI481	128
TI-482	128
TI482	123A
TI-483	128
TI483	123A
TI-484	128
TI484	123A
TI-485	192§
TI485	123A
TI486	128◆
TI487	411/128◆
TI-490	108
TI492	123A
TI-492	161
TI493	123A
TI-493	161
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TI-714A	123A
TI-722	154
TI722	171
TI-741	312
TI741	312
TI-743	159
TI743	159
TI744	159
TI-744	159
TI751	123A
TI-751	123A
TI-752	159
TI752	159
TI802B	123A
TI803B	123A
TI-806G	123A
TI808E	129
TI810B	123A
TI811G	128
TI-890	159
TI-891	193
TI904	123A
TI-905	159
TI-906	159
TI907	123A
TI-907	123A
TI-908	123A
TI908	123A
TI1131	73§
TI1132	73§
TI1133	73§
TI1134	73§
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TI1136	73§
TI1151	73§
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TI1153	73§
TI1154	73§
TI1155	73§
TI1156	73§
TI3010	160
TI3011	160
TI3012	121
TI3015	128
TI-3016	107
TI3016	108
TI3027	121
TI3028	121
TI3029	121
TI-3030	179
TI-3031	179
TI8419	85
TI64213	128
TIA-01	102A
TIA01	102A
TIA02	160
TIA03	100
TIA04	102
TIA05	100
TIA05A	100
TIA06	123A
TIA042	5483§
TIA35	176
TIA102	123A
TIA722	222
TIA7630	1576
TIC22	5667A
TIC23	5667A
TIC44(AGK)	5400
TIC45(AGK)	5401
TIC46(AGK)	5402
TIC46S-S7519	5404
TIC47(AGK)	5404
TIC54	6407
TIC55	6406§
TIC56	6407
TIC57	6406§
TIC60	5400
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TIC62	5402
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TIC64	5404
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TIC106B	5437
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TIC106D	5437
TIC106E	5438
TIC106F	5437
TIC106M	5438
TIC106Y	5437
TIC116A	5462
TIC116B	5463
TIC116C	5465
TIC116D	5465
TIC116E	5466
TIC116F	5461
TIC116M	5466
TIC126A	5552
TIC126B	5552
TIC126C	5554
TIC126D	5554
TIC126E	5556
TIC126F	5550
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TIC206S	5610
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TIC216E	5609
TIC216M	5609
TIC216N	5610
TIC216S	5610
TIC222B	5673
TIC222D	5675
TIC222E	5677
TIC225A	5608
TIC225B	5608
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TL431CP	999M
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TL431P	999M
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TL487C-3	1504
TL487CP	1504
TL489C	1505
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TL489CP	1505
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TL490C-4	1506§
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TL491C-4	1507§
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TL491CN	1507§
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TL494CN	1729
TL1003(KAG)	5408
TL1555P	955M
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TL1741C	941
TL2003(KAG)	5408
TL2741C	941M
TL3709C	909D
TL3741C	941D
TL4003(KAG)	5409
TL4558C	778A
TL4558P	778A
TL4741C	941M
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TLC223D	5629
TLC226A	5629
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TLC555CP	955MC
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TLC556CP	978C
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TLG105	3015A
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TLG124	3010
TLG124A	3010
TLG143	3014A
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TLG208X5	3164
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TLG4003(KAG)	5409◆
TLG6003(KAG)	5410◆
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TLP559	3092◆
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TLP621GR	3098
TLP624	3098
TLP631	3043◆
TLP635	3043
TLP645G	3091◆
TLP651	3092◆
TLP665G	3048
TLP666G	3097
TLP735	3043
TLP751	3092◆
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TLS107-05	5453
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TLS107-4	5457
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TM55RZM	5711
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TM65	116
TM66	116
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TM90RZM	5721
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TM105(RECT)	156
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TM541S-L	5620
TM561M-L	5609#
TM561S-L	5620
TM841M-L	5638
TM841S-L	5620
TM861M-L	5609#
TM861S-L	5620
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TM1041S-L	5671
TM1061M-L	5645
TM1061S-L	5671
TM1241M-L	56006#
TM1241S-L	5671
TM1261M-L	56008#
TM1261S-L	5671
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TM1614	159
TM1641M-L	56016#
TM1641S-L	5671
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TM1712	159
TM2007	5483§
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TM2614	159
TM2711	123A
TM2712	159
TM3007	5485§
TM4007	5485§
TM4503	40097B
TM5007	5487§
TM6007	5487§
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TMD02	136A
TMD02A	136A
TMD03	137A
TMD03A	137A
TMD04	5014A
TMD04A	5014A
TMD06	5016A
TMD06A	5016A
TMD07	139A
TMD07A	139A
TMD08	140A
TMD08A	140A
TMD10	142A
TMD10A	142A
TMD41	116
TMD42	116
TMD45	116
TMM-2SA847-F	91
TMM-2SA978-F	234◆
TMM-2SC2385-F	199
TMM313P	2102
TMM313P-4	2102
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TMM314AP	2114
TMM314AP-3	2114
TMM314APL	2114
TMM314APL-3	2114
TMM315	2147
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TMM315P	2147
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TMM416DC	2117
TMM416DC-3	2117
TMM416DC-4	2117
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TMM416DP-3	2117
TMM416DP-4	2117
TMM416P-3	2117
TMM2016	2128
TMM2016AP	2128
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TMM2016D-2	2128
TMM2016P	2128
TMM2016P-2	2128
TMM2016P-7	2128
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TMM2732D	2732
TMM2732D2	2732
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TMM2764D	2764
TMM2764D-2	2764
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TMM4164C-4	2164
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TMM4164P-3	2164
TMM4164P-4	2164
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TMM41256AP-15	4256
TMM41256AP-20	4256
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TMM41256CP-15	4256
TMM41256CP-20	4256
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TMPD6100	595
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TMPT5401	2411
TMPT5550	2410
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TMPT6429	2406
TMPTA05	2410
TMPTA06	2410
TMPTA12	2404
TMPTA13	2404
TMPTA14	2404
TMPTA20	2406
TMPTA42	2412

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TMPTA43	2412
TMPTA55	2411
TMPTA56	2411
TMPTA63	2405
TMPTA64	2405
TMPTA70	2407
TMPTA92	2407
TMPTA93	2407
TMPTA3638	2407
TMPTA3638A	2407
TMS1943	2061§
TMS1943A2	2060
TMS1943N2	2061§
TMS1943N2L	2061§
TMS1943NL	2061§
TMS1952	2061§
TMS1952N2	2061§
TMS2114-30	2114
TMS2114-45	2114
TMS2114J-30	2114
TMS2114J-45	2114
TMS2114JL-30	2114
TMS2114JL-45	2114
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TMS2114L-45	2114
TMS2114N-30	2114
TMS2114N-45	2114
TMS2114NL-30	2114
TMS2114NL-45	2114
TMS2147	2147
TMS2147-5	2147
TMS2147-7	2147
TMS2147J	2147
TMS2147J-5	2147
TMS2147J-7	2147
TMS2147N	2147
TMS2147N-5	2147
TMS2147N-7	2147
TMS2516	2716
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TMS2516JL-45	2716
TMS2516L	2716
TMS2532	2532
TMS2532-30	2532
TMS2532-30JL	2532
TMS2532-35	2532
TMS2532-35JL	2532
TMS2532-45	2532
TMS2532-45JL	2532
TMS2532JL-45	2532
TMS2708	2708
TMS2708JL	2708
TMS2732A-20JL	2732
TMS2732A-25JL	2732
TMS2732A-30	2732
TMS2732A-35	2732
TMS2732A-45	2732
TMS2732A-45JL	2732
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TMS2732AJL-35	2732
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TMS2764JL	2764
TMS2764JL-25	2764
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TMS4016BN-15L	2128
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TMS4027JDL-20	2104
TMS4027JDL-25	2104
TMS4027JL-20	2104
TMS4027JL-25	2104
TMS4027NL-20	2104
TMS4027NL-25	2104
TMS4033	2102
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TMS4164-20	2164
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TMT842	108
TMT843	108
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TMT-1543	123A
TMT2427	108
TMT-2427	108
TN061690	159
TN061703	159
TN2SA733	290A
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TN2SA733K	290A
TN2SA733P	290A
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TN2SA733Q	290A
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TN2SA733-Q-B	294
TN2SA733-R	290A
TN2SA733R	290A
TN2SA733-R-A	294
TN2SA952L	290A
TN2SA953	290A
TN2SA953K	290A
TN2SA1175	290A
TN2SB810E	294
TN2SB810H	294
TN2SC945	85
TN2SC945K	85
TN2SC945-P	85
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TN2SC945-R	85
TN2SC945R	85
TN2SC1096-K	186A
TN2SC1096-L	186A
TN2SC1449K	184
TN2SC1507	198
TN2SC1507K	198
TN2SC1507-K-A	198
TN2SC1507-L	198
TN2SC1507L	198
TN2SC1507-L-A	198
TN2SC1507-L-B	198
TN2SC1507M	198
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TN2SC1520-3	198
TN2SC1520-K-1	198
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TN2SC1520-L-1A	198
TN2SC1520-L-3A	198
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TN2SC1520-M-1A	198
TN2SC1520-M-3A	198
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TN2SC1845	90
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TN2SC1941	399
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TN2SC2002L	85
TN2SC2785E	2361
TN2SC2785H	2361
TN2SD471K	293
TN2SD568K	196
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TN64	123A
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TN70D03001	2359
TN79	192§
TN80	123A
TN81	192§
TN232-01	5590
TN232-04	5591
TN232-06	5591
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TP108B	123AP
TP108C	123AP
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TP109A	123AP
TP109B	123AP
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TPS90MN	85
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TPS90MY	85
TPS91	290A
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TPS93M(CBE)	159
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TPS99(CBE)	194
TPS100(CBE)	287
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TPS108(CBE)	123AP
TPS110(CBE)	123AP
TPS111(CBE)	123AP
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TPS133(CBE)	123AP
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TR-01C(Penncrest)	123A
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TR-01E(Penncrest)	128
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TR02C	121
TR-02E	116
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TR-03	105
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TR03C	105
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TR02057-1	183§
TR02057-3	183§
TR0-2057-3	183§
TR02057-4	183§
TR0-2057-4	183§
TR0-2058-1	183§
TR-02058-5	183§
TR0-2058-5	183§
TR02058-5	183§
TR02059-5	219
TR02060-7	180
TR02062-1	159
TR02062-6	129
TR02063-1	159
TR02063-5	159
TR02063-6	159
TR02063-8	159
TR02064-5	248
TR0-2064-5	248
TR02064-6	248
TR0-2064-6	248
TR0-2064-7	248
TR02064-7	248
TR0-2064-8	248
TR02064-9	248
TR02065	288
TR06011	312
TR06014	312
TR08003	222
TR08004	222
TR09004	718
TR0-9005	703
TR09005	703
TR09006	703
TR0-9006	703
TR09007	750§
TR0-9007	750§
TR09008	760
TR09009	760
TR0-9010	746
TR09010	746
TR09011	720
TR0-9011	720
TR09012	703
TR0-9017	722
TR09017	722
TR09018	788
TR0-9018	788
TR09019	801
TR0-9022	1090§
TR09022	1090§
TR09024	1090§
TR09027	801
TR09029	708
TR09032	799
TR09033	802
TR09034	803
TR010602-1	108
TR0105305	123AP
TR-0105805	182§
TR0573486	233
TR0573491	123A
TR0573507	229
TR0575002	109
TR0575005	110MP
TR1N2326	OBS-NLA
TR1N4002	116
TR-1R26	160
TR1R26	160
TR-1R31	108
TR-1R33	123A
TR-1R35	108
TR2A	116
TR2N990	160
TR2N2148	121
TR2N2614	102A
TR2N2614C	102A
TR-2N2641C	102A
TR2N2654	160
TR2N2924	289A
TR-2N2924-18	289A
TR2N2925-18	123A
TR2N3588	160
TR2N3588-3	160
TR2N3638A-3	159
TR2N4079...131 + 155(CP)	
TR2N4248	159
TR2N5163	312
TR2N5163A	312
TR2N5163B	312
TR2R26	160
TR-2R26	160
TR-2R31	108
TR-2R33	108
TR-2R35	108
TR2S1570LH	123A
TR2SA608NP(ECB)	159
TR2SA608NPE(ECB)	159
TR2SA608NPF(ECB)	159
TR2SA763	234
TR-2SC367	123A
TR2SC371	108
TR-2SC371	108
TR2SC372	108
TR-2SC372	108
TR-2SC373	123A
TR2SC373	123A
TR2SC384	108
TR-2SC384	108
TR2SC482	128
TR-2SC482	128
TR2SC535	229
TR2SC536E	199
TR2SC536F	199
TR2SC671	195A
TR-2SC735	123A
TR2SC735	123A
TR2SC930D	229
TR2SC1342	229
TR2SC1570LH	123A
TR2SC3677	123A
TR2SD325	152
TR2SD325E	152
TR2SD330E	152
TR2SD400E	382
TR2SD400F	382
TR2SD1138	375
TR2SK55	312
TR-2SK55	312
TR-3R26	160
TR3R26	160
TR-3R31	108
TR-3R33	108
TR-3R35	108
TR-3R38	123A
TR4R26	160
TR-4R26	160
TR-4R31	128
TR-4R33	123A
TR-4R35	108
TR-4R38	159
TR4S	5008A
TR-5	121
TR-5R26	102A
TR5R26	102
TR-5R31	128
TR-5R33	123A
TR-5R35	123A
TR-5R38	123A
TR5S	5010A
TR6R26	102
TR-6R26	102A
TR-6R33	123A
TR-6R35	159
TR-6R35A	159
TR6S	5070A
TR-7GS	138A
TR-7R31	128
TR-7R35	123A
TR7SA	5014A
TR-7SA	138A
TR7SB	5071A
TR-8R35	123A
TR-9GS	139A
TR9S	139A
TR-9S	139A
T-R9S	139A
TR9SA	5016A
TR-9SA	139A
TR-9SB	139A
TR9SB	139A
TR-10	101
TR-10C	101
TR10C	101
TR-11	126A
TR-11C	160
TR11C	160
TR-12	160
TR-12C	160
TR12C	160
TR12S	5022A
TR12SA	5021A
TR12SB	5022A
TR12SC	5023A
TR-13	160
TR13C	160
TR-13C	160
TR-14	102A
TR14C	102A
TR-14C	102A
TR-15	102A
TR15C	102A
TR-15C	102A
TR-16	104
TR-16C	104
TR16C	121
TR16X2	104MP
TR-17	160
TR-17A	160
TR-17C	160
TR-18	160
TR18C	160
TR-18C	160
TR-19	152
TR19(PNP/GE)	160
TR19(PNP/SIL)	159
TR19(PWR)	152
TR-19A	159
TR-20	159
TR-20A	159
TR-21	123A
TR-21-6	123A
TR21C	108
TR-21C	123A
TR22	129
TR-22	123A
TR22A	129
TR22C	108
TR-22C	123A
TR23	128
TR-23	124
TR23A	129
TR-23C	124
TR23C	124
TR24	108
TR-24	108
TR-24(Philco)	123A
TR-25	128
TR25	128
TR-26	130
TR26	130
TR26-1	175
TR26C	130
TR-28	129
TR28(PNP)	129
TR28(PWR)	152
TR29	219
TR-29	219
TR30	159
TR-30	159
TR-30A	159
TR31	159
TR-31B	128
TR32	194
TR33	199
TR36	181
TR37	218
TR38	108
TR-43B	121
TR48	109
TR50	131
TR51	160
TR52	160
TR53	100
TR54	102A
TR55	100
TR56	104
TR57	105
TR62	160
TR-65	195A
TR67	165
TR68	162
TR71	102A
TR72	102A
TR-75	142A
TR-76	152
TR-77	116
TR92-1	5655
TR92-2	5655
TR92-3	5655
TR92-4	5655
TR92-5	5656
TR92-6	5656
TR92A-1	5655
TR92A-2	5655
TR92A-3	5655
TR92A-4	5655
TR92A-5	5656
TR92A-6	5656
TR92B-1	5655
TR92B-2	5655
TR92B-3	5655
TR92B-4	5655
TR92B-5	5656
TR92B-6	5656
TR93-1	5655
TR93-2	5655
TR93-3	5655
TR93-4	5655
TR93-5	5656
TR93-6	5656
TR93A-1	5655
TR93A-2	5655
TR93A-3	5655
TR93A-4	5655
TR93A-5	5656
TR93A-6	5656
TR93B-1	5655
TR93B-2	5655
TR93B-3	5655
TR93B-4	5655
TR93B-5	5656
TR93B-6	5656
TR94-1	5655
TR94-2	5655
TR94-3	5655
TR94-4	5655
TR94-5	5656
TR94-6	5656
TR94A-1	5655
TR94A-2	5655
TR94A-3	5655
TR94A-4	5655
TR94A-5	5656
TR94A-6	5656
TR94B-1	5655
TR94B-2	5655
TR94B-3	5655
TR94B-4	5655
TR94B-5	5656
TR94B-6	5656
TR-95	139A
TR-95(B)	139A
TR100	5982
TR103	6054
TR105(Sprague)	199
TR106(Sprague)	234
TR110B	179
TR112	108
TR116A	5640
TR116B	5641
TR116D	5642
TR116M	5643
TR125B	145A
TR135A	5645
TR135AA	5645
TR135AB	5645
TR135AD	5645
TR135AM	5645
TR135B	5645
TR135D	5645
TR135M	5645
TR136A	5645
TR136B	5645
TR136D	5645
TR136M	5645
TR140A	5645
TR140B	5645
TR140D	5645
TR140M	5645
TR141A	56004
TR141B	56004
TR141D	56006
TR141M	56008
TR142A	5645
TR142B	5645
TR142D	5645
TR142M	5645
TR146A	56004
TR146B	56004
TR146D	56006
TR146M	56008
TR147A	5645
TR147B	5645
TR147D	5645
TR147M	5645
TR150	5896
TR151	5986
TR152	5916
TR153	6054
TR-157(Olson)	158
TR-158(Olson)	158
TR-159(Olson)	101
TR-160(Olson)	101
TR160A	5679
TR160B	5679
TR160C	5679
TR160D	5679
TR-161(Olson)	160
TR-162(Olson)	123A
TR-163(Olson)	108
TR-164(Olson)	128
TR-165(Olson)	129
TR-166(Olson)	160
TR167	101
TR-167(Olson)	159
TR-168(Olson)	126A
TR-169(Olson)	102A
TR-170(Olson)	158
TR-171	161
TR-172(Olson)	104
TR-174(Olson)	105
TR-175(Olson)	124
TR-176(Olson)	181
TR-178(Olson)	121
TR-180(Olson)	175
TR182	101
TR-182(Olson)	185
TR183	101
TR-183(Olson)	127
TR184	101
TR-184(Olson)	131
TR-185(Olson)	150A
TR-186(Olson)	162
TR-187(Olson)	163A
TR-188(Olson)	175
TR193	101
TR194	101
TR200	5986
TR203	6054
TR211	101
TR212	101
TR213	101
TR214	101
TR216	101
TR251	5990
TR252	5988
TR253	6060
TR262-2	124
TR266-2	124
TR271TR26	130
TR300	5990
TR301	154
TR302	123A
TR303	6060
TR320	102A
TR-320	102A
TR320A	102
TR-320A	102A
TR320AN	102A
TR321	102
TR-321	102A
TR321(HFGH1)	100
TR-321A	102A
TR323	102
TR-323A	102A
TR323A	102
TR323AN	102A
TR331	160
TR332	102
TR333	121
TR334	105
TR335	101
TR336	101
TR337	101
TR338	103
TR351	5990
TR352	5990
TR353	6060
TR383	102
TR383(HGFH-2)	102
TR400	5990
TR401	5990
TR402	5990
TR403	6060
TR482	100
TR-482A	102A
TR482A	100
TR501	5952
TR502	5992
TR508	102
TR-508A	102A
TR508A	102
TR508AN	102A
TR515T	5541
TR601	123A
TR602	5994
TR650A	102A
TR653	102
TR653A	102A
TR721	102
TR721A	102A
TR722	102
TR722A	102A
TR760	100
TR763A	102A
TR1000	129
TR-1000-2	159
TR-1000-3	128
TR-1000-7	130
TR1000A	159
TR1001	128
TR1002	129
TR1003	128
TR1004	129
TR1005	128
TR1007	130
TR1007(Transistor)	130
TR1009	181
TR1009A	181
TR1011	123A
TR1012	129
TR1015T	5542
TR1025	390
TR1030	159
TR1030-1	159
TR-1030-1	159
TR1030-2	159
TR-1030-2	159
TR1030A	159
TR1031	123A
TR1031-1	123AP
TR1031-2	123AP
TR1032	159
TR1032-1	129
TR-1032-2	159
TR1032-2	129
TR1032-3	129
TR1032-4	129
TR1032-5	129
TR1032A	159
TR1033	123A
TR1033-1	128
TR-1033-1	123A
TR-1033-2	128
TR1033-2	128
TR1033-3	123A
TR1033-4	128
TR1033-5	128
TR1033-6	190
TR1034	159
TR1034-3	159
TR1034-4	159
TR1034-5	159
TR1034A	159
TR1035-3	81
TR1035-4	81
TR1035-5	81
TR1036	179
TR1036-1	183§
TR-1036-1	183§
TR1036-2	183§
TR-1036-2	183§
TR1036-3	183§
TR-1036-3	187
TR-1037-1	182§
TR1037-1	182§
TR-1037-2	182§
TR1037-2	182§
TR1037-3	182§
TR-1037-3	186
TR1038	179
TR1038-4	219
TR1038-5	281
TR1038-6	183§
TR1039-4	130
TR-1039-4	130
TR1039-5	280
TR1039-6	130
TR1077	130
TR1120	5870
TR1121	5874
TR1122	5874
TR1123	5876
TR1124	5878
TR1125	5882
TR1126	5882
TR1128	5886
TR1130	5890
TR-1347	123A
TR1490	130
TR1491	130
TR1492	130
TR1493	130
TR1512-80	108
TR1591	175
TR1593	175
TR1605LP	124
TR-1993	199
TR1993-2	123A
TR2015T	5543
TR2083-41	109
TR2083-42	109
TR2083-44	601
TR2083-70	453
TR2083-71	313
TR2083-72	313
TR2083-73	313
TR2083-74	313
TR2083-75	102
TR-2880	116
TR2880	116
TR3015T	5545
TR4010	199
TR4012-2	123AP
TR4015T	5545
TR4083-2327311	1039
TR4083-2327312	1039
TR4104-2327411	1041
TR4104-2327421	720
TR5528	312
TR6010	5529
TR6010X	5529
TR7010	5531
TR7010X	5531
TR-8001	160
TR8001	160
TR-8002	160
TR8002	160
TR-8003	160
TR8003	160
TR8004	108
TR-8004	123A
TR8004-4	123A
TR-8004-4	108
TR-8004-5	108
TR-8005	124
TR8005	124
TR8006	121
TR-8006	121
TR8007	102
TR-8007	159
TR-8007(Fisher)	159
TR8007A	159
TR-8010	107
TR8010	5531
TR8010(SCR)	5531
TR8010(Transistor)	123A
TR8010X	5531
TR8014	123A
TR-8014	123A
TR8018	181
TR-8018	181
TR-8019	153
TR8019	153
TR8020	159
TR-8020	129
TR8021	123A
TR-8021	128
TR-8022	190
TR8022	190
TR-8023	128
TR8023	190
TR-8024	128
TR8024	190
TR8025	123A
TR-8025	123A
TR-8026	159
TR8026A	159
TR-8027	312
TR-8028	108
TR8028	123A
TR-8029	108
TR8029	123A
TR8030	123A
TR-8030	108
TR8031	123A
TR-8031	108
TR-8032	108
TR-8034	199
TR8034	123A
TR-8035	123A
TR8035	123A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TR-8036	128
TR8036	128
TR-8037	159
TR8037	129
TR-8038	108
TR-8039	123A
TR8039	123A
TR-8040	199
TR8040	123A
TR-8042	123A
TR8042	108
TR-8043	107
TR8043	123A
TR8055	159
TR9004(IC)	718
TR9100	123A
TR-9100-18	123A
TR12001-4	109
TR13006-1	177
TR13006-2	177
TR13006-3	177
TR14001-1	5081A
TR14001-2	5130A
TR-14001-2	5130A
TR-14001-4	5135A
TR14002-2	145A
TR14002-6	142A
TR14002-10	5084A
TR-14002-10	147A
TR14002-12	145A
TR14002-13	5079A
TR17001-1	614
TR17001-6	614
TR35144	121
TR35144A	121
TR35524	121
TR36642	130
TR36642D	130
TR36643	128
TR-36643A	128
TR38117	102A
TR39453	221
TR40245-1	161
TR40245-2	161
TR40245-3	161
TR40603	221
TR40604	222
TR80073	704
TR310011	102A
TR310012	102A
TR310015	100
TR310017	102A
TR310018	102A
TR310019	160
TR310025	160
TR310026	102A
TR310065	160
TR310068	160
TR310069	160
TR310075	102A
TR310107	102A
TR310123	160
TR310124	160
TR310125	102A
TR310136	102A
TR310139	160
TR310147	160
TR310149	102A
TR310150	160
TR310153	102A
TR310155	160
TR310156	160
TR310157	160
TR310158	160
TR310159	102A
TR310160	103A
TR310161	100
TR310164	102A
TR310193	160
TR310224	160
TR310225	102
TR310227	102A
TR310230	108
TR310231	123A
TR310232	160
TR310235	102A
TR310236	103A
TR310243	123A
TR310244	108
TR310245	123A
TR310249	108
TR310250	108
TR310251	102A
TR310252	102A
TR310255	102A
TR320007	110MP
TR320008	109
TR320020	116
TR320022	116
TR320039	109
TR320041	109
TR320043	109
TR330027	116
TR330028	140A
TR2320063	289A
TR2327031	125
TR2327041	116
TR2327203	152
TR2327293	289A
TR2327312	1039
TR2327333	289A
TR2327363	199
TR2327393	185
TR2327411	1041
TR2327422	720
TR2327431	222
TR2327443	199
TR2327444	199
TR2327574	390
TR2327603	184
TR2327607	184
TR2327723	153
TR2327733	138A
TR2327743	129
TR2327841	219
TR2327852	175
TR2337011	177
TR2337063	5080A
TR2337101	142A
TR2337103	144A
TR2337123	137A
TR2367161	1124
TR2367171	801
TR5320326	229
TR228735045311	108
TR228735046011	107
TR228735048617	108
TR228735048618	108
TR228735120325	312
TR228736002003	109
TR228736002004	110MP
TR228736003026	140A
TR228779905696	1003
TR 19A	199
TRA-2	126A
TRA-4	123A
TRA4	123A
TRA4A	123A
TRA-4A	123A
TRA4B	123A
TRA-4B	123A
TRA-7R	121
TRA7R	121
TRA-7RM	121
TRA8R	121
TRA-8R	121
TRA9R	123A
TRA-9R	123A
TRA-10R	126A
TRA10R	160
TRA11(SCR)	5514
TRA11D(SCR)	5502
TRA-11R	126A
TRA11R	160
TRA12(SCR)	5514
TRA12D(SCR)	5504
TRA12R	160
TRA-12R	126A
TRA14(SCR)	5515
TRA14D(SCR)	5507
TRA-22	126A
TRA22A	160
TRA-22A	126A
TRA22B	160
TRA-22B	126A
TRA-23	126A
TRA23	160
TRA23A	160
TRA-23A	126A
TRA23B	160
TRA-23B	126A
TRA-24	126A
TRA-24A	126A
TRA-24B	126A
TRA24C	160
TRA32	102A
TRA-32	102A
TRA33	102A
TRA-33	102A
TRA34	123A
TRA-34	123A
TRA-36	123A
TRA36	123A
TRA71	5514
TRA71D	5491
TRA72	5514
TRA72D	5492
TRA74	5515
TRA74D	5494
TRA105(SCR)	5514
TRA105D(SCR)	5501
TR-A415	108
TRA705	5514
TRA705D	5491
TRAL1115D	5673
TRAL1115DM	5673‡
TRAL1125D	5693
TRAL1125DM	5693‡
TRAL1135D	5693
TRAL1135DM	5693‡
TRAL2215D	5675
TRAL2215DM	5675‡
TRAL2225D	5695
TRAL2225DM	5695‡
TRAL2235D	5695
TRAL2235DM	5695‡
TRAPLC711	123A
TRAPLC871	123A
TRAPLC871A	123A
TRAPLC1013	186
TR-BC107B	123A
TR-BC109B	123A
TR-BC147B	123AP
TRBC147B	123AP
TRBC149C	123AP
TR-BC149C	199
TR-BF115	108
TR-BF184	161
TR-BRC149C	123A
TRC44	100
TR-C44	100
TRC44A	100
TR-C44A	100
TRC45	100
TR-C45	102
TR-C45A	100
TRC45A	100
TRC70	102
TR-C70	102
TRC71	102
TR-C71	102
TRC72	102
TR-C72	102
TR-C72(Diode)	178MP
TRC-P4	113A
TRDS442	177
TR-DTG110	121
TR-DTG110B	121
TR-F1462	312
TR-F1463	312
TR-FET-1	312
TRHA1151	1237§
TRLA1230	788
TRLP2004	397
TRMBC149B	123AP
TR-MPF106	451
TRN241K	524V15
TRO31	176
TRO1054-7	128
TRO-9004	718
TRO-9005	703
TRO-9006	703
TRO-9011	720
TRO9033	802
TRQ9034	803
TRQ6040P-1	5679
TRR6	137A
TR-RR38	123A
TRS0404E13	5380
TRS0412E13	5381
TRS100	154
TRS100A	154
TRS100HC	282§
TRS101	154
TRS120	154
TRS125HC	282§
TRS140	154
TRS140HP	171
TRS140MP	198
TRS160	154
TRS160HP	171
TRS160MP	198
TRS180	154
TRS180HP	171
TRS180MP	198
TRS200	154
TRS200HP	171
TRS200MP	198
TRS225	154
TRS225HP	171
TRS225MP	198
TRS250	154
TRS250HP	171
TRS250MP	198
TRS275	154
TRS275HP	171
TRS275MP	198
TRS301	154
TRS301HF	171
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TVS2SC564-O	159
TVS2SC564R	159
TVS-2SC582	128
TVS-2SC582A	128
TVS-2SC605	108
TVS-2SC606	108
TVS-2SC644	107
TVS2SC644	123A
TVS-2SC645	107
TVS2SC645	108
TVS2SC645A	108
TVS-2SC645A	107
TVS2SC645B	123A
TVS-2SC645B	107
TVS-2SC645C	107
TVS2SC645C	108
TVS-2SC646	181
TVS2SC647	130
TVS2SC647A	101
TVS2SC647B	165
TVS2SC647C	165
TVS2SC647D	165
TVS2SC647E	165
TVS2SC647-O	165
TVS2SC647-P	165
TVS2SC647Q	165
TVS2SC647R	165
TVS-2SC683	161
TVS2SC683	108
TVS-2SC683V	161
TVS-2SC684	161
TVS2SC684	123A
TVS-2SC687	162
TVS2SC696	128
TVS-2SC762	161
TVS2SC762	108
TVS2SC828	123A
TVS-2SC828	123A
TVS2SC828A	123A
TVS-2SC828A	123A
TVS2SC828P	123A
TVS-2SC828Q	123A
TVS2SC828Q	108
TVS2SC828R	123A
TVS2SC829B	107
TVS-2SC840	175
TVS2SC840	124
TVS-2SC840A	175
TVS2SC840A	124
TVS2SC840C	175
TVS-2SC901	163A
TVS2SC901	162
TVS2SC920-0Q	108
TVS2SC945A	85
TVS-2SC948	161
TVS2SC968	123
TVS2SC1255	128
TVS2SC1255HF	128
TVS2SC1256	129
TVS2SC1256HG	129
TVS2SC1505	198
TVS2SC1505-1	198
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TVS2SC1507	198
TVS2SC1507K	198
TVS2SC1507L	198
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TVS2SC1520	198
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TVS2SC1629A	238
TVS2SC1664	274
TVS2SC1664R	274
TVS2SC1683P	375
TVS2SC1768	162
TVS2SC1826	196
TVS2SC1828	175
TVS2SC1875	165
TVS2SC1875Q	389
TVS2SC1875R	389
TVS2SC2688	157
TVS2SC5640	159
TVS2SD201M	130
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TVS2SD226A	175
TVS-2SD226A	175
TVS2SD226B	175
TVS2SD226C	175
TVS2SD226D	175
TVS2SD226-O	175
TVS2SD226O	175
TVS2SD226P	175
TVS2SD401	291
TVS2SD794	184
TVS2SD794-2	184
TVS2SD794P	184
TVS2SD794Q	184
TVS2SD950	165
TVS2SD950-Q	389
TVS2SD968	128
TVS3DL2	552
TVS4LS221N	74LS221
TVS5B-2-H5W	506
TVS5-B-HW5	506
TVS5N76642N	709
TVS10D	116
TVS10D1	116
TVS10D1(Pwr. Rect.)	116
TVS10D2	552
TVS-10D8	125
TVS10D8	125
TVS10DC4	116
TVS10DC4R	116
TVS10DQ03	116
TVS10E	116
TVS10E1	552
TVS10E2	552
TVS10E4	552
TVS25A103	160
TVS25B172	102
TVS25B448	127
TVS25C208	123A
TVS25C562	123A
TVS25C645	123A
TVS-82G	112
TVS-182G	112
TVS-185D	116
TVS340M	5424#
TVS550	116
TVS-828A	123A
TVS828A	123A
TVS-1303	159
TVS1850	116
TVS2406M	552
TVS4150	177
TVS6321FLC6	5424
TVS25126F	121
TVSA01.07RE	5071A
TVS-A910	507
TVSA81004	585
TVSAFS01	506
TVSAFSD1	506
TVSAN155	147A
TVSAN220	711
TVS-AN225	1062
TVSAN225	739
TVS-AN227	1063§
TVSAN241	712
TVS-AN241	712
TVSAN241D	712
TVS-AN241D	712
TVSAW01-11	5074A
TVSB01-02	552
TVSB01-02(ZENER)	5074A
TVSB01-2	177
TVSB0102	116
TVSB0102V	116
TVSB24-06	552
TVSB24-06C	552
TVSB24-06D	552
TVSB1201	116
TVSB1202	125
TVSB1202V	116
TVSB1204	125
TVSB1204V	116
TVSB2404C	552
TVSB2404D	552
TVSB2406C	552
TVSB2406D	552
TVSB2804D	552
TVSB3015M	558
TVSB4302	552
TVSB4302V	552
TVSB4304	552
TVSB4304V	552
TVSB81004	586
TVSB84009	579
TVSBA526	1612
TVSBAX-13	177
TVSBAX13	177
TVSBAZ13	507
TVSBB2	506
TVSBB2A	552
TVSBB10	552
TVSBBE	116
TVSBN5111	1440§
TVSBN5416	1683
TVSBN5416A	1683
TVSC0102FL7	125
TVSC0102L7	125
TVSC0410	125
TVSC0508	125
TVSC0510	125
TVSC1255H	128
TVSC2406M	552
TVSC2615A	558
TVSC2715M	506
TVSC3153GM1	984
TVSC4702	580
TVSCA3126	797
TVSCA3137	1176§
TVSCA3139GM1	1174
TVSCA3139GMI	1174
TVSCA3153GM1	984
TVSCA3153GMI	984
TVSCN5310	1410
TVSCN5311	1410
TVSCN5311LM	1410
TVSCN5411	1299
TVS-CS1255H	123A
TVS-CS1255HF	123A
TVSCS1255HF	192§
TVS-CS1256HG	129
TVS-CS1256HG	192§
TVS-CS1303	159
TVS-CS1303A	159
TVSD1K	116
TVSD52K	116
TVS-DG1NR	506
TVS-DG-1N-R	116
TVSDG1NR	116
TVS-DS-1K	116
TVS-DS1K	116
TVS-DS1M	116
TVSDS1M	156
TVS-DS-1M	116
TVSDS2K	156
TVS-DS2K	116
TVSDS-2K	125
TVSDS2M	116
TVSEA06	116(4)
TVSEM1	116
TVSEM1V	116
TVSEM1Z	116
TVSEM1ZV	116
TVSEN1364	1231
TVSEN11235	1550
TVSEN11238	1669§
TVSEN11401	1401
TVSEN11414	1403
TVSEN11436	1650
TVSEN11438	986
TVSEQA01-05T	5010A
TVSEQA01-06S	5075A
TVSEQA01-057	136A
TVSEQA01-125	142A
TVSEQB01-12	142A
TVSEQB01-15	145A
TVSER0508	125
TVSER824-06	506
TVSERA81-004	116
TVSERB-04D	552
TVSERB12-01	116
TVSERB12-02	125
TVSERB24-04D	506
TVSERB24-06	506
TVSERB24-06A	506
TVSERB24-06B	506
TVSERB24-06C	552
TVSERB24-06D	552
TVSERB2406C	506
TVSERC04-10	125
TVSERC0410	125
TVSERC0508	125
TVSERC0510	125
TVSERC0510V	125
TVSES1	552
TVSES1Z	552
TVSESA06	116
TVSESA10N	116
TVS-ET1P	116
TVSEU1Z	552
TVSEU2	552
TVSEU2A	552
TVSEU2V	552
TVSFG2PC	506
TVS-FR1MD	116
TVSFR1P	116
TVS-FR-1P	116
TVS-FR1P	506
TVS-FR-1P(FR1P)	116
TVS-FR1-PC	116
TVSFR1PC	116
TVS-FR1PC	116
TVSFR2-005	506
TVSFR2-02	506
TVSFR2-02C	506
TVSFR2-02G	506
TVSFR2-04	506
TVSFR2-06	116
TVSFR2-10	506
TVS-FR2M	116
TVS-FR2P	506
TVS-FR2PC	156
TVS-FR-2PC	116
TVS-FR10	125
TVSFT1M	506
TVS-FT1N	506
TVS-FT-1N	125
TVSFT1P	116
TVS-FT1P	506
TVS-FT-1P	116
TVSFT-1P	506
TVS-FT1PC	506
TVS-FT10	125
TVS-FU1N	116
TVSFU1N	116
TVSG4011BCM	4011B
TVSGH3F	558
TVSGH3FLF	525
TVSGP2-354	177
TVSGRU2A	552
TVSH6ZA1	5010T1
TVS-H-339W	505
TVS-H-399W	505
TVSHA-1	506
TVSHA-1/HF-1	506
TVSHA1151	1237§
TVSHF1	506
TVSHF-1	506
TVSHF-1/HF-1	506
TVSHFD1Z	506
TVSHFSD1	506
TVSHFSD-1A	116
TVS-HF-SD-1C	506
TVSHFSD-1C	506
TVSHFSD-1/HF-1	506
TVS-HF-SD1Z	506
TVSHFSD-1Z	506
TVS-HFSD1Z	116
TVSHFSD1Z	506
TVS-HF-SD1ZC	119
TVS-HF-SD-12	116
TVSHFSD12C	116
TVSHS7/1	118
TVS-HS25/16	503
TVSHZ5C1	5010T1
TVSHZ5C1TD	5010T1
TVSHZ6A1	5011A
TVSHZ6C	5012A
TVSHZ9A1	5016A
TVSHZ9C1	5018A
TVSHZ11B1	5020A
TVSHZ11C2	5020A
TVSHZ11C3	5020A
TVSHZ11C3TE	5020A
TVSHZ33S1	5036A
TVSHZT33	615A
TVSIS1850	116
TVSJA1200	123A
TVSJL41A	116
TVSJN76664V	712
TVSK112C	113A
TVS-K112C	113A
TVSKB265A	601
TVSKB462F	607
TVS-KC2CP12/1	116
TVS-KC2DP12/2	116
TVS-KC2dp12/2	116
TVS-KC2-LP	116
TVS-KC20P12/1	116
TVSL78M12RL	966
TVSL78N05	960◆
TVSLA7530N	1827
TVSM1-02	116
TVSM5218L	778S
TVSM51247	1173§
TVSM51247P	1173§
TVSM51376SP	7014
TVSM53210P	7410
TVSM53216P	7416
TVSM58725P	2128
TVSMA26	177
TVSMB-1F	558
TVSMB1F	525
TVSMI-15R	116
TVSMI15RC	116(2)
TVSMI-15S	116(2)
TVSMI15SC	116(2)
TVSMP0574J	615A
TVSMPC-23C	1046
TVS-MPC23C	1046
TVSMPC574J	615A
TVSMPC595C	1186
TVSMPC596C	1187
TVSMPC596C2	1187
TVSMPC596C2B	1187
TVSMPC596CE	1187
TVSMPC1355C	749
TVSMR1	156
TVSMR1C	125
TVSMR1F	525
TVSMR-1M	125
TVSMT-15RC	116(2)
TVSMT-15SC	116(2)
TVSN13T1	6402§
TVS-OA70	109
TVSOA71	116
TVS-OA81	177
TVS-OA90	109
TVS-OA91	109
TVS-OA95	177
TVS-OV-02	116
TVS-PC02P11/2	116
TVSPC23C	1046
TVSPC-713U	3041◆
TVSPC1380C	1196
TVS-PCD2P11/2	116
TVSPCD2P11/2	116
TVSQ01-06SB	5070A
TVSQ01-07RE	5071A
TVSQ207M	5014A
TVSQA01-06SB	5070A
TVSQA01-07R	145A
TVSQA01-07RE	5071A
TVSQA01-11SE	5074A
TVSQA01-12S	142A
TVSQA01-14RD	144A
TVSQA01-15RB	145A
TVSQA01-25A	5080A
TVSQA01-25R	5080A
TVSQA01-25RA	5081A
TVSQA01-115E	5074A
TVSQA01-SE	5074A
TVSQA105R	5010A
TVSQA105RA	5009A
TVSQA106S	137A
TVSQA107R	5014A
TVSQA107RE	5014A
TVSQA107SP	5014A
TVSQA108SH	5016A
TVSQA111S	5074A
TVSQA111SE	5074A
TVSQA112R	5021A
TVSQA112R1	5021A
TVSQA112RN-2	5021A
TVSQA116R2	5025A
TVSQA135R2	5037A
TVSQA205AB	5009A
TVSQA205ABV	5010A
TVSQA205C	5010A
TVSQA205D	5010T1
TVSQA205E	5010A
TVSQA205EV3	5010A
TVSQA205F	5010A
TVSQA205FV3	5010A
TVSQA205G	5010A
TVSQA205GV3	5010A
TVSQA206	5012A
TVSQA206A	5012A
TVSQA206AB	5011A
TVSQA206B	5012A
TVSQA206CD	5013T1
TVSQA206CDV	5012A
TVSQA206G	5013T1
TVSQA206M	5012A
TVSQA206MV	5012A
TVSQA206MV3	5012A
TVSQA207D	5015A
TVSQA207M	5014A
TVSQA207M3	5014A
TVSQA208	5016A
TVSQA208C	5016A◆
TVSQA208G	5016A
TVSQA208GV3	5016A
TVSQA209B	5017A
TVSQA209C	5018A
TVSQA209M	5018A
TVSQA209M9	5016A
TVSQA210D	5019T1
TVSQA211B	5020A
TVSQA211N1	5020A
TVSQA212B	5021T1
TVSQA213A	5022A
TVSQA213B	5022A
TVSQA213M2	5022A
TVSQA225A	5032A
TVSQA228B	5034A
TVSQA230B	5035A
TVSQA233C	5037A
TVSQA233CV	5036A
TVSQA233CV3	5037A
TVSQA233G	5037A
TVSQA235AC	5037A
TVSQA235C	5037A
TVSQA235G	5037A
TVSQA1063	5013A
TVSQB01-11ZB	5074A
TVSQB01-15ZB	145A
TVSQB01-18	5077A
TVSQB105N	135A
TVSQB106P	5070A
TVSQB107D	5071A
TVSQB107DV	5071A
TVSQB107S	5071A
TVSQB107SV	5071A
TVSQB109SA	5073A
TVSQB110D	5074A
TVSQB112	142A
TVSQB112E1	142A
TVSQB112ZE	142A
TVSQB115ZB	145A
TVSQB115ZBV	145A
TVSQB118	5077A
TVSRA1A	177
TVSRA1Z	506
TVSRA-1Z	506
TVSRA1ZC	506
TVSRA26(RECT)	116
TVSRA26(Zener)	140A
TVSRC2	525
TVSRD2R4E	5000A
TVSRD2.7EB2	5002A
TVSRD3R3EB	5005A
TVSRD3R6EB2	5006A
TVSRD3R9EB2	5007A
TVSRD3R9EC	5007A
TVSRD3REB	5005A
TVSRD3.0EB1	5004A
TVSRD3.0EB1Z	5004A
TVSRD3.0EB2	5004A
TVSRD3.0EL1	5004A
TVSRD3.0EL1Z	5004A
TVSRD3.6EL1	5006A
TVSRD3.6EL1Z	5006A
TVSRD4AM	134A
TVSRD4R7EB	5009A
TVSRD4R7EB2	5009A
TVSRD4.7EB2	5009A
TVSRD4.7EB3Z	5009A
TVS-RD5A	135A
TVSRD5A	135A
TVSRD5AK	135A
TVSRD5R1B3	5010A
TVSRD5R1JB	5010A
TVSRD5R1JB3	5010A
TVSRD5.1EB	5010A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
TVSRD5.1EB1	5010A
TVSRD5.1EB1Z	5010A
TVSRD5.1EB2	5010A
TVSRD5.1EC	135A
TVSRD5.1EL2Z	5010T1
TVSRD5.6EB1	5011A
TVSRD5.6EN3	5011A
TVSRD5.6EN3Z	5011A
TVSRD6A	134A
TVSRD6R8EB	5014A
TVSRD6.2EB	5013A
TVSRD6.2EB1	5013A
TVSRD6.2EB1Z	5013A
TVSRD6.2EB3	5013A
TVSRD6.2FB1	137A
TVSRD6.2FB2	137A
TVSRD6.8MB2X	5014A
TVS-RD7A	138A
TVSRD7.5EBMV	5015A
TVSRD8.2EB1	5016A
TVSRD8.2EB2	5016A
TVSRD9AL	139A
TVSRD10FC	140A
TVSRD11	140A
TVS-RD11A	5074A
TVSRD11A	140A
TVSRD11EB1	5020A
TVSRD11EB3	5020A
TVSRD11EBS	5020A
TVSRD12EB	5021A
TVSRD12EB1	5021A
TVSRD12EB1Z	5021A
TVSRD12EBM	5021A
TVSRD12FB2	142A
TVSRD12FB3	142A
TVS-RD13A	143A
TVSRD13AL	143A
TVS-RD13D	142A
TVSRD13EB2	5022A
TVSRD13EB2Z	5022A
TVSRD13EL1	5021T1
TVS-RD13M	142A
TVS-RD13P	142A
TVSRD15EB2	5024A
TVSRD15EB3	5024A
TVSRD15FM	145A
TVSRD15FMZ	145A
TVSRD16EB2	5025A
TVSRD22EB1	5030A
TVSRD24EB1	5031A
TVSRD27E	5033A
TVSRD27EB	146A
TVSRD27EB4	5033A
TVSRD27EB4TN	5033A
TVSRD27EB4Z	5033A
TVSRD27EB414	5033A
TVSRD27EBS	5033A
TVS-RD29AN	147A
TVSRD36EB3	5037A
TVSRD36EB3V	5037A
TVSRD36EB3Z	5037A
TVSRD47EB2	5088A
TVS-RD(M)(P)D	142A
TVSRF1	552
TVSRF1A	552
TVSRG2	580
TVSRG4	580
TVSRG4J5	580
TVSRGP10J	552
TVSRH1	552
TVSRH-1	552
TVSRH1M	552
TVSRH1S	552
TVSRH1SV	552
TVSRH2F	558
TVSRH2FM	558
TVSRHIS	552
TVSRM1	116
TVSRM1Z	116
TVSRM-1Z	116
TVSRM-1ZM	116
TVSRM1ZM	116
TVSRM1ZMV	552
TVSRM2C	125
TVSRM10B	125
TVSRM10M	125
TVSRM10MV	125
TVSRM11B	125
TVSRM25	148A
TVSRM26	5089A
TVSRM26V	5089A
TVSRMP	116
TVSRMP5020	116
TVSRU2	125
TVSRU-2	552
TVSRU2AM	552
TVSRU2AN	552
TVSRU2M	552
TVSRU3AM	580
TVSRU3AN	580
TVSRU3N	580
TVS-S1B02-03C	116
TVS-S1B02-03CR	116
TVSS1D30-15	506
TVSS1P20	116
TVSS1R8D	116
TVSS1R20	552
TVSS1R80	552
TVSS1WB10	5332
TVSS1WBS10	5332
TVSS2VC60ZR	116
TVSS3-2	116
TVSS3G4	125
TVSS4C	116
TVSS4LS374N	74LS374
TVS-S8-2C	125
TVSS15	506
TVSS-34	506
TVSS34	506
TVSS34RECT	116
TVS-S82	112
TVSS6321FLC6	5424
TVSS6394GLC6	5424#
TVSSA-2B	125
TVSSA2B	116
TVSSA-2H	5809
TVSSA2H	156
TVSSA71B	102
TVSSB-2	506
TVS-SB-2C	506
TVSSB2C	506
TVSSB2-C	506
TVSSB-2T	5809
TVS-SB-20	125
TVSSD1A	116
TVS-SD1A	116
TVS-SD-1B	125
TVS-SD1B	125
TVS-SD-1B(Boost)	506
TVSSD-1Y	116
TVS-SD82	112
TVSSD82A	112
TVS-SD82A	112
TVSSF-1	125
TVS-SF-1	506
TVSSID30-15	125
TVSSIR20	177
TVSSIR80	552
TVSSJE5472-1	157
TVSSM1-02	116
TVSSN74LS09N	74LS09
TVSSN7403N	7403
TVSSN7409N	7409
TVSSN7666N	712
TVS-SN76642N	709
TVSSN76642N	709
TVSSN76664N	712
TVSSN76665	712
TVS-SN76665N	712
TVSSN76666N	712
TVSSR2K	552
TVSSTR380	1548§
TVSSTR381	1546
TVSSTR381A	1546
TVSSTR385	1553§
TVSSTR729	1646§
TVSSTR3130	1742
TVSSTR3230	1742◆
TVSSTR30130	1777
TVSSUF2	116
TVSSV02	116
TVSSV03	606
TVSSV04	177(4)
TVS-TC009M11/10	116
TVS-TC009M21/3	114
TVSTC4052BP	4052B
TVSTC4053BP	4053B
TVSTC4066BP	4066B
TVSTC4069UBP	4069
TVSTD15M	551§
TVSTDA110Z	1231
TVSTDA1190Z	1231
TVSTFH340M	5424#
TVSTFS340M	5424#
TVSTFS340MX	5424#
TVSTFS340MY	5424#
TVS-TIS18	108
TVSTMS1943A2	2060
TVSTMS1943N2	2060
TVSUC78M12H2	966
TVSUDD4011BC	4011B
TVSUF2	506
TVSUF-2B	558
TVSUFSD-1	506
TVS-UFSD-1	116
TVSUFSD1	506
TVSUFSD1F	116
TVS-UPC23C	1046
TVSUPC23C	1046
TVSUPC78M12H2	966
TVSUPC339C	834
TVSUPC574J	615A
TVSUPC595C	1186
TVSUPC596C2	1187
TVSUPC1380C	1196
TVSUPD4013BC	4013B
TVSUPD4017BC	4017B
TVSUPD4027BC	4027B
TVSUPD4052BC	4052B
TVSUPD4053BC	4053B
TVSUPD4066BC	4066B
TVSUZ18BS	5027A
TVSUZ188BS	5077A
TVSVD1221L	605A
TVSVPC23C	1046
TVSVPC1380C	1196
TVSW04	166
TVSW04M	166
TVSWF2	116
TVSWZ061	5013A
TVSWZ270	146A
TVSYZ165F	5014A
TVSYZ-080	5072A
TVSYZ080	5072A
TVSZB1-6	5070A
TVS-ZB1-11	141A
TVSZB1-11	5074A
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TW40	116
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TW100	125
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TX75	318
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U6A7400059X	7400
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U6A915759X	9157
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U6A993759X	9937
U6A994159X	9941
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U6A994559X	9945
U6A994659X	9946

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U6A995059X	9950
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U6A7710393	910D
U6A7711393	911D§
U6A7720354	744
U6A7720395	744
U6A7723393	923D
U6A7729394	720
U6A7730393	725
U6A7732394	718
U6A7739312	725
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U6BN08659X	7486
U6BN09459X	7494
U6BN15359X	74153
U6BN15559X	74155
U6BN15659X	74156
U6BN17559X	74175
U6BS11259X	74S112
U6BS13359X	74S133
U6BS13459X	74S134
U6BS15359X	74S153
U6BS15759X	74S157
U6BS15859X	74S158
U6BS17559X	74S175
U6BS19459X	74S194
U6E7729394	720
U6E7739393	725
U6M931459X	8314
U6NA01159X	74154
U6NA04159X	74181
U6NN15059X	74150
U6NN19859X	74198
U6NN19959X	74199
U7AH08759X	74H87
U7AN15259X	74152
U7AN16459X	74164
U7AN17859X	74178§
U7B936659X	74193
U7B7758354	743
U7BA04559X	7445
U7BN04859X	7448
U7BN09659X	7496
U7BN046591	7446
U7BN12359X	74123
U7BN14159X	74141
U7BN14559X	74145
U7BN15159X	74151
U7BN16559X	74165
U7BN16659X	74166
U7BN17059X	74170
U7BN17459X	74174
U7BN17959X	74179
U7BN19059X	74190
U7BN19159X	74191
U7BN19259X	74192
U7BN19359X	74193
U7F7065354	712
U7F7065394	712
U7F7729394	720
U7F7732394	718
U7F7746394	790
U7F7767394	722
U7F7780394	714
U7F7781394	715
U7F77463394	790
U7F77803394	714
U8A99238X	OBS-NLA
U8A990028	9900
U8A991428	9914
U8A992328	OBS-NLA
U8B770339X	703
U8B7703394	703
U8B7737394	705A
U8F7737394	705A
U8F7746394	705A
U9A9N0459X	7404
U9A9N0759X	7407
U9A9N8659X	7486
U9A74259X	9798
U9A180059X	9800
U9A180159X	9801
U9A180259X	9802
U9A180359X	9803
U9A180459X	9804
U9A180559X	9805
U9A180659X	9806
U9A180759X	9807
U9A180859X	9808
U9A180959X	9809
U9A181059X	9810
U9A181159X	9811
U9A181259X	9812
U9A181359X	9813
U9A181459X	9814
U9A741059X	7410
U9A749359X	7493A
U9A909359X	9093
U9A909459X	9094
U9A909759X	9097
U9A909959X	9099
U9A913559X	9135
U9A915759X	9157
U9A915859X	9158
U9A938259X	7482
U9A993059X	9930
U9A993159X	9931
U9A993259X	9932
U9A993359X	9933
U9A993559X	9935
U9A993659X	9936
U9A993759X	9937
U9A994159X	9941
U9A994459X	9944
U9A994559X	9945
U9A994659X	9946
U9A994859X	9948
U9A994959X	9949
U9A995059X	9950
U9A995159X	9951
U9A996159X	9961
U9A996259X	9962
U9A996359X	9963
U9A7064354	783§
U9A7075394	723
U9A7136354	737§
U9A7410759X	74107
U9A7709393	909D
U9A7711393	911D§
U9A7720354	744
U9A7720395	744
U9A7723393	923D
U9A7729394	720
U9A7741393	941D
U9A7746394	790
U9A7767394	722
U9A7781394	715
U9AC00159X	4001B
U9AC00259X	4002B
U9AC01159X	4011B
U9AC01259X	4012B
U9AC01359X	4013B
U9AC02359X	4023B
U9AC02559X	4025B
U9AC02759X	4027B
U9AC03059X	4030B
U9AC04959X	4049
U9AC05059X	4050B
U9AH00059X	74H00
U9AH00159X	74H01
U9AH00459X	74H04
U9AH00559X	74H05
U9AH00859X	74H08
U9AH01059X	74H10
U9AH01159X	74H11
U9AH02059X	74H20
U9AH02159X	74H21
U9AH02259X	74H22
U9AH03059X	74H30
U9AH04059X	74H40
U9AH05059X	74H50
U9AH05159X	74H51
U9AH05259X	74H52
U9AH05359X	74H53
U9AH05459X	74H54
U9AH05559X	74H55
U9AH06059X	74H60
U9AH06159X	74H61
U9AH06259X	74H62
U9AH07159X	74H71
U9AH07259X	74H72
U9AH07359X	74H73
U9AH07459X	74H74
U9AH07659X	74H76
U9AH08759X	74H87
U9AH10159X	74H101
U9AH10259X	74H102
U9AH10359X	74H103
U9AH18359X	74H183
U9AN00059X	7400
U9AN00159X	7401
U9AN00259X	7402
U9AN00359X	7403
U9AN00459X	7404
U9AN00559X	7405
U9AN00659X	7406
U9AN00759X	7407
U9AN00859X	7408
U9AN00959X	7409
U9AN01059X	7410
U9AN01159X	7411
U9AN01259X	7412
U9AN01359X	7413
U9AN01459X	7414
U9AN01659X	7416
U9AN01759X	7417
U9AN02059X	7420
U9AN02159X	7421
U9AN02559X	7425
U9AN02659X	7426
U9AN02759X	7427
U9AN03059X	7430
U9AN03259X	7432
U9AN03759X	7437
U9AN03859X	7438
U9AN03959X	7439
U9AN04059X	7440
U9AN05059X	7450
U9AN05159X	7451
U9AN05359X	7453
U9AN05459X	7454
U9AN06059X	7460
U9AN07059X	7470
U9AN07259X	7472
U9AN07359X	7473
U9AN07459X	7474
U9AN08059X	7480
U9AN08259X	7482
U9AN08659X	7486
U9AN09059X	7490
U9AN09159X	7491
U9AN09359X	7493A
U9AN09559X	7495
U9AN10759X	74107
U9AN12259X	74122
U9AN13259X	74132
U9AN15259X	74152
U9AN16459X	74164
U9AN17659X	74176
U9AN17759X	74177
U9AN17859X	74178§
U9AN18059X	74180
U9AN19659X	74196
U9AN19759X	74197
U9AN993259X	9932
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U9AS00359X	74S03
U9AS00459X	74S04
U9AS00559X	74S05
U9AS01059X	74S10
U9AS01159X	74S11
U9AS01559X	74S15
U9AS02059X	74S20
U9AS02259X	74S22
U9AS04059X	74S40
U9AS06459X	74S64
U9AS06559X	74S65
U9AS07459X	74S74
U9AS11359X	74S113
U9AS11459X	74S114
U9AS14059X	74S140
U9B744259X	7442
U9B7780394	714
U9B7787354	797
U9BA01559X	7441
U9BA04259X	74182
U9BA04559X	7445
U9BC01959X	4019B
U9BC02859X	4028B
U9BC51259X	4512B
U9BH10659X	74H106
U9BN02359X	7423
U9BN04259X	7442
U9BN04359X	7443
U9BN04459X	7444
U9BN04859X	7448
U9BN07559X	7475
U9BN07659X	7476§
U9BN08359X	7483
U9BN08559X	7485
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U9BN09659X	7496
U9BN046591	7446
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U9BN16659X	74166
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U9BN19159X	74191
U9BN19259X	74192
U9BN19359X	74193
U9BS11259X	74S112
U9BS13359X	74S133
U9BS13459X	74S134
U9BS15359X	74S153
U9BS15759X	74S157
U9BS15859X	74S158
U9BS17559X	74S175
U9BS19459X	74S194
U9C7065354	712
U9D7067354	729
U9D7758354	743
U9J7706354	OBS-NLA
U9NA01159X	74154
U9NA04159X	74181
U9NN15059X	74150
U9NN19859X	74198
U9NN19959X	74199
U9T7101392	975
U9T7741392	976
U9T7753354	736
U10	191
U15C	5804
U19B	580
U19C	580
U19E	580
U19E-F	580
U51	189
U119	125
U120	125
U149(SGD)	326◆
U168(SGD)	326◆
U181A	5710
U181B	5710
U181C	5710
U181D	5710
U181E	5710
U181F	5710
U182A	5711
U182B	5711
U182C	5711
U182D	5711
U182E	5711
U182F	5711
U183	459
U183A	5712
U183B	5712
U183C	5712
U183D	5712
U183E	5712
U183F	5712
U184A	6220
U184B	6220
U184C	6220
U184D	6220
U184E	6220
U184F	6220
U197	312
U199	466
U201	466
U212	116
U212-25	116
U213	116
U214	116
U222	466
U235	312
U251A	5710
U251B	5710
U251C	5710
U251D	5710
U251E	5710
U251F	5710
U252A	5711
U252B	5711
U252C	5711
U252D	5711
U252E	5711
U252F	5711
U253A	5712
U253B	5712
U253C	5712
U253D	5712
U253E	5712
U253F	5712
U254A	6220
U254B	6220
U254C	6220
U254D	6220
U254E	6220
U254F	6220
U311	452
U312	452
U361	125
U401A	5710
U401B	5710
U401C	5710
U401D	5710
U401E	5710
U401F	5710
U402A	5711
U402B	5711
U402C	5711
U402D	5711
U402E	5711
U402F	5711
U403A	5712
U403B	5712
U403C	5712
U403D	5712
U403E	5712
U403F	5712
U404A	6220
U404B	6220
U404C	6220
U404D	6220
U404E	6220
U404F	6220
U410	461
U411	461
U412	461
U417B	1624
U460A	107
U460B	107
U525	504
U535	229
U535/7825B(Transistor)	229
U535/7825B(Zener)	5070A
U535A	229
U535B	229
U535B/7825B	229
U535C	107
U535M	107
U551A	5710
U551B	5710
U551C	5710
U551D	5710
U551E	5710
U551F	5710
U552A	5710
U552B	5711
U552C	5711
U552D	5711
U552E	5711
U552F	5711
U553A	5712
U553B	5712
U553C	5712
U553D	5712
U553E	5712
U553F	5712
U554A	6220
U554B	6220
U554C	6220
U554D	6220
U554E	6220
U554F	6220
U574	615A
U574J	615A
U574K	615A
U633	116
U-633	116
U737	705A
U901A	5720
U901B	5720
U901C	5720
U901D	5720
U901E	5720
U901F	5720
U902A	5721
U902B	5721
U902C	5721
U902D	5721
U902F	5721
U903A	5722
U903B	5722
U903C	5722
U903D	5722
U903E	5722
U903F	5722
U904A	6230
U904B	6230
U904C	6230
U904D	6230
U904E	6230
U904F	6230
U1177	312
U1178	312
U1180	456
U1181	312
U1277	312
U1278	312
U1279	312
U1280	312
U1281	459
U1282	459
U1283	459
U1285	312
U1286	312
U1322	456
U1323	312
U1324	312
U1325	312
U1420	312
U1421	312
U1422	312
U1585E	123A
U1585F	123A
U1585G	123A
U1585H	123A
U1650E	312
U1714	312
U1715	312
U1835E	312
U1837E	312
U1897E	467
U1897E(SDG)	466
U1898E(SDG)	466
U1899E(SDG)	466
U1916	312
U1994E	312
U2047E	312
U-2400-03	116
U2400-03	116
U2848-1	123A
U3012	312
U-45054-1	941
U2091858-11	121
U13033801	116
UA0802BPC	2056
uA0802BPC	2056
uA0802CPC	2056
UA0802CPC	2056
uA8T26	6880
UA8T26	6880
UA8T26D	6880
uA8T26D	6880
uA8T26DC	6880
UA8T26DC	6880
UA8T26P	6880
uA8T26P	6880
uA8T26PC	6880
UA8T26PC	6880
UA8T28	6889
uA8T28	6889
UA8T28D	6889
uA8T28D	6889
UA8T28DC	6889
uA8T28DC	6889
UA8T28P	6889
UA8T28PC	6889
uA8T28PC	6889
UA67	722
uA78CBCK	934
uA78GCAK	1926§
uA78GKC	1926§
UA78GU1C	953
UA78H05C	932
UA78H05KC	932
UA78H05SC	932
UA78H12C	933
UA78H12CK	933
UA78H12SC	933
UA78L	981
UA78L05	977
UA78L05AC	977
UA78L05ACLP	977
uA78L05ACLP	977
UA78L05AWC	977
UA78L05C	977
UA78L05CLP	977
UA78L05S	977
UA78L05WC	977
uA78L06A	988
UA78L06ACLP	988
UA78L06AS	988
UA78L06CLP	988
UA78L06S	988
uA78L06.2ACLP	988
UA78L06.2ACLP	988
UA78L08	981
UA78L08AC	981
UA78L08ACLP	981
uA78L08ACLP	981
UA78L08AWC	981
UA78L08C	981
UA78L08CLP	981
UA78L08S	981
UA78L08WC	981
uA78L09ABW	1902
UA78L09ACLP	1902
uA78L09ACLP	1902
uA78L09ALP	1902
uA78L09AWC	1902
uA78L09LP	1902
UA78L062WV	988
UA78L6.2AHC	988
UA78L-8.2AWC	981
uA78L12AC	950
UA78L12ACLP	950
uA78L12ACLP	950
uA78L12ACW	950
uA78L12CLP	950
UA78L12CLP	950
uA78L15AC	951
uA78L15ACLP	951
UA78L15ACLP	951
uA78L15ACW	951
uA78L15CLP	951
UA78L15CLP	951
UA78L24AWC	1908
UA78L62AHC	988
UA78L62AWC	988
UA78L82	981
UA78L82AWC	981
UA78LAWC	981
UA78M05CKC	960
UA78M05UC	960
UA78M06CKC	962
UA78M06UC	962
UA78M08CKC	964
UA78M08CKD	964
UA78M08UC	964
UA78M10C	1932
UA78M12CKC	966
UA78M12CKD	966
UA78M12UC	966
UA78M15CKC	968
UA78M15CKD	968
UA78M15UC	968
UA78M24CKC	972
UA78M24CKD	972
UA78M24UC	972
UA78MGU1C	953
uA79GCAK	1927
uA79GKC	1927
UA79GU1C	954§
UA79M05AUC	961
UA79M05C	961
UA79M05CKC	961
UA79M06AUC	963
UA79M06CKC	963
UA79M12AUC	967
UA79M12CKC	967
UA79M12CKD	967
UA79M15AUC	969
UA79M15CKC	969
UA79M15CKD	969
UA79M24AUC	971
UA79M24CKC	971
UA79M24CKD	971
UA79M24UC	971
UA79MGU1C	954§
uA201AH	1171
uA201H	1171
UA201HC	1171
UA209KM	309K
UA224DM	987
uA301AH	1171
uA301AHC	1171
uA301AT	975
uA301ATC	975
uA307T	976
uA307TC	976
uA308AHC	938
UA308AHC	938
UA308HC	938
uA308HC	938
uA308TC	938M
UA308TC	938M
UA309KC	309K
uA310HC	924
UA311HC	922
uA311HC	922
UA311TC	922M
uA311TC	922M
UA317UC	956
uA318HC	918
UA324DC	987
UA324PC	987
UA339ADC	834
UA348DC	948
uA348DC	948
uA393	943M
UA431AWC	999
UA431C	999
UA494PC	1729
UA555	955M
uA555TC	955M
uA556PC	978
UA703	703
UA703C	703
UA703E	703
uA703HC	703
UA705	804
UA706	OBS-NLA
UA706APC	OBS-NLA
UA706BPC	OBS-NLA
uA709A	909D
UA709C(D.I.P.)	909D
UA709C(Metal Can)	909
UA709CA	909D
UA709CJ	909D
UA709CL	909
UA709CN	909D
UA709CT	909
uA709DC	909D
uA709HC	909
UA709HM	909
uA709PC	909D
uA709T	909
uA710A	910D
UA710C(D.I.P.)	910D
UA710C(Metal Can)	910
UA710CA	910D
UA710CJ	910D
UA710CL	910
UA710CN	910D
UA710CT	910
uA710DC	910D
uA710HC	910
uA710PC	910D
uA710T	910
uA711A	911
UA711C(D.I.P.)	911D§
UA711C(Metal Can)	911
UA711CA	911D§
UA711CJ	911D§
UA711CK	911
UA711CL	911
UA711CN	911D§
UA711CT	911
uA711DC	911D§
uA711HC	911
uA711K	911
uA711PC	911D§
UA715(Metal Can)	915
UA715HC	915
UA716	716§
UA720	744
uA720Dc	744
uA720Pc	744
UA723C(D.I.P.)	923D
UA723C(Metal Can)	923
UA723CA	923D
UA723CJ	923D
UA723CL	923
UA723CN	923D
UA723DC	923D
UA723HC	923
uA723HM	923
UA723PC	923D
UA725(Metal Can)	925
UA729	720
UA732	718
uA732PC	718
uA733CF	927D
uA733CH	927
uA733CJ	927D
uA733CN	927D
uA733DC	927D
uA733HC	927
uA733PC	927D
UA737E	705A
UA739	725
UA739C	725
UA739PC	725
UA740(Metal Can)	940§
UA740CT	940§
UA740HC	940§
UA741	941M

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
UA741C	941M
UA741C(D.I.P.)	941D
UA741C(Metal Can)	941
UA741C(Minidip)	941M
UA741CA	941D
UA741CD	941SM
UA741CJ	941D
UA741CJG	941M
UA741CN	941D
UA741CP	941M
UA741CP-00	941M
UA741CT	941
UA741CV	941M
UA741HC	941
UA741TC	941M
UA742	979§
UA742PC	979§
UA746	707
UA746(D.I.P.)	790
UA746(Metal Can)	707
UA746C	790
UA746E	705A
UA746PC	790
UA747(Metal Can)	947
UA747CA	947D
UA747CF	947D
UA747CJ	947D
ua747CK	947
UA747CL	947
UA747CN	947D
UA747DC	947D
uA747K	947
UA747PC	947D
UA748CD	975SM
UA748CJG	975
UA748CP	975
UA748HC	1171
UA748TC	975
UA748V	975
UA749C(Metal Can)	949
UA753	736
uA753	736
UA758	743
UA758BA	743
uA758PC	743
UA764PC	790
UA-767	722
UA767	722
UA767P	722
UA767PC	722
UA771	857M
UA771A	857M
UA771ARC	857M
UA771ATC	857M
UA771B	857M
UA771BRC	857M
UA771BTC	857M
UA771L	857M
UA771LRC	857M
UA771LTC	857M
UA771RC	857M
UA771TC	857M
UA772	858M
UA772A	858M
UA772ARC	858M
UA772ATC	858M
UA772B	858M
UA772BRC	858M
UA772BTC	858M
UA772RC	858M
UA772TC	858M
UA774	859
UA774L	859
UA774LDC	859
UA774LPC	859
UA776C	888M
UA776CDP	888M
UA776TC	888M
UA780	714
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UPD411D-1	2107
UPD411D-2	2107
uPD414	2104
UPD414	2104

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
uPD414-1	2104
UPD414-1	2104
UPD414-2	2104
uPD414-2	2104
UPD414C	2104
uPD414C	2104
UPD414C-1	2104
uPD414C-1	2104
UPD414C-2	2104
uPD414C-2	2104
UPD414E	2104
uPD414E	2104
uPD414EC	2104
UPD414EC	2104
uPD414P	2104
UPD414P	2104
UPD414P-1	2104
uPD414P-1	2104
UPD414P-2	2104
uPD414P-2	2104
uPD414PE	2104
UPD414PE	2104
uPD416	2117
UPD416	2117
UPD416-1	2117
uPD416-1	2117
UPD416-2	2117
uPD416-2	2117
uPD416C	2117
UPD416C	2117
UPD416C-1	2117
uPD416C-1	2117
UPD416C-2	2117
uPD416C-2	2117
UPD416D	2117
uPD416D	2117
uPD416D-1	2117
UPD416D-1	2117
UPD416D-2	2117
uPD416D-2	2117
UPD681C	1254
uPD780C	3880
uPD780C-1	3880
uPD780D	3880
uPD780D-1	3880
UPD857C	1199
UPD858	1198
UPD858C	1198
UPD861	1254
UPD861C	1254
UPD861CE	1254
UPD861E	1254
UPD1937C	1759◆
UPD1986C	1758
UPD1986JC	1758
UPD1987C	1759
UPD1987JE	1759
uPD2102A	2102
UPD2102A	2102
UPD2102A-4	2102
uPD2102A-4	2102
UPD2102AP	2102
uPD2102AP	2102
uPD2102AP-4	2102
UPD2102AP-4	2102
uPD2114	2114
UPD2114	2114
uPD2114-3	2114
UPD2114C	2114
uPD2114C	2114
uPD2114C-3	2114
UPD2114L	2114
UPD2114L-1	2114
UPD2114LC	2114
UPD2114LC-1	2114
uPD2114P	2114
UPD2114P	2114
UPD2147	2147
uPD2147	2147
UPD2147-2	2147
uPD2147-2	2147
uPD2147-3	2147
UPD2147-3	2147
UPD2147C	2147
uPD2147C	2147
uPD2147C-2	2147
UPD2147C-2	2147
uPD2147C-3	2147
UPD2147C-3	2147
uPD2147D	2147
UPD2147D	2147
UPD2147D-2	2147
uPD2147D-2	2147
uPD2147D-3	2147
UPD2147D-3	2147
uPD2716	2716
UPD2716D	2716
UPD2732	2732
UPD2732A	2732
UPD2732A-4	2732
UPD2732AD	2732
UPD2732AD-4	2732
UPD2732D	2732
UPD2732D-4	2732
UPD2764	2764
UPD2764D	2764
UPD2814C	1253
uPD2814C	1253
UPD2815	1526
UPD2815C	1526
UPD2815JC	1526
UPD2816	1528§
UPD2816C	1528§
UPD2816JC	1528§
UPD4001	4001B
UPD4001BC	4001B
UPD4001BE	4001B
UPD4001C	4001B
UPD4002	4002B
UPD4002BC	4002B
UPD4002C	4002B
UPD4006	4006B
UPD4011	4011B
UPD4011B	4011B
UPD4011BC	4011B
UPD4011BCM	4011B
UPD4011BP	4011B
UPD4011C	4011B
UPD4012	4012B
UPD4012BC	4012B
UPD4012C	4012B
UPD4013	4013B
UPD4013B	4013B
UPD4013BC	4013B
UPD4013C	4013B
UPD4014	4014B
UPD4014C	4014B
UPD4015	4015B
UPD4015BC	4015B
UPD4015C	4015B
UPD4016	2128
UPD4016-2	2128
UPD4016-3	2128
UPD4016C	2128
UPD4016C-2	2128
UPD4016C-3	2128
UPD4016D-1	2128
UPD4016D-2	2128
UPD4016D-3	2128
UPD4017	4017B
UPD4017BC	4017B
UPD4017C	4017B
UPD4019	4019B
UPD4019B	4019B
UPD4019BC	4019B
UPD4019C	4019B
UPD4020	4020B
UPD4020C	4020B
UPD4021	4021B
UPD4021C	4021B
UPD4023	4023B
UPD4023BC	4023B
UPD4023C	4023B
UPD4024	4024B
UPD4024B	4024B
UPD4024BC	4024B
UPD4024C	4024B
UPD4025	4025B
UPD4025C	4025B
UPD4027	4027B
UPD4027BC	4027B
UPD4027C	4027B
UPD4028	4028B
UPD4028BC	4028B
UPD4028C	4028B
UPD4029	4029B
UPD4029C	4029B
UPD4030	4030B
UPD4030BC	4030B
UPD4030C	4030B
UPD4035	4035B
UPD4035C	4035B
UPD4040	4040B
UPD4040BC	4040B
UPD4040C	4040B
UPD4042	4042B
UPD4042C	4042B
UPD4043	4043B
UPD4044	4044B
UPD4049	4049
UPD4049C	4049
UPD4049UBC	4049
UPD4050	4050B
UPD4050C	4050B
UPD4051	4051B
UPD4051B	4051B
UPD4051BC	4051B
UPD4051C	4051B
UPD4052	4052B
UPD4052BC	4052B
UPD4052C	4052B
UPD4053	4053B
UPD4053B	4053B
UPD4053BC	4053B
UPD4053BG	4053B
UPD4053BP	4053B
UPD4063	4063B
UPD4066	4066B
UPD4066B	4066B
UPD4066B-1	4066B
UPD4066BC	4066B
uPD4066BC	4066B
UPD4066BG	4066B
UPD4066C	4066B
UPD4068	4068B
UPD4068B	4068B
UPD4068BC	4068B
UPD4068C	4068B
UPD4069	4069
UPD4069B	4069
UPD4069C	4069
UPD4069UB	4069
UPD4069UBC	4069
UPD4071	4071B
UPD4071BC	4071B
UPD4071C	4071B
UPD4073	4073B
UPD4075	4075B
UPD4078	4078B
UPD4078B	4078B
UPD4078BC	4078B
UPD4078C	4078B
UPD4081	4081B
UPD4081BC	4081B
UPD4081C	4081B
UPD4093BC	4093B
UPD4099	4099B
UPD4099B	4099B
UPD4099BC	4099B
UPD4099C	4099B
UPD4160BC	40160B
UPD4164	2164
UPD4164-1	2164
UPD4164-2	2164
UPD4164-3	2164
UPD4164C	2164
UPD4164C-1	2164
UPD4164C-2	2164
UPD4164C-3	2164
UPD4503BC	40097B
UPD4510	4510B
UPD4511	4511B
UPD4511C	4511B
UPD4512	4512B
UPD4512C	4512B
UPD4514	4514B
UPD4514BC	4514B
UPD4514C	4514B
UPD4515	4515B
UPD4515C	4515B
UPD4516	4516B
UPD4518	4518B
UPD4518C	4518B
UPD4520	4520B
UPD4520C	4520B
UPD4522	4522B
UPD4522B	4522B
UPD4522BC	4522B
UPD4522C	4522B
UPD4528BC	4528B
UPD4528C	4528B
UPD4538	4528B
UPD4538BC	4538B
UPD4538BC-B7	4538B
UPD4539	4539B
UPD4539B	4539B
UPD4539BC	4539B
UPD4539C	4539B
UPD4555	4555B
UPD4555C	4555B
UPD4556	4556B
UPD4556C	4556B
UPD4584BC	40106B
UPD5101	65101
uPD5101	65101
uPD5101-1	65101
UPD5101-1	65101
UPD5101-6	65101
uPD5101-6	65101
UPD5101C	65101
uPD5101C	65101
uPD5101C-1	65101
UPD5101C-1	65101
UPD5101C-6	65101
uPD5101C-6	65101
uPD5101P	65101
uPD5101P-1	65101
UPD5101P-1	65101
uPD5101P-6	65101
UPD5101P-6	65101
UPD5105P	65101
UPD5880	1198
uPD6508	6508
UPD6508	6508
uPD6508-1	6508
UPD6508-1	6508
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uPD6508C	6508
UPD6508C-1	6508
uPD6508C-1	6508
UPD6508D	6508
uPD6508D	6508
UPD6508D-1	6508
uPD6508D-1	6508
UPD8080A	8080A
uPD8080A	8080A
UPD8080A-E	8080A
uPD8080A-E	8080A
uPD8080A-EC	8080A
UPD8080A-EC	8080A
UPD8080AF	8080A
uPD8080AF	8080A
uPD8080AFC	8080A
UPD8080AFC	8080A
UPD8214CN	8214§
UPD8255AC	8255
UPD8255AC-5	8255
UPD40528	4052B
UPD41256C-10	4256
UPD41256C-12	4256
UPD41256C-15	4256
UPD41256C-20	4256
UPD41256D-10	4256
UPD41256D-12	4256
UPD41256D-15	4256
UPD41256D-20	4256
UPI706	123A
UPI706A	123A
UPI706B	123A
UPI718A	123A
UPI956	128
UPI1303	102
UPI1305	102
UPI1307	102
UPI1309	102
UPI1345	100
UPI1347	100
UPI1352	102A
UPI1353	102A
UPI1613	128
UPI1711	128
UPI2217	128
UPI2218	128
UPI2222	123A
UPI2222B	123A
UPI2222P	123AP
UPI4046	123A
UPI4046-46	123A
UPI4047	123A
UPI4047-46	123A
UPQ918	2321◆
UPQ2369	2321◆
UPQ3798	2322
UPQ3799	2322◆
UPQ3904	2321
UPQ3906	2322
UPQ7041	2323
UPQ7042	2323
UPQ7043	2323◆
UPT011	154
UPT012	154
UPT013	154
UPT014	396
UPT015	396
UPT111	128
UPT112	128
UPT113	128
UPT114	396
UPT115	396
UPT211	2347
UPT212	2347
UPT213	2347
UPT214	2347
UPT215	282§
UPT410	284
UPT411	283
UPT413	283
UPT423	283
UPT430	283
UPT431	283
UPT531	327
UPT611	2347
UPT612	2347
UPT613	2347
UPT614	2347
UPT615	282§
UPT731	385
UPT732	385
UPT733	385
UPT734	385
UPT735	385
UPT833	385
UPT834	385
UPT835	385
UPT931	327
UPT1131	328
UPT1132	328
UPT1133	328
UPT1134	328
UPT1135	328
UR123AA	5870
UR123BA	5874
UR123CA	5874
UR123DA	5874
UR123EA	5878
UR123FA	5878
UR123HA	5878
UR123KA	5878
UR123MA	5882
UR123PA	5886
UR123RA	5886
UR123VA	5890
URB24-04C	552
URB2545CT	6087
US10/1	502
US15-1	503
US15/1	502
US15/1b	502
US15/1B	502
US15/1S	502
US15/3	505
US15/16	503
US20/1A	502
US20/1b	502
US20/1B	502
US20-1B	505
US20/1BS	503
US20/16	504
US25/1	504
US25/1AS	503
US25-1AS	503
US25/1CS	504
US74H00A	74H00
US74H00J	74H00
US74H01A	74H01
US74H01J	74H01
US74H04A	74H04
US74H04J	74H04
US74H05A	74H05
US74H05J	74H05
US74H08A	74H08
US74H08J	74H08
US74H10A	74H10
US74H10J	74H10
US74H11A	74H11
US74H11J	74H11
US74H20A	74H20
US74H20J	74H20
US74H21A	74H21
US74H21J	74H21
US74H22A	74H22
US74H22J	74H22
US74H30A	74H30
US74H30J	74H30
US74H40A	74H40
US74H40J	74H40
US74H50A	74H50
US74H50J	74H50
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US74H55J	74H55
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US74H60J	74H60
US74H61A	74H61
US74H61J	74H61
US74H62A	74H62
US74H62J	74H62
US74H71A	74H71
US74H71J	74H71
US74H72A	74H72
US74H72J	74H72
US74H73A	74H73
US74H73J	74H73
US74H74A	74H74
US74H74J	74H74
US74H76A	74H76
US74H78A	74H78
US74H78J	74H78
US123EA	5878
US123GA	5878
US123PA	5886
US123RA	5886
US123VA	5890
US-1020	519
US1035	519
US-1040	519
US-1060	519
US-1090	519
US1511b	502
US1555	177
US7400A	7400
US7400J	7400
US7401A	7401
US7401J	7401
US7402A	7402
US7402J	7402
US7403A	7403
US7403J	7403
US7404A	7404
US7404J	7404
US7405A	7405
US7405J	7405
US7408A	7408
US7408J	7408
US7409A	7409
US7409J	7409
US7410A	7410
US7410J	7410
US7411A	7411
US7411J	7411
US7420A	7420
US7420J	7420
US7426A	7426
US7427A	7427
US7430A	7430
US7430J	7430
US7432A	7432
US7432J	7432
US7438A	7438
US7438J	7438
US7440A	7440
US7440J	7440
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US7442A	7442
US7443A	7443
US7444A	7444
US7445A	7445
US7446A	7446
US7447A	7447
US7448A	7448
US7450A	7450
US7450J	7450
US7451A	7451
US7451J	7451
US7453A	7453
US7453J	7453
US7454A	7454
US7454J	7454
US7460A	7460
US7460J	7460
US7470A	7470
US7470J	7470
US7472A	7472
US7472J	7472
US7473A	7473
US7473J	7473
US7474A	7474
US7474J	7474
US7475A	7475
US7475J	7475
US7476A	7476§
US7480A	7480
US7482A	7482
US7483A	7483
US7486A	7486
US7486J	7486
US7490A	7490
US7490J	7490
US7492A	7492
US7492J	7492
US7493A	7493A
US7493J	7493A
US74107A	74107
US74121A	74121
US74121J	74121
US74145A	74145
US74153A	74153
US74154A	74154
US74180A	74180
US74180J	74180
USD620C	6085
USD635	6083
USD635C	6085
USD640	6083
USD640C	6085
USD645	6083
USD645C	6087
USD650C	6086
USD720C	6087
USD735	6083
USD735C	6087
USD740	6083
USD740C	6087
USD745	6083
USD745C	6087
USD750C	6086
USD3030C	6090#
USD3040C	6090#
USD3045C	6090#
USD7703394	703
USFD-1	116
USFD-1A	116
USR1171	5074A
USR1172	5074A
USR1173	5074A
USR1174	5074A
UT11	116
UT12	5802
UT13	5802
UT14	116
UT15	116
UT-16	116
UT16	116
UT17	116
UT18	116
UT21	116
UT22	116
UT23	116
UT24	116
UT25	116
UT26	116
UT27	116
UT28	116
UT29	116
UT31	116
UT32	116
UT111	116
UT-112	116
UT112	116
UT113	116
UT114	116
UT115	116
UT116	116
UT117	116
UT118	125
UT120	125
UT123AA	5940
UT211	5804
UT212	5804
UT213	5804
UT214	5806
UT215	5806
UT221	116
UT222	116
UT223	116
UT224	116
UT225	116
UT226	116
UT227	116
UT228	116
UT229	116
UT231	116
UT232	116
UT233	116
UT-234	116
UT234	5802
UT235	5804
UT236	5801
UT237	5806
UT238	5806
UT-238	116
UT242	5802
UT244	5804
UT245	5806
UT247	5806
UT249	5801
UT251	5801
UT252	5802
UT254	5804
UT255	5806
UT257	5806
UT258	5808
UT261	5801
UT262	5802
UT264	5804
UT265	5806
UT267	5806
UT268	5808
UT345	125
UT347	5809
UT361	5808
UT362	5808
UT363	5809
UT364	5809
UT2005	5800
UT2010	5801
UT2020	5802
UT2040	5804
UT2060	5806
UT2080	156
UT3005	5800
UT3010	5801
UT3020	5802
UT3040	5804
UT3060	5806
UT3080	5808
UTR01	552
UTR02	580
UTR10	552
UTR11	552
UTR12	580
UTR20	552
UTR21	552
UTR22	580
UTR30	552
UTR31	552
UTR32	580
UTR40	552
UTR41	552
UTR42	580
UTR50	552
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UTR52	580
UTR60	552
UTR61	552
UTR62	580
UTR2305	580
UTR2310	580
UTR2320	580
UTR2340	580
UTR2350	580
UTR2360	580
UTR3305	580
UTR3310	580
UTR3320	580
UTR3340	580
UTR3350	580
UTR3360	580
UTRA-7RM	121
UTX105	587
UTX110	587
UTX115	587
UTX120	587
UTZJ5.1	5010A
UTZJ5.1B	5010T1
UTZJ5.6	5011A
UTZJ5.6B	5011T1
UTZJ6.2	5013A
UTZJ6.2B	5013T1
UTZJ6.8	5014A
UTZJ8.2	5016A
UTZJ9.1	5018A
UTZJ10	5019A
UTZJ10B	5019T1
UTZJ11	5020A
UTZJ12	5021T1
UTZJ12B	5021T1
UTZJ18	5027A
UTZJ20	5029A
UTZJ22	5030A
UTZJ27	5033A
UTZJ30	5035A
UTZJ33	5036A
UTZJ36	5037A
UTZJ39	5038A
UUR1510	599
UUR1520	599
UUR1620CT	6240
UUR3020CT	6246
UZ-2.4	5000A
UZ-2.4A	5000A
UZ-2.4B	5000A
UZ-2.7	5002A
UZ-2.7A	5002A
UZ-2.7B	5002A
UZ-3.0	5004A
UZ-3.0A	5004A
UZ-3.0B	5004A
UZ3.3	5005A
UZ-3.3A	5005A
UZ-3.3B	5005A
UZ3.6	5006A
UZ-3.6A	5006A
UZ-3.6B	5006A
UZ-3.9	5007A
UZ-3.9A	5007A
UZ-3.9B	5007A
UZ-4.3	5008A
UZ-4.3A	5008A
UZ-4.3B	5008A
UZ-4.7	5009A
UZ-4.7A	5009A
UZ-4.7B	5009A
UZ4.7BCA	5009A
UZ5R6BM	5011A
UZ5.1	5010A
UZ-5.1A	5010A
UZ5.1B	5010A
UZ-5.6B	5011A
UZ-5.6BCC	5011A
UZ-5.6BM	5011A
UZ6R2BKTA	5013A
UZ6R8B	5071A
UZ6.2	5013A
UZ6.2B	5013A
UZ-6.2B	5013A
UZ-6.2BM	5013A
UZ-6.8B	5014A
UZ-6.8BM	5014A
UZ6.8V	5014A
UZ7.5	138A
UZ7.5B	5015A
UZ-7.5BM	5015A
UZ8.2B	5016A
UZ-8.2BM	5016A
UZ8.2V	5016A
UZ9.1	5018A
UZ9.1B	5018A
UZ-9.1B	5018A
UZ9.1BM	5018A
UZ9.1BX	139A
UZ9.1E	139A
UZ9.1F	139A
UZ-9.1F	139A
UZ-10B	5019A
UZ10BL	5019A
UZ-10BM	5019A
UZ11B	5020A
UZ11BL	5020A
UZ-11BM	5020A
UZ-12	5021A
UZ-12B	5021A
UZ-12BCB	5021A
UZ-12BM	5021A
UZ-13	5022A
UZ13B	5022A
UZ-13BM	5022A
UZ15	145A
UZ-15B	5024A
UZ-15BM	5024A
UZ-15C	145A
UZ-16B	5025A
UZ-16BM	5025A
UZ-18B	5027A
UZ-18BM	5027A
UZ18B-S	5077A
UZ-20B	5029A
UZ-20BM	5029A
UZ-22B	5030A
UZ-22BM	5030A
UZ-24B	5031A
UZ-24BM	5031A
UZ-27B	5033A
UZ-27BM	5033A
UZ-30B	5035A
UZ-30BM	5035A
UZ-82B	5072A
UZ91F	139A
UZ110	5156A
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UZ713	5128A
UZ714	5129A
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UZ716	5131A
UZ718	5133A
UZ720	5135A

◆, #, ●, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
UZ722	5136A
UZ724	5137A
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UZ732	5142A
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UZ760	5149A
UZ775	5152A
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UZ980	5153A
UZ990	5155A
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UZ4115	5161A
UZ4116	5162A
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UZ4120	5166A
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UZP-8.2B	5072A
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UZP-9.1B	139A
UZP-10B	140A
UZP-11B	5074A
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UZP-27B	146A
UZP-30B	5084A
UZP-33B	147A
V01G	125
V03	125
V0-3C	125
V03C	125
V03-C	125
V03E	125
V03-E	125
V03E(Hitachi)	506
V03E(Midland)	506
V03G	116
V03O	125
V05B	156
V05K11	1V010
V05K14	1V014
V05K17	1V017
V05K20	1V020
V05K25	1V025
V05K30	1V030
V05K35	1V035
V05K40	1V040
V05K50	1V050
V05K60	1V060
V05K75	1V075
V05K95	1V095
V05K130	1V130
V05K150	1V150
V05K175	1V175
V05K250	1V250
V05K275	1V275
V05K300	1V300
V0-6	116
V06	116
V06A	116
V0-6A	125
V-06B	116
V06B	125
V0-6B	116
V06BX4	116
V-06C	116
V06C	552
V06-C	116
V06C5	116
V0-6C-401	116
V06C(BOOST)	506
V06C(Damper)	506
V06C(Hitachi)	506
V06C(Lafayette)	138A
V06C(Power Rectifier)	116
V06CS	552
V06CS(FLYBACK)	552
V06CS/S	125
V06E	116
V06-E	125
V06-G	558
V06G	558
V06G(Flyback)	558
V06-J	506
V06J	506
V07K11	1V010
V07K14	1V014
V07K17	1V017
V07K20	1V020
V07K25	1V025
V07K30	1V030
V07K35	1V035
V07K40	1V040
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V07K60	1V060
V07K75	1V075
V07K95	1V095
V07K130	1V130
V07K150	1V150
V07K175	1V175
V07K250	1V250
V07K275	1V275
V07K300	1V300
V09	552
V09A	552
V09B	552
V0-9C	552
V09C	552
V09E	552
V09-E	552
V09-E(CENT.)	507
V09E-Z	552
V09G	558
V09G-F2	558
V09GTA	552
V01073311	290A
V03094550	85
V03292110	336
V03292130	336
V0C236-001	221
V0C236-00i	221
V-1	173BP6
V1SS133	519
V2K150	524V15
V5B7710393	910
V6/2R	126A
V6/2RC	102A
V6/2RJ	102A
V6/4R	126A
V6/4RC	102A
V6/4RJ	102A
V6/8R	126A
V6/8RJ	102A
V6C	116
V6/RC	102A
V7-2A	450A
V7-2B	450A
V10	611
V10/1S	126A
V10/1SJ	126A
V10/2S	100
V10/2SJ	100
V10/15A	102
V10/15A18	102A
V10/30A	102
V10/30A18	102A
V10/50A	102
V10/50A18	102A
V10A	611
V10K11	2V010
V10K14	2V014
V10K17	2V017
V10K20	2V020
V10K25	2V025
V10K30	2V030
V10K35	2V035
V10K40	2V040
V10K50	2V050
V10K60	2V060
V10K75	2V075
V10K95	2V095
V10K130	2V130
V10K150	2V150
V10K175	524V17
V10K250	2V250
V10K275	2V275
V10K300	2V300
V10K420	2V420
V11-CA	558
V11J	506
V11L	506
V11M	506
V11N	558
V12	612
V12A	612
V13/11	100
V14K11	2V010
V14K14	2V014
V14K17	2V017
V14K20	2V020
V14K25	2V025
V14K30	2V030
V14K35	2V035
V14K40	2V040
V14K50	2V050
V14K60	2V060
V14K75	2V075
V14K95	2V095
V14K130	2V130
V14K150	2V150
V14K175	524V17
V14K250	2V250
V14K275	2V275
V14K300	2V300
V14K420	2V420
V15/10DP	121
V15/20DP	121
V15/20R	126A
V15/30DP	121
V15C200/80-Vf	116
V17L	116
V18ZA05	1V010
V18ZA1	1V010
V18ZA2	2V010
V18ZA3	2V010
V18ZB1C	1V010
V18ZB3C	2V010
V19	552
V19B	552
V19C	552
V19CS	552
V19CSS	552
V19C-T52	552
V19E	552
V19E-T52	552
V19E-Z	552
V19F	552
V19G	552
V20K130	524V13
V20K175	524V17
V20K250	524V25
V20K275	524V27
V20K300	524V30
V20K420	524V42
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V22ZA3	2V014
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V22ZB3C	2V014
V23C	558
V24ZA1	1V015
V24ZA4	2V015
V24ZB1C	1V015
V24ZB4C	2V015
V27ZA05	1V017
V27ZA1	1V017
V27ZA2	2V017
V27ZA4	2V017
V27ZB1C	1V017
V27ZB4C	2V017
V30/10DP	121
V30/20DP	121
V30/30DP	104
V30N	558
V33	614
V33A	614
V33EG	614
V33G	614
V33ZA05	1V020
V33ZA1	1V020
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V33ZA5	2V020
V33ZB1C	1V020
V33ZB5C	2V020
V39ZA05	1V025
V39ZA1	1V025
V39ZA3	2V025
V39ZA6	2V025
V47ZA05	1V030
V47ZA1	1V030
V47ZA3	2V030
V47ZA7	2V030
V50A260-36	109
V51	102A
V56ZA05	1V035
V56ZA2	1V035
V56ZA3	2V035
V56ZA8	2V035
V56ZB2C	1V035
V56ZB8C	2V035
V58	160
V60/10DP	121
V60/10P	121
V60/20DP	121
V60/20P	121
V60/30DP	121
V60/30P	121
V66	116
V68ZA05	1V040
V68ZA2	1V040
V68ZA3	2V040
V68ZA10	2V040
V74	109
V75	160
V78	5809
V82ZA05	1V050
V82ZA2	1V050
V82ZA4	2V050
V82ZA12	2V050
V82ZB2C	1V050
V82ZB12C	2V050
V100ZA05	1V060
V100ZA3	1V060
V100ZA4	2V060
V100ZA15	2V060
V115	109
V117	109
V118	107
V119	123A
V120	160
V120PH	108
V120RH	128
V120ZA05	1V075
V120ZA1	1V075
V120ZA4	2V075
V120ZA6	2V075
V126	145A
V129	107
V130LA1	1V130
V130LA2	1V130
V130LA5	2V130
V130LA10A	2V130
V130LA20A	524V13
V130LB2C	1V130
V130LB10C	2V130
V135	109
V137PL	3020
V139	128
V140	138A
V143	107
V144	124
V145	121
V146	128
V148	5809
V150LA1	1V150
V150LA2	1V150
V150LA5	524V15
V150LA10A	524V15
V150LA20A	524V15
V150LAX572	524V15
V150LB2C	1V150
V150LB20C	2V150
V150ZA05	1V095
V150ZA1	1V095
V150ZA4	2V095
V150ZA8	2V095
V151(Benco)	9914
V152	159
V152A	121
V154	128
V159	312
V160	142A
V162	159
V162A	121
V166	128
V167	134A
V169	123A
V169P	3025
V170D	3021
V171	5809
V172	128
V174	138A
V175	146A
V175LA2	1V175
V175LA5	524V17
V175LA10A	524V17
V175LA20A	524V17
V176	184
V177	128
V178	703
V178P	3007
V180	129
V180ZA1	1V115
V180ZA5	2V115
V180ZA10	2V115
V180ZB1C	1V115
V180ZB10C	2V115
V181(Benco)	9989
V182	725
V183	312
V184	703
V188	135A
V191	156
V205	160
V-210C	109
V210C	116
V220	108
V221	108
V222	108
V250LA2	1V250
V250LA4	1V250
V250LA10	2V250
V250LA15A	2V250
V250LA20A	2V250
V250LA40A	524V25
V250LB4C	1V250
V250LB20C	2V250
V-270D1	116
V270-D1	116
V275LA2	1V275
V275LA4	1V275
V275LA10	2V275
V275LA15A	2V275
V275LA20A	2V275
V275LA40A	524V27
V275LA40B	524V27
V297	123A
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V300LA4	1V300
V330X	580
V331X	580
V332X	580
V334X	580
V336X	580
V390ZA05	1V250
V405	108
V405A	395
V409	152
V410	159
V410A	159
V413	6408
V413K	6408
V413L	6407
V413M	6407
V413N	6408
V415	108
V417	108
V420LA10	2V420
V420LA20A	2V420
V420LA40A	524V42
V420LA40B	524V42
V430ZA05	1V275
V435	108
V435A	159
V-442	116
V442	116
V470ZA05	1V300
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V480LA40A	2V480
V480LA80A	524V48
V480LB40C	2V480
V480LB80C	524V48
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V500R	5967
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V532P	3170◆
V533P	3171◆
V541P	3172◆
V542P	3173◆
V543P	3174◆
V600	5966
V600R	5967
V622P	3131
V622PY	3131
V623P	3130
V623PG	3130
V654	193
V655	193
V741	193
V745	129
V761	159
V763	159
V765	129
V800	5966
V800R	5967
V910	611
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V912	612
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V933	614
V933A	614
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V-1266	145A
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V1650E-4	312
V1833E	312
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V3074A21	116
V8634-3	112
V-8634-3	112
V9446-4	116
V10158	116
V-10916-3	109
V10916-3	109
V11189-1	116
V15920	116
V50260-10	177
V50260-16	109
V50260-22	109
V50260-32	177
V50260-35	109
V50260-36	177
V587710393	910
VA127	614
VA128	614
VA132	611
VA135	611
VA157	611
VA160	614
VA5139	610
VA5139A	610
VAC571C1	1078§
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VAMV-1	116
VAR	177
VAR-1R2	177
VB11	102A
VB-11	116
VB15	525
VB100	156(2)
VB300	156(2)
VB400	156(2)
VB-400	156(2)
VB500	156(2)
VB-600	156(2)
VB600	156(2)
VB600A	156(2)
VBH600	156(2)
VC6E	116
VC10	611
VC10A	611
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VC12A	612
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VC33A	614
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VC827	614
VC827A	614
VC841	610
VC841A	610
VC2011	5126A
VCR3P	460
VCR4N	466
VCRS0011	1711
VD1N34A///-1	109
VD6	116
VD10E1LF	116
VD11	109
VD12	109
VD13	109
VD-121C	116
VD1120	601
VD1121	601
VD-1122	601
VD1122	601
VD-1123	177
VD1123	601
VD-1124	601
VD1124	601
VD1127	177
VD1129	601
VD1150L	601
VD1150M	601
VD1210	605A
VD1210L	605A
VD1211	605A
VD1212	605A
VD1213	605A
VD1220	605A
VD1220-M	605A
VD1221	605A
VD1221L	605A
VD1222	605A
VD1251L	601
VD1252L	605A
VD1260M	601
VD1271ME	519
VD1272LE	519
VD1272ME	519
VD-S-7-013626-001	519
VE08	5304
VE18	5304
VE27	5304
VE28	5304
VE47	5304
VE48	5304
VE67	5305
VE68	5305
VE86	5306
VE108	5307
VE79092	9949
VE79093	9944
VE79141	9937
VF-2	125

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
VF5-5	518
VF5-5X	518
VF5-7	518
VF5-7X	518
VF5-10	518
VF5-10X	518
VF10-5	518
VF10-5X	518
VF10-7	518
VF10-7X	518
VF10-10	518
VF10-10X	518
VF15X	518
VF25-5	518
VF25-5X	518
VF25-7	518
VF25-7X	518
VF25-10	518
VF25-10X	518
VF579	264
VF-1043	614
VFA2745C	116
VFA-2745C	116
VFG2745B	104
VFG-274513	104
VFL2744K	160
VFL-2744K	126A
VFP2746C	121
VFP-2746C	104
VFP-6537C	121
VFP6537C	121
VFQ-2745F	100
VFQ2745F	102A
VFS5K	126A
VFS2745	158
VFS-2745	102A
VFS-2745J	102A
VFS2745J	158
VF-SD1A	506
VFSD-1A	119
VFT-2745H	102A
VFU2746B	121
VFU-2746B	121
VFU65326B	121
VFW2745D	160
VFW-27450	126A
VFY-2745E	100
VG310	611
VG310A	611
VG322	613
VG322A	613
VG333	614
VG333A	614
VH048	5312
VH1AN301	1446
VH1AN6300	1412
VH1AN6341	1425
VH1AN6342	1427
VH1HD14042P	4042B
VH1LA7016//-1	1781
VH1S2339MB-1	611
VH1UPD4066B-1	4066B
VH2SC2611//-1	157
VH2SF1422/1F	230
VH10	611
VH12	612
VH33	614
VH148	5312
VH247	5313
VH248	5313
VH447	5314
VH448	5314
VH647	5315
VH648	5315
VH848	5316
VH910	611
VH912	612
VH933	614
VH1048	5317
VH7084	614
VHC1S2139C	611
VHC1S2139-C-1	611
VHCBB109G-1	610
VHCBB1096//-1	614
VHCFV1043//-1	610
VHCSVC211//3F	616
VHD02Z3R3///A	5005A
VHD1JU42//-1	552◆
VHD1N34///-1	109
VHD1N34A	109
VHD1N34A///-1	109
VHD1N34A///-2	109
VHD1N60	109
VHD1N60////-1	109
VHD1N60-1	109
VHD1N60////-3	109
VHD1N60-PP/1G	109
VHD1N4001	116
VHD1S34	109
VHD1S34///-1	109
VHD1S34A///-1	109
VHD1S155V/1G	177
VHD1S188FM	109
VHD1S953///1F	177
VHD1S1553//-1	177
VHD1S1555//-1	177
VHD1S1555//1A	177
VHD1S1555///A	177
VHD1S1555-R-1	177
VHD1S1834//-1	506
VHD1S1885//-1	116
VHD1S1885-1	116
VHD1S1926-M-1	112
VHD1S2076//-1	177
VHD1S2076-1	177
VHD1S2076//-U	519
VHD1S2230//1E	116
VHD1S2473	519
VHD1S2473//-1	519
VHD1S2835//1E	596
VHD1S2837//-1E	595
VHD1SS82///1A	177
VHD1SS119//-1	519
VHD1SS119//1E	519
VHD1SS198//-1	584
VHD10E1///-1	116
VHD10E1-1	116
VHD10E1FD//-1	125
VHD10E-4///-1	116
VHD30D2	125
VHD30D2FAS/-1	125
VHDBB221///-1	616
VHDCDG00///-1	177
VHDDBA30C12-1	5313
VHDDBA40C//-1	5313
VHDERB1206/-1	116
VHDERB9302/-1	588
VHDMA151WK/-1	595
VHDS5277B//-1	116
VHE02CZ5R6Y-1	5011T1
VHE205	588
VHE210	588
VHE215	588
VHE220	588
VHE1401	599
VHE1402	599
VHE1403	599
VHE1404	599
VHEAN3211K	1805
VHEAN3310K	1806
VHEBZ-120	142A
VHEHZ6B2///1A	5012A
VHEHZ6B3////1A	136A
VHEHZ6C	5013A
VHEHZ12A2L	5021A
VHEHZ12C-2L-1	5023A
VHEHZ33-2//-1	5036A
VHEHZS6CL3/-1	5070A
VHEHZS12BL1-1	5021T1
VHEMN6163A	1814
VHEMTZJ3R9A-V	5067A
VHEMTZJ5R1B-1	5010T1
VHEMTZJ5R6B-1	5011T1
VHEMTZJ5R6C-1	5011T1
VHEMTZJ6R2B-1	5013T1
VHEMTZJ6R8C-V	5071A
VHEMTZJ8R2A-1	5072A
VHEMTZJ9R1A-1	139A
VHEMTZJ100A-V	5019T1
VHEMTZJ110A-1	5074A
VHEMTZJ130A-1	143A
VHEMTZJ130B-1	143A
VHEMTZJ130C-1	143A
VHEMTZJ160A-1	5075A
VHERD4R7EC/-1	5009A
VHERD5R1JB1-1	5010A
VHERD5R1JB2-1	5010A
VHERD5R1JS1-1	5010T1
VHERD5R1JS2-1	5010T1
VHERD5R6JS2-1	5011T1
VHERD6R2JB2-1	5013A
VHERD6R8EE/-1	5071A
VHERD7R5JB1-1	138A
VHERD8R2JB2-1	5072A
VHERD9R1JB2-1	5018A
VHERD9R1JS1-1	139A
VHERD27ED//-1	146A
VHERD160JB1-1	5025A
VHERD160JB2-1	5025A
VHERD240JB2-1	5031A
VHESTK4131II	1817
VHESTK4152II	1819
VHEWZ-100-1F	140A
VHEWZ-100//1F	5019A
VHEWZ-197//-1	5029A
VHEWZ-1001E	5096A
VHEWZ-1001F	177
VHEWZ-1001F(10 volts)	140A
VHEWZ-1001F(100 volts)	5096A
VHEWZ-10001F	5096A
VHEXZ-090-1	139A
VHEXZ-090//-1	5018A
VHEXZ090-1	139A
VHF1S2076-1	177
VHI74LS42//-1	74LS42
VHIAN262///-1	1263
VHIAN360///-1	1223
VHiAN3211K	1805
VHIAN3211K/-1	1805
VHiAN3310K	1806
VHiAN3320K	1808
VHiAN5836	1780
VHIAN5836//-1	1780
VHIAN6209//-1	1710
VHIAN6291//-1	1744
VHIAN6306//-1	1712
VHIAN6330//-1	1419
VHIAN6341N/-1	1425
VHIAN6343//-1	1700
VHIAN6344//-1	1428
VHiAN6366NK	1813
VHIBA718///-1	1529
VHIBA6209//1E	1716
VHIBA6238AU-1	1834
VHIBA6238AU1E	1834
VHiCXA1011P-1	1859
VHID14071P-1	4071B
VHIHA11225/-1	1488
VHIHA17182W-1	966
VHIHD74LS00P/	74LS00
VHIHD74LS09-1	74LS09
VHIHD74LS14-1	74LS14
VHIHD74LS136P	74LS136
VHIHD74LS221/	74LS221
VHIHD74S04/-1	74S04
VHIHD7406//-1	7406
VHIHD7417//-1	7417
VHIHD7426//-1	7426
VHIIR2403//-1	2079
VHi-iR9358	928M
VHIIR9358//-1	928M
VHIIR94558/-1	778A
VHILA1230S/-1	788
VHILA1231N/-1	1441
VHILA1240//-1	1214
VHILA7016//-1	1781
VHILA7838//-1	7039
VHILB1415//-1	1514
VHILB1426//-1	1511
VHILM358N//-1	928M
VHIM5223P//-1	778A
VHIM5224P//-1	987
VHIM54459//-1	1745
VHIMN3007//-1	1641
VHIMN3101//-1	1639
VHiMN6163A	1814
VHINE646B//-1	2004
VHINE646B//1F	2004
VHiNJM4558D-1	778A
VHINJM4558D-1	778A
VHINJM4558DX1	778A
VHiNJM7908A	965#
VHIRC4558P	778A
VHIRC4558P/-1	778A
VHIRC4558PL-1	778A
VHISN74LS08-1	74LS08
VHISN74LS32-1	74LS32
VHISTK-459/-1	1330
VHISTK-461	1331
VHISTK-465/-1	1345
VHISTK3042/-1	1338§
VHISTK6942	1824
VHISTR30130-1	1777
VHISTRS6301-1	7073§
VHiT4555BP	4555B
VHITA7056/-1	7052
VHITA7120P/-1	1087
VHITA7130P2	1234
VHITA7343P	1657
VHITA7347/-1	1873
VHITA7347P	1873
VHITA7347P/-1	1873
VHITA7348P/-1	1826
VHITA7805S/-1	1960
VHITA7809S/-1	1966
VHITA7812S	1970
VHITA7812S/-1	1970
VHITA8703S/-1	7057
VHITA75339P-1	834
VHITA7558S	1529
VHITA7558S-1	1529
VHITA78010AP1	1932
VHITC0481BP-1	4081B
VHITC4001BP-1	4001B
VHITC4011BP-1	4011B
VHITC4013BP-1	4013B
VHITC4027BP-1	4027B
VHITC4028BP-1	4028B
VHITC4030BP-1	4030B
VHITC4052BP-1	4052B
VHITC4052BP-1	4052B
VHITC4066BP-1	4066B
VHITC4514BP-1	4514B
VHITC4528BP-1	4528B
VHITDA3569/-1	7048
VHITDA7052/-1	7051
VHITDA7056/-1	7052
VHITDA8305A-1	7047
VHITEA5582/-1	7116
VHITL489CP/-1	1505
VHITL4558C/-1	778A
VHIUPC358C/-1	928M
VHIUPC574JT-1	615A
VHIUPC1373H-1	1714S
VHIUPC1373HA1	1714S
VHIUPC1391H-1	1668
VHiUPC1391H-1	1668
VHIUPC1406HA1	1792
VHIUPC1486C	7019
VHIUPC1486C-1	7019
VHIUPC1513H	1787
VHIUPC1513H-1	1787
VHIUPD4066B-1	4066B
VHiUPD4066B-1	4066B
VHIVD14042P	4042B
VHPGL5NG6	3024
VHPGL5PR6	3022
VHS2P4M////1E	5457
VHS2SF656//1E	5402
VHS2SF1422/1E	230
VHS3S4M/LB1E	5424
VHS3S4MM//LB1E	5424
VHS3S4M//LB1E	5424
VHS326	177
VHSCR3AMZ8LB1	5424◆
VHSCS3AMZ8LB1	399
VHSS6089///1B	230
VHSS6089///1E	230
VHSS6142GLB1E	5424
VHSS6192FLB1E	5424
VHSS6340G//1E	5424
VHSS6340GLB1E	5424
VHSS6344GLB1E	5424
VHSS6785GLB2E	5424#
VHSS6785GLBIE	5424#
VHSSFORIA411E	5402
VHV1S1209-1	177
VHVCDG24///-1	177
VHVHV1N4148-1	519
VHVHV23G-B	600
VJ148	5312
VJ248	5313
VJ448	5314
VJ648	5315
VJ848	5316
VJ1048	5317
VL/8RJ	100
VL18RJ	126A
VM08	5332
VM-0.09M	113A
VM18	5332
VM25	5332
VM28	5332
VM48	5332
VM68	5332
VM88	5334
VM108	5334
VM204	610
VM204A	610
VM205	610
VM205A	610
VM210	610
VM210A	610
VM211	610
VM211A	610
VM216	610
VM216A	610
VM217	610
VM217A	610
VM222	610
VM222A	610
VM223	610
VM223A	610
VM228	610
VM228A	610
VM229	610
VM229A	610
VM234	610
VM234A	610
VM235	610
VM235A	610
VM304	611
VM304A	611
VM305	611
VM305A	611
VM310	611
VM310A	611
VM311	611
VM311A	611
VM316	611
VM316A	611
VM317	611
VM317A	611
VM328	611
VM328A	611
VM329	611
VM329A	611
VM334	611
VM334A	611
VM335	611
VM335A	611
VM504	613
VM504A	613
VM505	613
VM505A	613
VM510	613
VM510A	613
VM511	613
VM511A	613
VM516	613
VM516A	613
VM517	613
VM517A	613
VM522	613
VM522A	613
VM523	613
VM523A	613
VM528	613
VM528A	613
VM529	613
VM529A	613
VM534	613
VM534A	613
VM535	613
VM535A	613
VM604	614
VM604A	614
VM605	614
VM605A	614
VM610	614
VM610A	614
VM611	614
VM611A	614
VM616	614
VM616A	614
VM617	614
VM617A	614
VM622	614
VM622A	614
VM623	614
VM623A	614
VM628	614
VM628A	614
VM629	614
VM629A	614
VM634	614
VM634A	614
VM635	614
VM635A	614
VM20233	124
VM-20233	124
VM30203	121
VM-30203	121
VM30209	123A
VM-30209	123A
VM30233	124
VM-30234	124
VM30234	124
VM-30241	123A
VM30241	123A
VM-30242	123A
VM30242	123A
VM-30244	102A
VM30244	102A
VM-30245	124
VM30245	124
VM45332	123A
VM60280...123A + 159(CP)	
VM-PH9D522/1	116
VM-PH11D522/1	116
VMPH11D522-1	116
VMT-01	532
VMT-02	531
VMT-03	500A
VMT-03-01	500A
VMT-03-02	500A
VMT-04	521
VMT-05	522
VMT-05-01	522
VMT-05-02	522
VMT-05-03	522
VMT-06	537
VMT-07	533
VMT-08	523/3306
VMT-09	529
VMT-09-01	529
VMT-10	536A
VMT-11	534
VMT-12	538
VMT-13	539
VMT-14	539
VMT-15	530
VM-TC02P11/2	116
VN0104N3(SGD)	490◆
VN0104N9(SGD)	490◆
VN0106N3(SGD)	490◆
VN0106N9(SGD)	490◆
VN0330N5	67
VN0330N5G	67
VN0335N1	2386
VN0335N5	2391
VN0335N5G	67
VN0340N1	2386
VN0340N5	2391
VN0340N5G	67
VN0345N5	2380
VN0350N5	2380
VN0610LL(SGD)	490◆
VN10KN3(SGD)	490◆
VN10KN9(SGD)	490◆
VN1209N5	66
VN1304N3(SGD)	490◆
VN1306N3(SGD)	490◆
VN2222L(SGD)	490◆
VN2222LL(SGD)	490◆
VNS008A	2386
VNS009A	2386
VO1G	115
VO1G(Emerson)	115
VO3-C	125
VO-3C	125
VO3C	125
VO3G	125
VO-5E	116
VO-6A	116
VO6B	116
VO6-C	116
VO6C	116
VO-6C	116
VO6C5	116
VO6E	116
VO6G	558
VO9C	552
VO-9C	552
VO9E	552
VO-9E	552
VO9G	558
VOG	116
VP12505	5322
VP12510	5322
VP12520	5322
VP12540	5324
VP12560	5326
VP12580	5327
VP125100	5328
VP2505	5322
VP2510	5322
VP2520	5322
VP2540	5324
VP2560	5326
VP2580	5327
VP25100	5328
VQ042B	229
VR1B	552
VR1D	552
VR1G	552
VR1G(Diode)	552
VR1J(Diode)	552
VR2D	552
VR5.6	136A
VR5.6A	136A
VR5.6B	136A
VR6.2	137A
VR6.2A	137A
VR6.2B	137A
VR6.8B	5071A
VR7.5	138A
VR7.5A	138A
VR7.5B	138A
VR8.2	5072A
VR8.2A	5072A
VR8.2B	5072A
VR9B	139A
VR9.1	139A
VR9.1A	139A
VR9.1B	139A
VR10	140A
VR10A	140A
VR10B	140A
VR10E	5186A
VR10F	5125A
VR11	141A
VR11A	141A
VR11B	5074A
VR11F	5126A
VR12	142A
VR12A	142A
VR12B	142A
VR12E	5188A
VR12F	5127A
VR13	143A
VR13A	143A
VR13B	143A
VR13F	5128A
VR14	144A
VR-14	145A
VR14A	144A
VR14B	144A
VR15	145A
VR15A	145A
VR15B	145A
VR15E	5191A
VR15F	5130A
VR16B	5075A
VR16F	5131A
VR18	5077A
VR18A	5077A
VR18B	5077A
VR18E	5194A
VR18F	5133A
VR20	5079A
VR20A	5079A
VR20B	5079A
VR20F	5135A
VR22B	5080A
VR22E	5197A
VR22F	5136A
VR24	5081A
VR24A	5081A
VR24B	5081A
VR24F	5137A
VR27	146A
VR27A	146A
VR27B	146A
VR27E	5200A
VR27F	5139A
VR28	5083A
VR28A	5083A
VR28B	5083A
VR30B	5084A
VR30F	5141A
VR33	147A
VR33A	147A
VR33B	147A
VR36B	5085A
VR39	5086A
VR39A	5086A
VR39B	5086A
VR43B	5087A
VR47	5088A
VR47A	5088A
VR47B	5088A
VR51B	5089A
VR56	148A
VR56A	148A
VR56B	5090A
VR62	149A
VR62A	149A
VR62B	149A
VR68B	5092A
VR75B	5093A
VR82	150A
VR82A	150A
VR82B	150A
VR91B	5095A
VR100B	5096A
VR110	151A
VR110A	151A
VR110B	151A
VR120	5097A
VR120A	5097A
VR120B	5097A
VR130	5098A
VR130A	5098A
VR130B	5098A
VR150	5100A
VR150A	5100A
VR150B	5100A
VR160	5101A
VR160A	5101A
VR160B	5101A
VR180	5103A
VR180A	5103A
VR180B	5103A
VR200	5105A
VR200A	5105A
VR200B	5105A
VRD1N34A///-1	109
VRD1S1555-R-1	177
VS048	5312
VS-0A70	109
VS-1	116
VS1	116
VS2B561-C/-1	159
VS-2SA71	160
VS2SA71B	160
VS-2SA71B	160
VS-2SA71BS	160
VS2SA71BS	160
VS2SA103	126A
VS-2SA103	126A
VS2SA128V	158
VS-2SA358	126A
VS-2SA378	160
VS2SA378	160
VS2SA379	160
VS-2SA379	160
VS-2SA385	126A
VS2SA385	126A
VS2SA385L	126A
VS-2SA385L	126A
VS2SA495-0/-1	290A
VS2SA495-0/1E	290A
VS2SA495-Y/1E	290A
VS2SA562-0/1E	290A
VS2SA562-O/1E	290A
VS2SA562-Q/1E	290A
VS2SA562TO/-1	290A
VS2SA562T-O/1E	290A
VS2SA562T-Q/1E	290A
VS2SA562-Y/1E	290A
VS2SA673A-B/1E	290A
VS2SA673A-C/1E	290A
VS2SA673-B/1E	290A
VS2SA673-C/1A	290A
VS2SA673-C/1E	290A
VS2SA673-C/2A	290A
VS2SA673-D/1A	290A
VS2SA715-C/-A	185#
VS2SA733AQ/-1	290A
VS2SA733-P	290A
VS2SA738-C/-1	185#
VS2SA738C-1	185#
VS2SA740///1E	398
VS2SA812-M51E	2409
VS2SA844-D/-1	234
VS2SA844D/-2	234
VS2SA844-D/-2	234
VS2SA844-E/1E	234
VS2SA854-O/1E	290A
VS2SA854-Q/E	290A
VS2SA854TO/-1	290A
VS2SA933QR1E	290A
VS2SA933SQR1E	290A
VS2SA950-Y/1E	290A
VS2SA952LK/-1	290A
VS2SA966-Y/-1	294
VS2SA968Y///-1	398
VS2SA988///1E	288
VS2SA999-F	290A
VS2SA999-F/-1	290A
VS2SA1013	32
VS2SA1013//1E	32
VS2SA1015-0-3	290A
VS2SA1015/1E	290A
VS2SA1015G/1E	290A
VS2SA1015LGR1	290A
VS2SA1015Y	290A
VS2SA1015Y/1E	290A
VS2SA1015Y/2E	290A
VS2SA1020Y/-1	25
VS2SA1029C	290A
VS2SA1029C-1E	290A
VS2SA1037KQ-1	2409
VS2SA1271-Y-1	383◆
VS-2SB126	121
VS2SB126	121
VS-2SB126F	121
VS2SB126F	121
VS2SB126V	121
VS-2SB126V	121
VS-2SB128V	127
VS2SB156-D/-3	102A
VS-2SB171	102A
VS2SB171	102A
VS2SB172	102A
VS-2SB172	102A
VS-2SB172FN	102A
VS-2SB176	102A
VS2SB176	102A
VS2SB178	102A
VS-2SB178	102A
VS2SB178A	102A
VS-2SB178A	102A
VS-2SB324	158
VS2SB324	158
VS2SB355-D/-1	104
VS-2SB448	131
VS2SB525-D/-1	294
VS2SB561-C/-1	159
VS2SB566-C/-1	292
VS2SB568///-1	398
VS2SB710RS/-1	2407
VS2SB744-Q	185◆
VS2SB911M//-1	21
VS-2SC58	154
VS-2SC58A	154
VS-2SC58B	154
VS-2SC58C	154
VS-2SC206	161
VS2SC206	161
VS2SC208	161
VS-2SC208	161
VS2SC227-V/-1	128
VS2SC229-0/1E	399
VS2SC324H	123A
VS-2SC324H	123A
VS2SC371-R-1	289A
VS2SC372-0/1E	85
VS2SC372Y//-1	85
VS2SC372-Y/1E	85
VS2SC373-//1E	85
VS2SC373G-1	85
VS2SC373-G-1	85
VS2SC373-G/-1	85
VS2SC373G//-1	85
VS2SC374-B-1	199
VS2SC380A0/1E	85
VS2SC380AY/1E	85
VS2SC380Y//1	85
VS2SC380-Y/-1	85
VS2SC383-W/1E	85
VS2SC383-WT-1	85
VS2SC385L	107
VS-2SC385L	107
VS2SC388A-/1A	85
VS2SC394-0-1	289A
VS2SC394-1-1	289A
VS2SC394Y-1	289A
VS2SC394-Y/-1	289A
VS2SC394-Y-1	289A
VS2SC454-B/-1	85
VS2SC454-B/1E	85
VS2SC454-B/2A	85
VS2SC454-C/1A	85
VS2SC454-C/1E	85
VS2SC454-C/3A	85
VS2SC454-C/E	85
VS-2SC458	85
VS-2SC-458	85
VS2SC458	85
VS2SC458-B/-1	85
VS2SC458-C/1E	85
VS2SC458-C/-E	85
VS2SC458-D/-1	85
VS2SC458L	85
VS2SC458L-C1A	85
VS2SC458LGD-1	85
VS2SC460B	85
VS2SC460-B/-1	85
VS2SC460-B-1	85
VS2SC460B-1	85
VS2SC460-C	85
VS2SC461-B/-1	85
VS2SC461-C	85
VS2SC481-1	195A
VS2SC495-0/1E	295
VS2SC495-5/-1	295
VS2SC495-T/-1	295
VS2SC495T-1	295
VS2SC495-T-1	295
VS2SC496-Y/-1	295
VS2SC535-B	107
VS2SC535B//-1	107
VS2SC535-B/-1	107
VS2SC535-B/1A	107
VS2SC535-B/1E	107
VS2SC535-C/-1	107
VS-2SC538	123A
VS-2SC563	161
VS2SC681A-R1A	283
VS2SC681A-Y2E	283
VS-2SC683	161
VS-2SC684	107
VS2SC684	107
VS2SC717///-1	107
VS2SC732BTM-1	199
VS2SC732-V1F	199
VS2SC733B-1	199
VS2SC733-B/-1	199
VS2SC733-B-1	199
VS2SC735Y-1	289A
VS2SC735-Y-1	289A
VS-2SC762	161
VS2SC784R-1	229
VS2SC784-R/1E	229
VS2SC784-R1F	229
VS2SC784R1F	229
VS2SC785-0///	229
VS2SC900-E	199
VS2SC900-U/-1	199
VS2SC900U-1	199
VS2SC900-U-1	199
VS2SC941-Y/-1	289A
VS2SC945AK/-1	85
VS2SC945AK-1	85

◆, #, ❶, *, +, §, ‡ - See Special Notes on Page 2-2

To Be Replaced	ECG Replacement
VS2SC945AP	.85
VS2SC945AP-1	.85
VS2SC945AP/-1	.85
VS2SC945AQ	.85
VS2SC945AQ/1	.85
VS2SC945AQ/-1	.85
VS2SC945LK-1	.85
VS2SC945LK/-1	.199
VS2SC945LP-1	.85
VS2SC945LP/-1	.85
VS2SC975///-1	.373
VS2SC983-0/2E	.287
VS2SC983-Y/2A	.287
VS2SC1061-C1A	.152
VS2SC1166-0-1	.289A
VS2SC1166-1-1	.289A
VS2SC1166-O-1	.289A
VS2SC1166-Y-1	.289A
VS2SC1166Y-1	.289A
VS2SC1172-/1E	.238
VS2SC1173-/1E	.152
VS2SC1173-Y-3	.152
VS2SC1174-/1E	.389
VS2SC1212AC1A	.373
VS2SC1213AC1A	.289A
VS2SC1213AC/A	.289A
VS2SC1213-C/1A	.289A
VS2SC1213-C1A	.289A
VS2SC1213C1A	.289A
VS2SC1213-C1E	.289A
VS2SC1213-D1A	.289A
VS2SC1237-1	.235
VS2SC1237-/1F	.235
VS2SC1237-1F	.235
VS2SC1237-IF	.235
VS2SC1335D/1	.199
VS2SC1335D/-1	.199
VS2SC1415//-1	.376
VS2SC1419-K1F	.152
VS2SC1447-/1E	.396
VS2SC1447K/1E	.396
VS2SC1447LB1E	.376
VS2SC1509R/-1	.297
VS2SC1514/-1	.376
VS2SC1514//-1	.376
VS2SC1514-/1E	.376
VS2SC1514-/12A	.376
VS2SC1514BK1E	.376
VS2SC1514BK-1E	.376
VS2SC1569K/1E	.376
VS2SC1569LB1A	.376
VS2SC1623L51E	.2408
VS2SC1674L/-1	.107
VS2SC1675K/-1	.85
VS2SC1675L/-1	.85
VS2SC1675M/-1	.85
VS2SC1675M-1	.85
VS2SC1681G/1E	.199
VS2SC1682BL	.199
VS2SC1722//-1	.376
VS2SC1722//1	.376
VS2SC1723-1	.376
VS2SC1723//-1	.376
VS2SC1723S/-1	.376
VS2SC1740S	.85
VS2SC1740SQR1E	.85
VS2SC1741//-1	.85
VS2SC1741-1	.85
VS2SC1815GR	.85
VS2SC1815GR-1	.85
VS2SC1815GW-1	.85
VS2SC1815LGR1	.85
VS2SC1815OW-1	.85
VS2SC1815W-1	.85
VS2SC1815Y/-1	.85
VS2SC1815Y-1	.85
VS2SC1815YW-1	.85
VS2SC1815YW1E	.85
VS2SC1826-Y-1	.196
VS2SC1826-Y1A	.196
VS2SC1827//1E	.291
VS2SC1827//2E	.291
VS2SC1827Y/1E	.291
VS2SC1829-/1E	.86
VS2SC1829-/2E	.86
VS2SC1841-E-1	.90
VS2SC1855	.229
VS2SC1855//-1	.229
VS2SC1855///-1	.229
VS2SC1875//-1	.389
VS2SC1890A/1E	.90
VS2SC1890A/2E	.90
VS2SC1890AD-1	.90
VS2SC1890AE-1	.90
VS2SC1890D-1	.90
VS2SC1894//1E	.238
VS2SC1906///1A	.107
VS2SC1906///1E	.107
VS2SC1906//1E	.107
VS2SC1909-1	.235
VS2SC1921//1E	.399
VS2SC1921//-1E	.322§
VS2SC1922//2S	.389
VS2SC1923-0-1	.229
VS2SC1923-01E	.107
VS2SC1923R/-1	.107
VS2SC1942//1E	.389
VS2SC1957-1	.295
VS2SC1959Y	.85
VS2SC1959Y/-1	.85
VS2SC1959Y-1	.85
VS2SC1959Y/1E	.85
VS2SC1975M-1	.235
VS2SC1983//-1	.56
VS2SC1983//1E	.56
VS2SC1983//-2	.56
VS2SC1985//-1	.196
VS2SC2001-K-1	.85
VS2SC2001LK-1	.85
VS2SC2001-M-1	.85
VS2SC2002-K1A	.85
VS2SC2002-K/A	.85
VS2SC2021-Q-1	.16◆
VS2SC2059KN1E	.2408
VS2SC2068LB1E	.376
VS2SC2073//1E	.375
VS2SC2073/3E	.375
VS2SC2073//3E	.375
VS2SC2073LB2E	.375
VS2SC2120Y/-1	.289A
VS2SC2120Y/1E	.289A
VS2SC2120Y/-A	.289A
VS2SC2229O/-1	.399
VS2SC2229O/1E	.399
VS2SC2229Y/1E	.399
VS2SC2231Y/1E	.198
VS2SC2236O/-1	.382
VS2SC2236Y	.382
VS2SC2236Y/-1	.382
VS2SC2238Y/-1	.375
VS2SC2240BL-1	.199
VS2SC2240BL1E	.199
VS2SC2271-DIA	.399
VS2SC2320-F-1	.85
VS2SC2320-G-1	.85
VS2SC2371K	.157
VS2SC2371K/1E	.157
VS2SC2373L/1E	.379
VS2SC2383	.31
VS2SC2383//1E	.31
VS2SC2412KQ-1	.2408
VS2SC2462-C-1	.2408
VS2SC2481-0	.373
VS2SC2481//-1	.399
VS2SC2481Y	.373
VS2SC2481-Y	.373
VS2SC2481Y/1E	.373
VS2SC2481Y//1E	.373
VS2SC2482	.399
VS2SC2482//-1	.399
VS2SC2610	.399
VS2SC2610/-1E	.399
VS2SC2610/1E	.399
VS2SC2610BK/1E	.399
VS2SC2610K/1E	.399
VS2SC2610Y/-1	.399
VS2SC2611//-1	.157
VS2SC2611/-1A	.157
VS2SC2611/-1E	.157
VS2SC2655(Y)	.24
VS2SC2655Y/-1	.24
VS2SC2735/1E	.2402
VS2SC2794LB1E	.373
VS2SC2827//1E	.379
VS2SC3068LB1E	.198
VS2SC3299Y/-1	.377
VS2SC3299Y/1E	.377
VS2SC3886A/1E	.2324#
VS2SC4544LB2E	.376#
VS2SC11660-1	.289A
VS2SC15691/1E	.376
VS2SC18150/1E	.85
VS2SC19230	.229
VS2SC22290/1A	.399
VS2SC22290/1E	.399
VS2SC24810/1E	.373
VS2SD227-Y/-1	.85
VS2SD227Y-1	.85
VS2SD227-Y-1	.85
VS2SD235LBY-1	.152
VS2SD235LBY-2	.152
VS2SD357-D/-1	.291
VS2SD467-C/-1	.85
VS2SD468-C	.293
VS2SD468-C/-1	.293
VS2SD470SYL2E	.321
VS2SD471-KL1E	.293
VS2SD471S-1	.293
VS2SD471-S-1	.293
VS2SD476-C/-I	.196
VS2SD478SYL2E	.375
VS2SD478-YL2E	.375
VS2SD478YL2E	.375
VS2SD571-K	.293
VS2SD655-DE1E	.11
VS2SD666-C/-1	.382
VS2SD669-C	.373
VS2SD669C	.373
VS2SD669-C/1E	.373
VS2SD669C//1E	.373
VS2SD669C///E	.373
VS2SD669-D	.373
VS2SD669D	.373
VS2SD669D//1E	.373
VS2SD669-D/1E	.373
VS2SD669D///E	.373
VS2SD724///1A	.375
VS2SD724///2A	.379
VS2SD741-S	.293
VS2SD794-0	.184◆
VS2SD794A//1E	.184◆
VS2SD794ALB1E	.184◆
VS2SD794A-Q-1	.184◆
VS2SD794LB1E	.184
VS2SD794-Q/-1	.184◆
VS2SD863-F/-1	.382
VS2SD869-/1E	.89
VS2SD869//1E	.89
VS2SD869Y	.89
VS2SD870-1	.89
VS2SD870///-1	.89
VS2SD871///-1	.89
VS2SD880-Y	.152
VS2SD880-Y/-1	.152
VS2SD898A-/1E	.89
VS2SD898B-/1E	.89
VS2SD898B-13//1E	.89
VS2SD906///-1	.89
VS2SD906///-1E	.89
VS2SD906///1E	.89
VS2SD906-1E	.89
VS2SD906///-E	.89
VS2SD972-//-1	.2334
VS2SD975///-1	.373
VS2SD1190//-1E	.263
VS2SD1264//1E	.375#
VS2SD1267-P1E	.377#
VS2SD1426//1E	.2302
VS2SD1427//1E	.2302
VS2SD1554//1E	.2331
VS2SD1569K/1E	.376
VS2SD1650CA1E	.2331
VS2SD2095//1E	.2331
VS2SD2125//1E	.2331
VS2SD2271-1	.85
VS2SK30AG//1E	.459
VS2SK30AG//2E	.459
VS2SK30A-Y/-1(SGD)	.459
VS2SK34-C3	.312
VS2SK34-E	.459◆
VS2SK43////1A	.312
VS2SK49-F//-1	.312
VS2SK49F-1	.312
VS2SK49-F-1	.312
VS2SK49-H	.451
VS2SK49-HI	.312
VS2SK55-E//-1	.312
VS2SK61-Y-1	.312
VS2SK61-Y//-1	.451
VS9-0001-911	.116
VS9-0002-911	.116
VS9-0003-911	.125
VS9-0003-913	.199
VS9-0004-911	.125
VS9-0004-923	.234
VS9-0005-911	.116
VS9-0005-913	.123A
VS9-0006-911	.116
VS9-0006-913	.123A
VS9-0007-911	.116
VS9-0008-911	.177
VS9-0008-923	.234
VS9-0014-911	.177
VS-102	.116
VS120	.116
VS148	.5312
VS202	.116
VS247	.5313◆
VS248	.5313
VS447	.5314◆
VS448	.5314
VS500	.5952
VS600	.5952
VS647	.5315◆
VS648	.5315
VS848	.5316
VS1048	.5317
VS2073//3E	.196
VSBF494-B//-1	.229
VSBF495-C//-1	.229
VS-CS1255H	.128
VSCS1255H	.128
VS-CS1255HF	.128
VSCS1256HG	.159
VS-CS1256HG	.129
VS-DG1NR	.116
VSDTA114EK/-1	.2415
VSDTA124EK/-1	.2417
VSDTA124ES/-1	.2358
VSDTA124N//-1	.2358
VSDTC114EK/-1	.2414
VSDTC114ES/-1	.2355
VSDTC114N//-1	.2355
VSDTC124ES/-1	.2357
VSDTC124F//-1	.2357◆
VSDTC144EK/-1	.2418
VSDTC144ES/-1	.2359
VSDTC144F//-1	.2359◆
VSDTC144N//-1	.2359
VSF2745	.100
VS-FR1	.116
VSFR1	.116
VS-FR-1	.116
VS-FR1P	.116
VS-FR1P	.116
VSFR1P	.116
VS-FT-1N	.116
VSFT1N	.116
VSG-20024	.116
VSK12	.6085
VSK13	.6085
VSK14	.6085
VSK62	.6083
VSK63	.6083
VSK64	.6083
VSK120	.585
VSK130	.585
VSK140	.585
VSK320	.586
VSK330	.586
VSK340	.586
VSK1020	.6083
VSK1035	.6083
VSK1045	.6083
VSK1520	.6084
VSK1530	.6084
VSK1540	.6084
VSK2020	.6087
VSK2035	.6087
VSK2045	.6087
VSK2420	.6087
VSK2435	.6087
VSK2445	.6087
VSK3020S	.6084
VSK3030S	.6084
VSK3040S	.6084
VSK4020	.6094
VSK4030	.6094
VSK4040	.6094
VSPH9D522/1	.116
VS-PH9D522/1	.116
VSQA206CD	.5012A
VS-SD-1B	.506
VSSD1B	.116
VSSD1Z	.116
VS-SD-1Z	.116
VS-SD-82A	.112
VS-TC0-2P11/2	.116
VS-TC02P11/2	.116
VSTC02P11/2	.116
VT200/T	.5322◆
VT1000	.517
VT1200	.517
VT1500	.517
VTA1112	.3036
VVC201	.610
VVC201A	.610
VVC203	.611
VVC203A	.611
VVC205	.612
VVC205A	.612
VVC213	.614
VVC213A	.614
VVC409	.614
VVC409A	.614
VVC410	.614
VVC410A	.614
VVC412	.611
VVC412A	.611
VVC413	.613
VVC413A	.613
VVC415	.613
VVC415A	.613
VVC700	.610
VVC700A	.610
VVC701	.610
VVC701A	.610
VVC702	.610
VVC702A	.610
VVC704	.610
VVC704A	.610
VVC705	.611
VVC705A	.611
VVC706	.611
VVC706A	.611
VVC710	.613
VVC710A	.613
VVC712	.614
VVC712A	.614
VVC713	.614
VVC713A	.614
VVC726	.610
VVC726A	.610
VVC729	.611
VVC729A	.611
VVC730	.611
VVC730A	.611
VVC731	.612
VVC731A	.612
VVC732	.612
VVC732A	.612
VVC741	.613
VVC741A	.613
VVC742	.613
VVC742A	.613
VVC743	.613
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VVC747	.614
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VVC748	.614
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VVC749	.614
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VVC797	.611
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VVC799	.611
VVC799A	.611
VVC810	.612
VVC810A	.612
VVC811	.612
VVC811A	.612
VVC822	.614
VVC822A	.614
VVC823	.614
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VVC825	.614
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VVC847	.610
VVC847A	.610
VVC848	.610
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VVC849	.610
VVC849A	.610
VVC850	.611
VVC850A	.611
VVC851	.611
VVC851A	.611
VVC852	.611
VVC852A	.611
VVC862	.613
VVC862A	.613
VVC863	.613
VVC863A	.613
VVC864	.613
VVC864A	.613
VVC869	.614
VVC869A	.614
VVC870	.614
VVC870A	.614
VVC871	.614
VVC871A	.614
VVC910	.611
VVC910A	.611
VVC911	.611
VVC911A	.611
VVC924	.613
VVC924A	.613
VVC925	.613
VVC925A	.613
VVC932	.614
VVC932A	.614
VVC933	.614
VVC933A	.614
VVC934	.614
VVC934A	.614
VVC1003	.610
VVC1003A	.610
VVC1004	.611
VVC1004A	.611
VVC1005	.612
VVC1005A	.612
VVC1009	.613
VVC1009A	.613
VVC1011	.614
VVC1011A	.614
VVC1620	.610
VVC1620A	.610
VVC1624	.611
VVC1624A	.611
VVC1626	.612
VVC1626A	.612
VVC1634	.613
VVC1634A	.613
VVC1638	.614
VVC1638A	.614
VX0009TAZZ	.601
VX3375	.186
VX3733	.152
VZ-050	.135A
VZ-052	.5010A
VZ-054	.5011A
VZ-056	.5011A
VZ-058	.5012A
VZ060	.1V060
VZ-061	.5012A
VZ-063	.5013A
VZ-065	.5014A
VZ-067	.5014A
VZ-069	.5014A
VZ-071	.5015A
VZ-073	.5015A
VZ-075	.5015A
VZ075	.1V075
VZ-077	.5015A
VZ-081	.5016A
VZ-083	.5016A
VZ-085	.5017A
VZ-088	.5017A
VZ-090	.5018A
VZ-092	.5018A
VZ-094	.5018A
VZ095	.1V095
VZ-096	.5019A
VZ-098	.5019A
VZ-15B	.5024A
VZ33F	.5111A
VZ36F	.5112A
VZ39F	.5113A
VZ43F	.5114A
VZ47F	.5115A
VZ51F	.5116A
VZ56F	.5117A
VZ62F	.5119A
VZ68F	.5120A
VZ75F	.5121A
VZ82F	.5122A
VZ91F	.5124A
VZ-100	.5019A
VZ100F	.5125A
VZ-110	.5020A
VZ110F	.5126A
VZ-115	..141A
VZ-120	.5021A
VZ120F	.5127A
VZ-125	.5022A
VZ130	.1V130
VZ-130	.5022A
VZ130F	.5128A
VZ-135	.5023A
VZ-140	.5023A
VZ-145	.5024A
VZ150	.1V150
VZ-150	.5024A
VZ150F	.5130A
VZ-157	.5025A
VZ160F	.5131A
VZ-162	.5025A
VZ-167	.5026A
VZ-172	.5026A
VZ-177	.5027A
VZ180F	.5133A
VZ-182	.5027A
VZ-187	.5028A
VZ-192	.5028A
VZ-197	.5029A
VZ200F	.5135A
VZ220F	.5136A
VZ240F	.5137A
VZ250	.1V250
VZ270F	.5139A
VZ300F	.5141A
VZ330F	.5142A
VZ:6.2V	.5013A
VZA060	.1V060
VZA075	.1V075
VZA095	.1V095
VZA130	.2V130
VZA150	.2V150
VZA175	.1V175
VZA250	.2V250
VZA275	.1V275
VZA300	.1V300
VZB095	.2V095
VZB130	.2V130
VZB150	.2V150
VZB175	.524V17
VZB250	.2V250
VZB275	.2V275
VZB300	.2V300
VZB420	.2V420
VZC095	.2V095
VZC130	.524V13
VZC150	.524V15
VZC175	.524V17
VZC250	.524V25
VZC275	.524V27
VZC300	.524V30
VZC420	.524V42
VZD130	.524V13
VZD150	.524V15
VZD175	.524V17
VZD250	.524V25
VZD275	.524V27
VZD300	.524V30
VZD420	.524V42
VZG060	.1V060
VZG075	.1V075
VZG095	.1V095
VZG130	.1V130
VZG150	.1V150
VZG175	.1V175
VZG250	.1V250
W-005	.5304
W005	.5304
W005G	.5304
W005M	.5304
W01	.5304
W01F	.5304
W01G	.5304
W02	.5304
W02F	.5304
W02G	.5304
W02M	.5304
W03A	.116
W03B	.116
W03BTA	.552
W03C	.116
W04	.5304
W04F	.5304
W04G	.5304
W04M	.5304
W06	.5305
W06-A	.116
W06A	.116
W06A-Z	.116
W06-B	.116
W06B	.116
W06C	.116
W06F	.5305
W06G	.5305
W06L	.116
W06M	.5305
W07.5	.5015A
W08	.5306
W08F	.5306
W08G	.5306
W08M	.5306
W09C	.552
W010M	.5307
w0-61	.137A
W0-61	.137A
W075	.5015A
W1	.100
W1A	.312
W1E	.220
W1P	.312
W1R	.177
W1R(Diode)	.177
W1R(SCR)	.5404
W1U	.222
W1U-1	.222
W1W	.5444
W2	.101
W2AA50C	.5703
W2AA50E	.5703
W2BC25C	.5700
W2BC25E	.5700
W2BE25C	.5700
W2BE25E	.5700
W2BH25C	.5702
W2BH25E	.5702
W2BJ25C	.5701
W2BJ25E	.5701
W2BK25C	.5701
W2BK25E	.5701
W3	.102A
W3D	.5633
W4	.103A
W4-7	.346
W4-14	.348
W4-21	.347
W4-28	.345
W4D45C	.6220
W4D45D	.6220
W4D45M	.6220
W4D45N	.6220
W4D45P	.6220
W4D45PB	.6220
W4D80C	.6230
W4D80D	.6230
W4D80M	.6230
W4D80N	.6230
W4D80P	.6230
W4D80PB	.6230
W4DA40C	.5711
W4DA40D	.5711
W4DA40M	.5711
W4DA40N	.5711
W4DA40P	.5711
W4DA40PB	.5711
W4DA55C	.5711
W4DA55D	.5711
W4DA55M	.5711
W4DA55N	.5711
W4DA55P	.5711
W4DA55PB	.5711
W4DB40C	.5712
W4DB40D	.5712
W4DB40M	.5712
W4DB40N	.5712
W4DB40P	.5712
W4DB40PB	.5712
W4DB55C	.5711
W4DB55D	.5711
W4DB55M	.5711
W4DB55N	.5711
W4DB55P	.5711
W4DB55PB	.5711
W4DC40C	.5710
W4DC40D	.5710
W4DC40M	.5710
W4DC40N	.5710
W4DC40P	.5710
W4DC40PB	.5710
W4DC55C	.5710
W4DC55D	.5710
W4DC55M	.5710
W4DC55N	.5710
W4DC55P	.5710
W4DC55PB	.5710
W5	.104
W6	.105
W7	.106
W8	.108
W9	.121
W9MP	.121MP
W10	.123
W10F	.5307
W10G	.5307
W10M	.5307
W11	.124
W12	.160
W13	.127
W14	.128
W15	.129
W16	.130
W16MP	.130MP
W17	.131
W17MP	.131MP
W18	.152
W19	.153
W20	.123A
W21	.159
W22	.160
W23	.161
W24	.123A
W25	.158
W26	.157
W27	.155
W28	.154
W29	.107
W50	.130
W55	.148A
W65	.129
W98	.123A
W100	.7473
W101	.123A
W103	.123A
W103-254(Zenith)	.116
W104	.123A
W107	.123A
W110	.5304
W111	.5304
W118	.130
W126	.289A
W143	.123A
W148	.123A
W153	.189
W166	.725
W167	.1111§
W1000	.7400
W1001	.7408
W1003	.7474
W1004	.7400
W1005	.7410
W1006	.7451
W1007	.74122
W1013	.74151
W1014	.74123
W1015	.7414
W1105	.2043§
W1150	.4011B
W1151	.4012B
W1152	.4023B
W1153	.4027B
W1154	.4042B
W1155	.4049
W1156	.4081B
W1157	.4013B
W1158	.4085B
W1159	.4098B
W1160	.74C85
W1161	.74C174
W1162	.74C193
W1163	.4520B
W1164	.4016B
W1167	.4512B
W1168	.4028B
W1169	.4069
W1170	.4015B
W1171	.4555B
W1201	.725
W1206	.1113
W1209	.923
W1210	.941M
W1211	.912
W1212	.725
W1213	.725
W1214	.309K
W1217	.955M
W1221	.975
W1223	.966
W1224	.968
W1225	.967
W1226	.969
W-1227	.902
W1230	.960
W1232	.937M
W1233	.987
W1402	.123A
W1403	.123A
W1405	.123A
W1406	.123A
W1408	.123A
W1409	.123A
W1410	.199
W1411	.123A
W1412	.123A
W1413	.123AP
W1414	.123A
W1415	.123A
W1416	.123AP
W1417	.123A
W1418	.123A
W1425	.289A
W1502	.159
W1503	.199
W1600	.123A
W1602	.128
W1603	.154
W1604	.128
W1702	.129
W1704	.129
W1800	.130
W1801	.130
W1802	.245
W1803	.189
W1804	.243
W1901	.219
W2000	.312
W2000(Organ)	.461
W2001	.461
W2001(Organ)	.461
W2010	.6401
W2011	.6400B
W2020	.6408
W2021	.5635
W2030	.5453
W2031	.5402

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
W2032	5457
W2033	5515
W2058	5402
W2175	5463
W2200	246 + 245(CP)
W2201	130 + 219(CP)
W2202	243 + 244(CP)
W2244	6094
W4002	116
WA066	8063
WA072	8070
WA077	8076
WA084	8081
WA093	8090
WA098	8096
WA-26	177
WA100	8098
WA109	8108
WA117	8115
WA126	8125
WA141	8139
WA152	8149
WA6279	289A
WAB005	5812
WAB010	5812
WAB020	5814
WAB040	5814
WAB060	5815
WAB080	5817
WAB100	5817
WAD16	7442
WAYNE2	385
WAYNE5	100
WAYNE7	100
WC120	116
WC946D	9946
WC-14020	116
WC14020	116
WC14027	116
WC-14027	116
WC19862	103A
WC19862A	158
WC19863	102A
WC19864	102A
WC19865	116
WD001	116
WD002	116
WD003	116
WD004	116
WD005	116
WD006	116
WD007	116
WD008	116
WD009	116
WD010	116
WD011	116
WD012	116
WD013	116
WD014	116
WD015	116
WD1	109
WD2	112
WD3	110MP
WD4	177
WD6A5	116
WD10	113A
WD11	114
WD12	115
WD20	118
WD21	119
WD22	120
WD90	139A
WE081	5072A
WE-464-1	486
WE-732-91	5305
WE4110	OBS-NLA
WED8748-2	909
WEP189	HiDiv-1
WEP190	HiDiv-2
WEP191	HiDiv-4
WEP193	HiDiv-3
WEP215	513§
WEP7400	7400
WEP7474	7474
WF1	312
WF2	312
WG0A-90	177
WG-10AS	177
WG91	139A
WG103	177
WG599	177
WG-599	177
WG713	177
WG-713	177
WG713A	519
WG-713C	177
WG714	177
WG851	519
WG1010	177
WG1010A	177
WG-1010-A	177
WG-1010A	177
WG-1010AS	177
WG1010B	177
WG1012	177
WG-1012	177
WG1014A	177
WG1021	177
WHE-981-ZZ/03	552
WHE-981-ZZ/12	552
WIE	220
WK-5457	105
WK5457(FET)	457
WK-5457(FET)	457
WK5458	105
WK-5458(FET)	457
WK5458(FET)	457
WK5459	105
WL005F	5304
WL005M	5304
WL-01	5304
WL01	5304
WL01F	5304
WL02F	5304
WL02M	5304
WL04F	5304
WL04M	5304
WL06F	5305
WL06M	5305
WL08F	5306
WL08M	5306
WL10F	5307
WL10M	5307
WL-125	143A
WL-125A	143A
WL-125B	143A
WL-125C	143A
WL-125D	143A
WL-130	143A
WL-130A	143A
WL-130B	143A
WL-130C	143A
WL-130D	143A
WL-140	144A
WL-140A	144A
WL-140B	144A
WL-140C	144A
WL-140D	144A
WL-150	145A
WL-150A	145A
WL-150B	145A
WL-150C	145A
WL-150D	145A
WL-157	5075A
WL-157A	5075A
WL-157B	5075A
WL-157C	5075A
WL-157D	5075A
WL-162	5075A
WL-162A	5075A
WL-162B	5075A
WL-162C	5075A
WL-162D	5075A
WL-167	5075A
WL-167A	5075A
WL-167B	5075A
WL-167C	5075A
WL-167D	5075A
WL-172	5077A
WL-172A	5077A
WL-172B	5077A
WL-172C	5077A
WL-172D	5077A
WL-177	5077A
WL-177A	5077A
WL-177B	5077A
WL-177C	5077A
WL-177D	5077A
WL-182	5077A
WL-182A	5077A
WL-182B	5077A
WL-182C	5077A
WL-182D	5077A
WL-230	5081A
WL-230A	5081A
WL-230B	5081A
WL-230C	5081A
WL-230D	5081A
WL-240	5081A
WL-240A	5081A
WL-240B	5081A
WL-240C	5081A
WL-240D	5081A
WL-250	5081A
WL-250A	5081A
WL-250B	5081A
WL-250C	5081A
WL-250D	5081A
WL-260	146A
WL-260A	146A
WL-260B	146A
WL-260C	146A
WL-260D	146A
WL-270	146A
WL-270A	146A
WL-270B	146A
WL-270C	146A
WL-270D	146A
WL-290	5084A
WL-290A	5084A
WL-290B	5084A
WL-290C	5084A
WL-290D	5084A
WL-300	5084A
WL-300A	5084A
WL-300B	5084A
WL-300C	5084A
WL-300D	5084A
WL-330	147A
WL-330A	147A
WL-330B	147A
WL-330C	147A
WL-330D	147A
WL-340	147A
WL-340A	147A
WL-340B	147A
WL-340C	147A
WL-340D	147A
WM-061C	137A
WM-061D	137A
WM-063	137A
WM-063A	137A
WM-063B	137A
WM-063C	137A
WM-063D	137A
WM-065	137A
WM-065A	137A
WM-065B	137A
WM-065C	137A
WM-065D	137A
WM-071	138A
WM-071A	138A
WM-071B	138A
WM-071C	138A
WM-071D	138A
WM-073	138A
WM-073A	138A
WM-073B	138A
WM-073C	138A
WM-073D	138A
WM-075	138A
WM-075A	138A
WM-075B	138A
WM-075C	138A
WM-075D	138A
WM-077	138A
WM-077A	138A
WM-077B	138A
WM-077C	138A
WM-077D	138A
WM-079	5072A
WM-079A	5072A
WM-079B	5072A
WM-079C	5072A
WM-079D	5072A
WM-081	5072A
WM-081A	5072A
WM-081B	5072A
WM-081C	5072A
WM-081D	5072A
WM-083	5072A
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WM-083D	5072A
WM-085	5072A
WM-085A	5072A
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WM-085D	5072A
WM-088	139A
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WM-088D	139A
WM-090	5084A
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WM-090B	139A
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WM-090D	139A
WM-092	139A
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WM-092B	139A
WM-092C	139A
WM-092D	139A
WM-094A	139A
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WM-094D	139A
WM-098	140A
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WM-130B	143A
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WM-130D	143A
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WM-150	145A
WM-150A	145A
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WM-150C	145A
WM-150D	145A
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WM-157B	5075A
WM-157C	5075A
WM-157D	5075A
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WM-162B	5075A
WM-162C	5075A
WM-162D	5075A
WM-167	5075A
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WM-167B	5075A
WM-167C	5075A
WM-167D	5075A
WM-172	5077A
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WM-177	5077A
WM-177-01PA	366
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WM-177B	5077A
WM-177C	5077A
WM-177D	5077A
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WM-182A	5077A
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WM-270D	146A
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WM-290D	5084A
WM-300	5084A
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WM-300D	5084A
WM-330	147A
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WM-330B	147A
WM-330C	147A
WM-330D	147A
WM-340	147A
WM-340A	147A
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WM-340C	147A
WM-340D	147A
WN-079D	5072A
WN-081	5072A
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WN-081D	5072A
WN-083	5072A
WN-083A	5072A
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WN-125	143A
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WN-130B	143A
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WN-130D	143A
WN-140	144A
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WN-140C	144A
WN-140D	144A
WN-150	145A
WN-150A	145A
WN-150B	145A
WN-150C	145A
WN-150D	145A
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WN-157D	5075A
WN-162	5075A
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WN-162D	5075A
WN-167	5075A
WN-167A	5075A
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WN-167C	5075A
WN-167D	5075A
WN-177	5077A
WN-177A	5077A
WN-177B	5077A
WN-177C	5077A
WN-177D	5077A
WN-182	5077A
WN-182A	5077A
WN-182B	5077A
WN-182C	5077A
WN-182D	5077A
WN-230	5081A
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WN-230D	5081A
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WN-240A	5081A
WN-240B	5081A
WN-240C	5081A
WN-240D	5081A
WN-250	5081A
WN-250A	5081A
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WN-250D	5081A
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WR-150C	145A
WR-150D	145A
WR-157	5075A
WR-157A	5075A
WR-157B	5075A
WR-157C	5075A
WR-157D	5075A
WR-162	5075A
WR-162A	5075A
WR-162B	5075A
WR-162C	5075A
WR-162D	5075A
WR-167	5075A
WR-167A	5075A
WR-167B	5075A
WR-167C	5075A
WR-167D	5075A
WR-172	5077A
WR-172A	5077A
WR-172B	5077A
WR-172C	5077A
WR-172D	5077A
WR-177	5077A
WR-177A	5077A
WR-177B	5077A
WR-177C	5077A
WR-177D	5077A
WR-182	5077A
WR-182A	5077A
WR-182B	5077A
WR-182C	5077A
WR-182D	5077A
WR200	116
WR-200	116
WR-230	5081A
WR-230A	5081A
WR-230B	5081A
WR-230C	5081A
WR-230D	5081A
WR-240	5081A
WR-240A	5081A
WR-240B	5081A
WR-240C	5081A
WR-240D	5081A
WR-250	5081A
WR-250A	5081A
WR-250B	5081A
WR-250C	5081A
WR-250D	5081A
WR-260	146A
WR-260A	146A
WR-260B	146A
WR-260C	146A
WR-260D	146A
WR-270	146A
WR-270A	146A
WR-270B	146A
WR-270C	146A
WR-270D	146A
WR-290	5084A
WR-290A	5084A
WR-290B	5084A
WR-290C	5084A
WR-290D	5084A
WR300	116
WR-300	5084A
WR-300A	5084A
WR-300B	5084A
WR-300C	5084A
WR-300D	5084A
WR-330	147A
WR-330A	147A
WR-330B	147A
WR-330C	147A
WR-330D	147A
WR-340	147A
WR-340A	147A
WR-340B	147A
WR-340C	147A
WR-340D	147A
WR400	116
WR1131	288
WRE-981	116
WRE981	116
WRE-981-21/860	5305
WRR1952	123A
WRR1953	123A
WRR1954	123A
WRR1955	5804
WRR1956	5804
WRT1114	102
WS-050	135A
WS-050A	135A
WS-050B	135A
WS-050C	135A
WS-050D	135A
WS-052	135A
WS-052A	135A
WS-052B	135A
WS-052C	135A
WS-052D	135A
WS-054	136A
WS-054A	136A
WS-054B	136A
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WS-054D	136A
WS-056	136A
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WS-056B	136A
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WS-056D	136A
WS-058	136A
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WS-058C	136A
WS-058D	136A
WS-061	137A
WS-061A	137A
WS-061B	137A
WS-061C	137A
WS-061D	137A
WS-063	137A
WS-063A	137A
WS-063B	137A
WS-063C	137A
WS-063D	137A
WS-065	137A
WS-065A	137A
WS-065B	137A
WS-065C	137A
WS-065D	137A
WS-071	138A
WS-071A	138A
WS-071B	138A
WS-071C	138A
WS-071D	138A
WS-073	138A
WS-073A	138A
WS-073B	138A
WS-073C	138A
WS-073D	138A
WS-075	138A
WS-075A	138A
WS-075B	138A
WS-075C	138A
WS-075D	138A
WS-077	138A
WS-077A	138A
WS-077B	138A
WS-077C	138A
WS-077D	138A
WS-079	5072A
WS-079A	5072A
WS-079B	5072A
WS-079C	5072A
WS-079D	5072A
WS-081	5072A
WS-081A	5072A
WS-081B	5072A
WS-081C	5072A
WS-081D	5072A
WS-083	5072A
WS-083A	5072A
WS-083B	5072A
WS-083C	5072A
WS-083D	5072A
WS-085	5072A
WS-085A	5072A
WS-085B	5072A
WS-085C	5072A
WS-085D	5072A
WS-088	139A
WS-088A	139A
WS-088B	139A
WS-088C	139A
WS-088D	139A
WS-090	139A
WS-090A	139A
WS-090B	139A
WS-090C	139A
WS-090D	139A
WS-092	139A
WS-092A	139A
WS-092C	139A
WS-092D	139A
WS-094	139A
WS-094A	139A
WS-094B	139A
WS-094C	139A
WS-094D	139A
WS-098	140A
WS-098A	140A
WS-098B	140A
WS-098C	140A
WS-098D	140A
WS20-1b	503
WS100	177
WS-100	140A
WS100A	177
WS-100A	140A
WS-100B	140A
WS100B	177
WS-100C	140A
WS100C	177
WS-100D	140A
WS-110	5074A
WS-110A	5074A
WS-110B	5074A
WS-110C	5074A
WS-110D	5074A
WS-115	141A
WS-115A	141A
WS-115B	141A
WS-115C	141A
WS-115D	141A
WS-120	142A
WS-120A	142A
WS-120B	142A
WS-120C	142A
WS-120D	142A
WS-125	143A
WS-125A	143A
WS-125B	143A
WS-125C	143A
WS-125D	143A
WS-130	143A
WS-130A	143A
WS-130B	143A
WS-130C	143A
WS-130D	143A
WS-140	144A
WS-140A	144A
WS-140B	144A
WS-140C	144A
WS-140D	144A
WS-150	145A
WS-150A	145A
WS-150B	145A
WS-150C	145A
WS-150D	145A
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WS-157A	5075A
WS-157B	5075A
WS-157C	5075A
WS-157D	5075A
WS-162	5075A
WS-162A	5075A
WS-162B	5075A
WS-162C	5075A
WS-162D	5075A
WS-167	5075A
WS-167A	5075A
WS-167B	5075A
WS-167C	5075A
WS-167D	5075A
WS-172	5077A
WS-172A	5077A
WS-172B	5077A
WS-172C	5077A
WS-172D	5077A
WS-177	5077A
WS-177A	5077A
WS-177B	5077A
WS-177C	5077A
WS-177D	5077A
WS-182	5077A
WS-182A	5077A
WS-182B	5077A
WS-182C	5077A
WS-182D	5077A
WS200	177
WS200A	177
WS200B	177
WS200C	177
WS-230	5081A
WS-230A	5081A
WS-230B	5081A
WS-230C	5081A
WS-230D	5081A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
WS-240	5081A
WS-240A	5081A
WS-240B	5081A
WS-240C	5081A
WS-240D	5081A
WS-250	5081A
WS-250A	5081A
WS-250B	5081A
WS-250C	5081A
WS-250D	5081A
WS-260	146A
WS-260A	146A
WS-260B	146A
WS-260C	146A
WS-260D	146A
WS-270	146A
WS-270A	146A
WS-270B	146A
WS-270C	146A
WS-270D	146A
WS-290	5084A
WS-290A	5084A
WS-290B	5084A
WS-290C	5084A
WS-290D	5084A
WS-300	5084A
WS300	177
WS-300A	5084A
WS300A	177
WS-300B	5084A
WS300B	177
WS-300C	5084A
WS300C	177
WS-300D	5084A
WS-330	147A
WS-330A	147A
WS-330B	147A
WS-330C	147A
WS-330D	147A
WS-340	147A
WS-340A	147A
WS-340B	147A
WS-340C	147A
WS-340D	147A
WS6945-2	9945
WSA10-98	116
WSD002C	177
WSF14	587
WSF34	588
WT-050	135A
WT-050A	135A
WT-050B	135A
WT-050C	135A
WT-050D	135A
WT-052	135A
WT-052A	135A
WT-052B	135A
WT-052C	135A
WT-052D	135A
WT-054	136A
WT-054A	136A
WT-054B	136A
WT-054C	136A
WT-054D	136A
WT-056	136A
WT-056A	136A
WT-056B	136A
WT-056C	136A
WT-056D	136A
WT-058	136A
WT-058A	136A
WT-058B	136A
WT-058C	136A
WT-058D	136A
WT-061	137A
WT-061A	137A
WT-061B	137A
WT-061C	137A
WT-061D	137A
WT-063	137A
WT-063A	137A
WT-063B	137A
WT-063C	137A
WT-063D	137A
WT-065	137A
WT-065A	137A
WT-065B	137A
WT-065C	137A
WT-065D	137A
WT-071	138A
WT-071A	138A
WT-071B	138A
WT-071C	138A
WT-071D	138A
WT-073	138A
WT-073A	138A
WT-073B	138A
WT-073C	138A
WT-073D	138A
WT-075	138A
WT-075A	138A
WT-075B	138A
WT-075C	138A
WT-075D	138A
WT-077	138A
WT-077A	138A
WT-077B	138A
WT-077C	138A
WT-077D	138A
WT-079	5072A
WT-079A	5072A
WT-079B	5072A
WT-079C	5072A
WT-079D	5072A
WT-081	5072A
WT-081A	5072A
WT-081B	5072A
WT-081C	5072A
WT-081D	5072A
WT-083	5072A
WT-083A	5072A
WT-083B	5072A
WT-083C	5072A
WT-083D	5072A
WT-085	5072A
WT-085A	5072A
WT-085B	5072A
WT-085C	5072A
WT-085D	5072A
WT-088	139A
WT-088A	139A
WT-088B	139A
WT-088C	139A
WT-088D	139A
WT-090	139A
WT-090A	139A
WT-090B	139A
WT-090C	139A
WT-090D	139A
WT-092	139A
WT-092A	139A
WT-092B	139A
WT-092C	139A
WT-092D	139A
WT-094	139A
WT-094A	139A
WT-094B	139A
WT-094C	139A
WT-094D	139A
WT-098	140A
WT-098A	140A
WT-098B	140A
WT-098C	140A
WT-098D	140A
WT16X7	113A
WT16X8	114
WT-16X9	114
WT16X9	114
WT-100	140A
WT-100A	140A
WT-100B	140A
WT-100C	140A
WT-100D	140A
WT-110	5074A
WT-110A	5074A
WT-110B	5074A
WT-110C	5074A
WT-110D	5074A
WT-115	141A
WT-115A	141A
WT-115B	141A
WT-115C	141A
WT-115D	141A
WT-120	142A
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WT-120D	142A
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WT-125D	143A
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WT-157D	5075A
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WT-162B	5075A
WT-162C	5075A
WT-162D	5075A
WT-167	5075A
WT-167A	5075A
WT-167B	5075A
WT-167C	5075A
WT-167D	5075A
WT-172	5077A
WT-172A	5077A
WT-172B	5077A
WT-172C	5077A
WT-172D	5077A
WT-177	5077A
WT-177A	5077A
WT-177B	5077A
WT-177C	5077A
WT-177D	5077A
WT-182	5077A
WT-182A	5077A
WT-182B	5077A
WT-182C	5077A
WT-182D	5077A
WT-230	5081A
WT-230A	5081A
WT-230B	5081A
WT-230C	5081A
WT-230D	5081A
WT-240	5081A
WT-240A	5081A
WT-240B	5081A
WT-240C	5081A
WT-240D	5081A
WT-250	5081A
WT-250A	5081A
WT-250B	5081A
WT-250C	5081A
WT-250D	5081A
WT-260	146A
WT-260A	146A
WT-260B	146A
WT-260C	146A
WT-260D	146A
WT-270	146A
WT-270A	146A
WT-270B	146A
WT-270C	146A
WT-270D	146A
WT-290	5084A
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WT-290B	5084A
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WT-290D	5084A
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WT-300A	5084A
WT-300B	5084A
WT-300C	5084A
WT-300D	5084A
WT-330	147A
WT-330A	147A
WT-330B	147A
WT-330C	147A
WT-330D	147A
WT-340	147A
WT-340A	147A
WT-340B	147A
WT-340C	147A
WT-V12MC	160
WT-V12PWR	121
WT-V15MG	102A
WTV15VMG	102A
WTV20MC	160
WTV20MG	102A
WTV20VH6	102A
WTV20VHG	102A
WTV20VMG	102A
WTV25PWR	121
WTV30LVG	176
WTV30VH6	158
WTV30VHG	102A
WTV30VLG	102A
WTV30VMG	102A
WTV40PWR	121
WTV99PWR	121
WTV129PWR	105
WTV199PWR	121
WTV299PWR	105
WTVAT6	102A
WTVAT6A	160
WTVB5	160
WTVB5A	102A
WTVB6	100
WTVB6A	102
WTVBA6	160
WTVBA6A	102A
WTVBE6	160
WTVBE6A	102A
WTV-BMC	102A
WTVBMC	158
WTV-L6	101
WTVL6	103
WTVSA7	101
WTVSK7	101
WTVSQ7	101
WU-050	135A
WU-050A	135A
WU-050B	135A
WU-050C	135A
WU-050D	135A
WU-052	135A
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WU-052D	135A
WU-054	136A
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WU-054C	136A
WU-054D	136A
WU-056	136A
WU-056A	136A
WU-056B	136A
WU-056C	136A
WU-056D	136A
WU-058	136A
WU-058A	136A
WU-058B	136A
WU-058C	136A
WU-058D	136A
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WU-061D	137A
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WU-071C	138A
WU-071D	138A
WU-073	138A
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WU-073B	138A
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WU-073D	138A
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WU-075B	138A
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WU-075D	138A
WU-077	138A
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WU-077B	138A
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WU-085D	5072A
WU-088	139A
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WU-088B	139A
WU-088C	139A
WU-088D	139A
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WU-092B	139A
WU-092C	139A
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WU-094	139A
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WU-098D	140A
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WU-100B	140A
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WU-110B	5074A
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WU-115D	141A
WU-120	142A
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WU-120B	142A
WU-120C	142A
WU-120D	142A
WU-125	142A
WU-125A	142A
WU-125B	142A
WU-125C	142A
WU-125D	142A
WU-130	143A
WU-130A	143A
WU-130B	143A
WU-130C	143A
WU-130D	143A
WU-140	144A
WU-140A	144A
WU-140B	144A
WU-140C	144A
WU-140D	144A
WU-150	145A
WU-150A	145A
WU-150B	145A
WU-150C	145A
WU-150D	145A
WU-157	5075A
WU-157A	5075A
WU-157B	5075A
WU-157C	5075A
WU-157D	5075A
WU-162	5075A
WU-162A	5075A
WU-162B	5075A
WU-162C	5075A
WU-162D	5075A
WU-167	5075A
WU-167A	5075A
WU-167B	5075A
WU-167C	5075A
WU-167D	5075A
WU-172	5077A
WU-172A	5077A
WU-172B	5077A
WU-172C	5077A
WU-172D	5077A
WU-177	5077A
WU-177A	5077A
WU-177B	5077A
WU-177C	5077A
WU-177D	5077A
WU-182	5077A
WU-182A	5077A
WU-182B	5077A
WU-182C	5077A
WU-182D	5077A
WU-230	5081A
WU-230A	5081A
WU-230B	5081A
WU-230C	5081A
WU-230D	5081A
WU-240	5081A
WU-240A	5081A
WU-240B	5081A
WU-240C	5081A
WU-240D	5081A
WU-250	5081A
WU-250A	5081A
WU-250B	5081A
WU-250C	5081A
WU-250D	5081A
WU-260	146A
WU-260A	146A
WU-260B	146A
WU-260C	146A
WU-260D	146A
WU-270	146A
WU-270A	146A
WU-270B	146A
WU-270C	146A
WU-270D	146A
WU-290	5084A
WU-290A	5084A
WU-290B	5084A
WU-290C	5084A
WU-290D	5084A
WU-300	5084A
WU-300A	5084A
WU-300B	5084A
WU-300C	5084A
WU-300D	5084A
WU-330	147A
WU-330A	147A
WU-330B	147A
WU-330C	147A
WU-330D	147A
WU-340	147A
WU-340A	147A
WU-340B	147A
WU-340C	147A
WU-340D	147A
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WV-050B	135A
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WV-050D	135A
WV-052	135A
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WV-052B	135A
WV-052C	135A
WV-052D	135A
WV-054	136A
WV-054A	136A
WV-054B	136A
WV-054C	136A
WV-054D	136A
WV-056	136A
WV-056A	136A
WV-056B	136A
WV-056C	136A
WV-056D	136A
WV-058	136A
WV-058A	136A
WV-058B	136A
WV-058C	136A
WV-058D	136A
WV-061	137A
WV-061A	137A
WV-061B	137A
WV-061C	137A
WV-061D	137A
WV-063	137A
WV-063A	137A
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WV-063C	137A
WV-063D	137A
WV-065	137A
WV-065A	137A
WV-065B	137A
WV-065C	137A
WV-065D	137A
WV-071	138A
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WV-071C	138A
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WV-073	138A
WV-073A	138A
WV-073B	138A
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WV-075	138A
WV-075A	138A
WV-075B	138A
WV-075C	138A
WV-075D	138A
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WY-340D	147A
WZ09	5018A
WZ-033	5005A
WZ036	5006A
WZ-047	5009A
WZ050	5010A
WZ-050	5010A
WZ-050A	135A
WZ052	5010A
WZ-052	5010A
WZ-052A	5010A
WZ-054	5011A
WZ-054A	136A
WZ-056	5011A
WZ056	5011A
WZ-056A	5011A
WZ-058	5012A
WZ058	5012A
WZ-058A	5012A
WZ060	136A
WZ061	5013A
WZ-061	5013A
WZ-061A	137A
WZ-063	5013A
WZ-063A	137A
WZ065	137A
WZ-065	5014A
WZ-065A	137A
WZ-067	5014A
WZ-069	5014A
WZ069	5071A
WZ-071	5015A
WZ071	5014A
WZ-071A	138A
WZ-073	5015A
WZ-073A	138A
WZ075	5015A
WZ-075	5015A
WZ075A	138A
WZ-077	5015A
WZ-077A	138A
WZ-079A	5072A
WZ-081	5016A
WZ081	5016A
WZ-081A	5016A
WZ-083	5016A
WZ083	5072A
WZ-083A	5072A
WZ-085	5017A
WZ085	5073A
WZ-085A	5072A
WZ-088	5017A
WZ-088A	140A
WZ090	5018A
WZ-090	5018A
WZ090A	139A
WZ-092	139A
WZ-092A	139A
WZ094	5018A
WZ-094	139A
WZ-096	5019A
WZ096	140A
WZ-098	5019A
WZ-098A	140A
WZ-061	137A
WZ3.6	134A
WZ5	135A
WZ5.6	136A
WZ6.2	137A
WZ7.5	138A
WZ9.1	139A
WZ10	140A
WZ11.5	141A
WZ12	142A
WZ12.8	143A
WZ13B	143A
WZ14	144A
WZ15	145A
WZ27	146A
WZ33	147A
WZ55	148A
WZ62	149A
WZ82	150A
WZ-90	139A
WZ-100	5019A
WZ100	5019A
WZ-100A	140A
WZ-110	5020A
WZ110	5020A
WZ-110A	5020A
WZ-115	5074A
WZ115	5020A
WZ-115A	5074A
WZ120	5021A
WZ-120	5021A
WZ-125	5022A
WZ-130	5022A
WZ130	5022A
WZ-135	5023A
WZ140	5023A
WZ-140	5023A
WZ-145	5024A
WZ145	5024A
WZ-150	5024A
WZ150	5024A
WZ-157	5025A
WZ-162	5025A
WZ162	5025A
WZ-167	5026A
WZ-172	5026A
WZ-177	5077A
WZ177	5076A
WZ-182	5027A
WZ-187	5028A
WZ192	5078A
WZ-192	5028A
WZ-197	5029A
WZ197	5029A
WZ-210	5080A
WZ220	5030A
WZ-220	5030A
WZ-230	5031A
WZ230	5031A
WZ-240	5031A
WZ240	5031A
WZ-250	5032A
WZ250	5032A
WZ-260	5033A
WZ-270	5033A
WZ270	5033A
WZ280	5034A
WZ-280	5034A
WZ-290	5035A
WZ300	5035A
WZ-300	5035A
WZ-310	5035A
WZ310A	140A
WZ-320	5036A
WZ330	5036A
WZ-330	5036A
WZ-340	5036A
WZ350	5037A
WZ-350	5037A
WZ522	135A
WZ523	136A
WZ533	140A
WZ535	142A
WZ537	144A
WZ538	145A
WZ-538	145A
WZ542	5027A
WZ544	5029A
WZ905	135A
WZ916	141A
WZ917	142A
WZ919	144A
WZ920	145A
WZ-920	145A
WZ1301	5022A
WZ=050	5010A
WZO61	137A
WZO90	139A
X004CE	749
X0017TA	712
X0017TAZZ	712
X0020CE	1004
X0043CE	712
X0047CE	1189
X0054CE	1140
X0065CE	1550
X0069CE	4001B
X0092CE	1413
X0093CE	1532
X0094CE	1496
X092	139A
X0102AA	5402
X0102BA	5404
X0102CA	5405
X0102DA	5405
X0102MA	5406
X0103BA	5404
X0103DA	5405
X0103MA	5406
X0106BA	5404
X0106DA	5405
X0106MA	5406
X0137CE	1751
X0178CE	1416
X0200CE(Bridge)	5332
X0200CE(Zener)	5021A
X0202CE	552
X0212	1671
X0212CE	1671
X0213CE	1616
X0214CE	1576
X0219CE	5036A
X0223CE	1572§
X0225C	1377
X0238CE	1676
X0243CE	1539
X0252CE	1413
X0253(Gottlieb)	116
X0254(Gottlieb)	116
X0255(Gottlieb)	136A
X0256(Gottlieb)	5072A
X0257(Gottlieb)	142A
X0258(Gottlieb)	5077A
X0259(Gottlieb)	5085A
X0260(Gottlieb)	5812
X0260C	1658
X0261(Gottlieb)	519
X0262(Gottlieb)	143A
X0263(Gottlieb)	5801
X0275CE	1572§
X0276CE	1570
X0301(Gottlieb)	130
X0302(Gottlieb)	192A§
X0303(Gottlieb)	263
X0304(Gottlieb)	172A
X0305(Gottlieb)	287
X0306(Gottlieb)	272
X0307(Gottlieb)	291
X0308(Gottlieb)	243
X0309(Gottlieb)	159
X0310(Gottlieb)	285
X0311(Gottlieb)	247
X0313(Gottlieb)	159
X0314(Gottlieb)	287
X0315(Gottlieb)	247
X0320(Gottlieb)	123A
X0321(Gottlieb)	159
X0322(Gottlieb)	270
X0356(Gottlieb)	65101
X0360(Gottlieb)	6502
X0384(Gottlieb)	7407
X0393(Gottlieb)	941M
X0396(Gottlieb)	943
X0397(Gottlieb)	7414
X0401(Gottlieb)	4081B
X0402(Gottlieb)	7404
X0402BE	5455
X0402BF	5455
X0402DE	5457
X0402DF	5457
X0402ME	5458
X0402MF	5458
X0403(Gottlieb)	7405
X0403BE	5455
X0403BF	5455
X0403DE	5457
X0403DF	5457
X0403ME	5458◆
X0403MF	5458◆
X0404(Gottlieb)	7408
X0406(Gottlieb)	7417
X0407(Gottlieb)	7432
X0408(Gottlieb)	7448
X0409(Gottlieb)	74154
X0410(Gottlieb)	74175
X0411(Gottlieb)	74LS05
X0412(Gottlieb)	74H21
X0413(Gottlieb)	4049
X0414(Gottlieb)	4528B
X0415(Gottlieb)	2021
X0416	1792
X0416C	1792
X0416CE	1792
X0417(Gottlieb)	74121
X0419(Gottlieb)	74LS139
X0420(Gottlieb)	7400
X0421(Gottlieb)	7402
X0422(Gottlieb)	923D
X0423(Gottlieb)	7474
X0424(Gottlieb)	74C04
X0425(Gottlieb)	7490
X0426(Gottlieb)	7442
X0428(Gottlieb)	74LS02
X0432(Gottlieb)	74LS30
X0434(Gottlieb)	74LS74A
X0437(Gottlieb)	74LS138
X0451(Gottlieb)	5426
X0452(Gottlieb)	967
X0453(Gottlieb)	923
X0459(Gottlieb)	309K
X0473(Gottlieb)	966
X0487	1794
X0487C	1794
X0487CE	1794
X0499	1795
X0499C	1795
X0499CE	1795
X0507(Gottlieb)	435P18
X0508(Gottlieb)	423
X0514(Gottlieb)	416
X0600	1790
X0600C	1790
X0600CE	1790
X0631(Gottlieb)	955M
X0632(Gottlieb)	740A
X0633CE	7014
X0638CE	960
X0641(Gottlieb)	291
X0943CE	1798
X0948CE	1782
X1C1644	102A
X5M6	116
X13T571	6402§
X16	109
X16A545-7	123A
X16A1938	123A
X16E3860	123A
X16E3890	192§
X16E3960	123A
X16N1485	123A
X18	109
X29A829	159
X32C5099	128
X32C5111	128
X37C	615A
X37C(IC)	615A
X37C(Sharp)	615A
X40D500	210
X42	160
X44C758	377
X44H454	377
X44H462	377
X45C-H06	102A
X72A42416	177
X78	100
X-78	102A
X98	8098
X110	8115
X126	8125
X130	8125
X137	105
X145	8149
X165	8167
X194-3005829A	130
X300-1300A	128
X713	184
X735-40C	196
X735-41	123A
X1000	213
X1005	121
X-1018	358
X1018	358
X1077CE	7058
X1078CE	7065
X1112CE	1874◆
X1190CE	7010
X1705CE	7054
X3324G(Trans)	2410
X6584-C	123A
X6661A	726
X19001-A	123A
X19001-B	128
X19001-C	128
X19001-D	199
X-19002	941D
X-19031-A	519
X-23305-3	5804
X-23305-4	5804
X253223	124
X330302	142A
X-439623	912
X908922-001	724

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
X925940-501B	177
X925940-5018	177
X1022220-1	177
X-2408473	9914
X-2408784	9951
X7338934	175
X7338935	191
X44672210	1885
X300071592	374
X300073360	290A
X300101500	290A
X300101502	290A
X300101509	290A
X300102009	25
X300106930	378
X300115080	290A
X300117500	290A
X300117593	290A
X300145009	383
X301076530	2344
X301077251	185
X301079400	254
X301096530	262
X302056430	294
X302094530	85
X302116292	373
X302138400	293
X302164709	2332
X302181502	85
X302181509	85
X302181589	85
X302183209	152#
X302183309	152#
X302251600	54
X302278500	85
X302278530	85
X302278593	85
X302278594	85
X302329300	2332
X302369100	377#
X302374609	377#
X302374809	377#
X302398709	2336
X303088000	152
X303088080	152
X303098600	253
X303139200	2334#
X303139500	2334
X303163000	2338
X303184309	2340
X320010070	519
X320010079	519
X320010080	519
X320010190	580
X320010240	116
X320010380	552
X320010390	519
X320010450	552
X320010452	519
X320010460	519
X320010470	519
X320010480	177
X320010512	116
X320010939	519
X320011201	519
X330000059	5009A
X330000068	5009A
X330000070	5010T1
X330000130	5014A
X330000200	5023A
X330000210	5024A
X330000230	5032A
X330000240	5032A
X330000320	5000A
X330000342	5019T1
X330000422	5022A
X330000442	5030A
X330000492	5029A
X330000522	5005A
X330000542	5006A
X330000550	5020A
X330000560	5073A
X330000570	5037A
X330000582	5010T1
X330013009	5006A
X330020020	5137A
X330030288	5088A
X330160109	5009A
X330160209	5024A
X330160309	5029A
X330180069	5006A
X340040030	5304
X340200010	6240
X340200040	6090#
X340300010	5314
X340300060	5312
X340330017	5309◆
X340400030	5304
X340400040	166
X340400060	5312
X350030030	56006
X400007901	3880
X400040161	2128
X400082550	8255
X400104162	2117
X400141640	2164
X420100030	7403
X420100060	7406
X420100070	7407
X420100160	7416
X420100170	7417
X420100380	7438
X420101230	74123
X420200020	74S02
X420200040	74S04
X420300000	74LS00
X420300020	74LS02
X420300040	74LS04
X420300050	74LS05
X420300080	74LS08
X420300100	74LS10
X420300140	74LS14
X420300200	74LS20
X420300270	74LS27
X420300300	74LS30
X420300320	74LS32
X420300510	74LS51
X420300540	74LS54
X420300730	74LS73
X420300740	74LS74A
X420300750	74LS75
X420300860	74LS86
X420300930	74LS93
X420301230	74LS123
X420301390	74LS139
X420301450	74LS145
X420301560	74LS156
X420301610	74LS161A
X420301630	74LS163A
X420301640	74LS164
X420301750	74LS175
X420301950	74LS195A
X420302210	74LS221
X420302440	74LS244
X420302450	74LS245
X420302730	74LS273
X420303670	74LS367
X420303730	74LS373
X420303740	74LS374
X420303930	74LS393
X420305410	74LS541
X420500000	74LS00
X420500020	74LS02
X420500040	74LS04
X420500080	74LS08
X420500100	74LS10
X420500110	74LS11
X420500320	74LS32
X420500370	74LS37
X420500400	74LS40
X420500740	74LS74A
X420501120	74LS112A
X440029020	987
X440029040	928M
X440032060	7406
X440038120	966
X440041040	2079
X440055560	978
X440057330	927D
X440063050	960
X440064940	1729
X440069050	961
X440070490	4049
X440072920	943M
X440073860	823
X440078051	977
X440078054	977
X440079120	967
X440095550	955M
X440140050	960
X440150640	1680
X440150790	2090
X440160660	4066B
X440193050	1930
X440223110	922M
X440672200	1885
X440672210	1885
X440751880	75188
X440751890	75189
X440755400	1737
X440756330	1737
X440759820	1736
X460405000	4050B
X460406901	4069
X460409300	4093B
X460458400	40106B
XA05	287
XA55	288
XA101	160
XA102	160
XA103	160
XA104	160
XA111	160
XA112	160
XA121	116
XA122	102A
XA123	160
XA124	160
XA126	160
XA131	160
XA141	160
XA142	160
XA143	160
XA151	158
XA152	158
XA161	160
XA492D	129
XA494	159
XA495	159
XA-495	159
XA495(C)	159
XA495AC	159
XA495C	159
XA-495C	129
XA495D	129
XA701	101
XA702	101
XA703	101
XA1018	128
XA-1071	123A
XA-1072	159
XA-1078	130
XA-1093	124
XA-1095	128
XA-1139	123A
XA-1140	159
XA-1160	152
XA-1161	130
XA-1164	234
XA1199	197
XAA104	7402
XAA105	7430
XAA106	7440
XAA107	7473
XAA108	7476§
XAA109	7490
XAN-351	3054
XAN351	3054
XAN354	3059
XAN-354	3059
XAN-361	3052
XAN361	3052
XAN362	3065
XAN-362	3065
XAN-364	3056
XAN381	3055
XAN-381	3055
XAN-384	3060
XAN384	3060
XAN-3051	3054
XAN3051	3054
XAN-3054	3059
XAN3054	3059
XAN-3061	3052
XAN3061	3052
XAN-3062	3065
XAN3062	3065
XAN-3064	3056
XAN3064	3056
XAN3081	3055
XAN-3081	3055
XAN-3084	3060
XAN3084	3060
XB1	102
XB1A	102A
XB2	102
XB2A	102A
XB2,XB4	103A + 158(CP)
XB2/XB4	103A + 158(CP)
XB3	102
XB3A	102A
XB3B	102
XB3BN	102A
XB3C	102
XB3C-1	102A
XB4	103
XB4-1	102A
XB-5	121
XB5	104
XB7	104
XB-7	121
XB8	160
XB9	160
XB10	160
XB12	128
XB13	102A
XB14	121
XB102	102A
XB103	102A
XB104	102A
XB112	102A
XB113	102A
XB114	102A
XB152	145A
XB401	186
XB404	152
XB408	152
XB413	320
XB476	152
XC-049	135A
XC70	5071A
XC101	102A
XC121	102A
XC131	102A
XC141	121
XC142	121
XC155	104
XC156	104
XC171	102A
XC209	3007
XC-209A	3009
XC209A	3009
XC-209G	3010
XC209G	3010
XC-209Y	3011
XC209Y	3011
XC225C	1377
XC-309-12	3008
XC371	107
XC372	123A
XC373	123A
XC374	123A
XC-556	3025
XC556	3025
XC-556-2	3025
XC556-2	3025
XC723	130
XC1312	799
XC1312A	799
XC-1312A	799
XC1312P	799
XC5053	3020
XC-5053	3020
XC-5053A	3023
XC5053A	3023
XC5053G	3024
XC-5053G	3024
XC-5053Y	3021
XC5053Y	3021
XD2A	110MP
XD-2581-42	5635
XD-2581-42	5635
XEJ040017	123A
XF-148217	102A
XG1	160
XG2	160
XG3	160
XG5	160
XG8	102A
XG10	160
XG11	160
XG12	160
XG24	160
XG28	103A
XG29	103A
XG30	123A
XG32	158
XG33	103A
XGS7001	2347
XGS7002	2347
XGS-7002	282§
XHPF1299	1232
XI-548	130
XI-549	175
XJ13	102
XJ13-1	102A
XJ71	160
XJ72	160
XJ73	160
XL-56	3011
XL56	3011
XN12A	104
XN12B	104
XN12C	104
XN12E	104
XN12F	104
XN-400-318-P1	123A
XN-400-319-P2	159
XNC101	103
XP-258i-82	5635
XP-2581-82	5635
XPS30800	124
XQ-1N60	109
XQ-1S1555	177
XQ-1S2207	616
XQ-1S2339	610
XQ-1SS16	112
XQ-2N5062	5402
XQ-2N6558	171
XQ-2SB568	398
XQ-2SC383	85
XQ-2SC605	313
XQ-2SC606	313
XQ-2SC684	107
XQ-2SC1106	94
XQ-2SC1514	376
XQ-2SD478	375
XQ-601-36	283
XQ-ERB24-04D	552
XQ-ERB26-20	525
XQ-ERC26-13	506
XQ-LM1274	107
XQ-LM2152	123AP
XQ-LM2682	128
XQ-MC1352	749
XQ-MJE9742	157
XQ-MPS9433	123AP
XQ-MPS9682	159
XQ-RD6.2E	5013A
XQ-RD11FB	5074A
XQ-RD12EC	142A
XQ-RD12FB	142A
XQ-UPD1986C	1758
XQ-W06	116
XQ-WO6	116
XR082CN	858M◆
XR-082CP	858M
XR082CP	858M
XR084CP	859
XR-555	955M
XR-555CP	955M
XR-556	978
XR-556CP	978
XR556V	978
XR-558CP	926
XR-567ACP	832
XR-567CN	832
XR-567CP	832
XR742	979§
XR1310N	801
XR-1458CP	778A
XR1488	75188
XR1488N	75188
XR1488P	75188
XR1489	75189
XR1489N	75189
XR1489P	75189
XR2001CP	2011
XR2002CP	2012
XR2003CP	2013
XR2201CP	2011
XR2202CP	2012
XR2203CP	2013
XR2204CP	2014
XR2206	892
XR2206CP	892
XR2240CN	893
XR2240CP	893
XR3403CN	987◆
XR3403CP	987◆
XR-3470A	3470
XR-3470ACN	3470
XR-3470ACP	3470
XR3524	1720
XR-4136CP	997
XR4151CP	890
XR-4195	1941
XR-4195CP	1941
XR4558	778A
XR-4558CP	778A
XR6118CP	2021
XR8038	864
XR-8038CN	864
XR-8038CP	864
XR-8038P	864
XR-13600	870
XR-13600CP	870
XRA6209U	1716
XRA6418N	7042
XR-L555	955MC
XR-L555CN	955MC
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Z3B200R	5232A
Z3B220CF	5136A
Z3B240CF	5137A
Z3B270CF	5139A
Z3B330CF	5142A
Z3B560CF	5148A
Z3B820CF	5153A
Z3B1000CF	5156A
Z3.3	5066A
Z3.6	134A
Z3.9	134A
Z3.9(Zener)	5067A
Z4A8.2	5072A
Z4B3.0	5065A
Z4B3.3	5066A
Z4B3.6	134A
Z4B3.9	5067A
Z4B4.3	5068A
Z4B4.7	5069A
Z4B5.1	5116A
Z4B5.6	136A
Z4B6.2	137A
Z4B6.8	5071A
Z4B7.5	138A
Z4B8.2	5072A
Z4B9.1	139A
Z4B10	140A
Z4B12	142A
Z4B13	143A
Z4B-15	145A
Z4B15	145A
Z4B16	5075A
Z4B18	5077A
Z4B20	5079A
Z4B22	5080A
Z4B24	5081A
Z4B27	146A
Z4B27-9	146A
Z4B30	5084A
Z4B33	147A
Z4B36	5085A
Z4B39	5086A
Z4B43	5087A
Z4B47	5088A
Z4B51	5089A
Z4B56	5090A
Z4B62	1449A
Z4B68	5092A
Z4B75	5093A
Z4B82	150A
Z4B91	5095A
Z4B100	5096A
Z4B110	151A
Z4B120	5097A
Z4B130	5098A
Z4B150	5100A
Z4B160	5101A
Z4B180	5103A
Z4B200	5105A
Z4B(Zener)	5007A
Z4C3.6	134A
Z4C5.6	136A
Z4D3.6	134A
Z4D5.6	136A
Z4MW333	123A
Z4X5.1A	135A
Z4X5.1B	135A
Z4X5.6	136A
Z4X9.1	139A
Z4X11	141A
Z4X12	142A
Z4X13	143A
Z4X14	144A
Z4X14B	144A
Z4X15	145A
Z4X-15	145A
Z4XL6.2	137A
Z4XL6.2B	137A
Z4XL7.5	138A
Z4XL7.5B	138A
Z4XL9.1	139A
Z4XL9.1B	139A
Z4XL12	142A
Z4XL12B	142A
Z4XL14	144A
Z4XL14B	144A
Z4XL16	5075A
Z4XL16B	5075A
Z4XL18	5077A
Z4XL18B	5077A
Z4XL20	5079A
Z4XL20B	5079A
Z4XL22	5080A
Z4XL22B	5080A
Z4XL75	138A
Z4.3	5068A
Z4.7	5069A
Z5A3.3	5005A
Z5A3.9	134A
Z5A5.1	5010T1
Z5A5.6	5011T1
Z5A6.2	5013T1
Z5A10	5019T1
Z5A12	5021T1
Z5A20	5079A
Z5B2	142A
Z5B3.0	5004A
Z5B3.3	5005A
Z5B3.6	5006A
Z5B3.9	5007A
Z5B4.3	5008A
Z5B4.7	5009A
Z5B5.1	5010A
Z5B5.6	5011A
Z5B6.2	5013A
Z5B6.8	5014A
Z5B7.5	5015A
Z5B8.2	5016A
Z5B9.1	5018A
Z5B10	5019A
Z5B11	5020A
Z5B12	5021A
Z5B13	5022A
Z5B15	5024A
Z5B-15	145A
Z5B16	5025A
Z5B18	5027A
Z5B20	5029A
Z5B22	5030A
Z5B24	5031A
Z5B27	5033A
Z5B30	5035A
Z5B33	5036A
Z5C3.3	134A
Z5C3.9	134A
Z5C4.7	135A
Z5C5.1	135A
Z5C5.6	136A
Z5C6.2	137A
Z5C6.8	5014A
Z5C8.2	5016A
Z5C9.1	139A
Z5C10	140A
Z5C12	142A
Z5C-15	145A
Z5C15	145A
Z5C18	5027A
Z5C20	5029A
Z5C22	5030A
Z5D3.3	134A
Z5D3.9	134A
Z5D4.7	135A
Z5D5.1	135A
Z5D5.6	136A
Z5D6.2	137A
Z5D6.8	5014A
Z5D8.2	5016A
Z5D9.1	139A
Z5D10	140A
Z5D12	142A
Z5D-15	145A
Z5D15	145A
Z5D18	5027A
Z5D20	5029A
Z5D22	5030A
Z5D91CF	5185A
Z5D100CF	5186A
Z5D110CF	5187A
Z5D120CF	5188A
Z5D130CF	5189A
Z5D150CF	5191A
Z5D160CF	5192A
Z5D180CF	5194A
Z5D200CF	5196A
Z5D220CF	5197A
Z5D240CF	5198A
Z5D270CF	5200A
Z5D300CF	5202A
Z5D330CF	5203A
Z5D360CF	5204A
Z5D390CF	5205A
Z5D430CF	5206A
Z5D470CF	5208A
Z5D510CF	5210A
Z5D560CF	5212A
Z5D620CF	5214A
Z5D680CF	5215A
Z5D750CF	5216A
Z5D820CF	5217A
Z5D910CF	5219A
Z5D1000CF	5220A
Z5.1(Zener)	5010A
Z5.1B	5010A
Z5.6	136A
Z5.6(Zener)	5011A
Z5.6BM	5011A
Z6	5070A
Z6A2(Zener)	5011A
Z6.2	137A
Z6.2A	137A
Z6.2L	137A
Z6.8	5071A
Z7A1(Zener)	5014A
Z7L271	1V175
Z7.5	138A
Z7.5BM	5015A
Z8.2	5072A
Z8.2A	5072A
Z8.2B	5072A
Z8.2C	5072A
Z8.2D	5072A
Z9-1B1	5018A
Z9.1B	5018A
Z9.1B1	5018A
Z9.1BL	5018A
Z10	140A
Z10A(Zener)	5019A
Z10B(Zener)	5019A
Z10K	140A
Z10L271	524V17
Z11	5074A
Z11B	5020A
Z11B1	5020A
Z11BL	5020A
Z11BM	5020A
Z11BMTA	5020A
Z12	142A
Z12(Zener)	5021A
Z12A	142A
Z12B(Zener)	5021A
Z12BM	5021A
Z12K	142A
Z12.0	5021A
Z13	143A
Z14B(Zener)	144A
Z-15	145A
Z15	145A
Z15K	145A
Z-15K	145A
Z15L271	524V17
Z18	5077A
Z18(MOV)	1V010
Z20	104
Z21L271	524V17
Z22	5080A
Z22(MOV)	1V014
Z24	5013A
Z24A(Zener)	5031A
Z24BL	5031A
Z24BLTA	5031A
Z27	146A
Z27(MOV)	1V017
Z27-A	146A
Z30(Zener)	5035A
Z30B(Zener)	5035A
Z30BM	5035A
Z33	147A
Z33(MOV)	1V020
Z33.3B	5066A
Z39	5086A
Z39(MOV)	1V025
Z47(MOV)	1V030
Z56(MOV)	1V035
Z68(MOV)	1V040
Z80A-CPUB1	3880
Z80A-CPU-CS	3880
Z80A-CPUD1	3880
Z80A-CPU-PS	3880
Z80A-CTCB1	3882
Z80A-CTC-CS	3882
Z80A-CTCD1	3882
Z80A-CTC-PS	3882
Z80A-PIOB1	3881
Z80A-PIO-CS	3881
Z80A-PIOD1	3881
Z80A-PIO-PS	3881
Z80-CPUB1	3880
Z80-CPU-CS	3880
Z80-CPUD1	3880
Z80-CPU-PS	3880
Z80-CTCB1	3882
Z80-CTC-CS	3882
Z80-CTCD1	3882
Z80-CTC-PS	3882
Z80-PIOB1	3881
Z80-PIO-CS	3881
Z80-PIOD1	3881
Z80-PIO-PS	3881
Z82(MOV)	1V050
Z82B	150A
Z92	194
Z100	5096A
Z100(MOV)	1V060
Z101	5072A
Z110	151A
Z111Z	142A
Z120	5097A
Z120(MOV)	1V075
Z130	5098A
Z131-20UL	524V13
Z131-20ULB	524V13
Z131-70UL	524V13
Z140	5099A
Z150	5100A
Z150(MOV)	1V095
Z160	5101A
Z170	5102A
Z-175-011	177
Z180	5103A
Z190	5104A
Z200	5105A
Z390(MOV)	1V250
Z430	5141A
Z430(MOV)	1V275
Z470(MOV)	1V300
Z537	147A
Z631	149A
Z694	139A
Z714	139A
Z801	137A
Z-963B	142A
Z1000	5005A
Z1002	5007A
Z-1004	5069A
Z1004	5009A
Z-1006	136A
Z1008	5014A
Z-1010	138A
Z1010	5016A
Z1012	5019A
Z-1012	5019A
Z1013A	4919
Z-1014	142A
Z1014	5021A
Z1016	5024A
Z-1016	145A
Z-1016A	145A
Z1018	5027A
Z1018(Surge Diode)	4927
Z1020	5030A
Z1020A	4929
Z1022	5033A
Z-1022	146A
Z-1022-3	146A
Z1024	5036A
Z-1024	147A
Z1027A	4935
Z1051A	4951
Z-1068	4958
Z1068A	4959
Z1100	5067A
Z1100-C	5067A
Z-1102	5069A
Z1102	5069A
Z1102-C	5069A
Z1103	135A
Z1104	136A
Z-1104	136A
Z1104-C	136A
Z1106	5071A
Z1106-C	5071A
Z1107	138A
Z1108	5072A
Z1108-C	5072A
Z1109	139A
Z1110	140A
Z1110-C	140A
Z1112	142A
Z-1112C	142A
Z1112-C	142A
Z-1114	145A
Z1114	145A
Z1114-C	145A
Z1116	5077A
Z1116-C	5077A
Z1118	5080A
Z1118-C	5080A
Z1120	146A
Z-1120	146A
Z1120-C	146A
Z1122	147A
Z-1122	147A
Z1128	5090A
Z-1128	5090A
Z1130	149A
Z-1132	150A
Z1132	150A
Z1134	151A
Z-1140	136A
Z1140	136A
Z1145	136A
Z-1145	136A
Z1150	136A
Z-1150	136A
Z1155	136A
Z-1155	136A
Z1160	136A
Z-1160	136A
Z-1165	136A
Z1165	136A
Z-1170	136A
Z1170	136A
Z1202	5069A
Z1212	142A
Z1214	145A
Z1216	5077A
Z1220	146A
Z1222	147A
Z1226	148A
Z-1240	136A
Z-1245	136A
Z1250	136A
Z-1250	136A
Z-1255	136A
Z1255	136A
Z-1260	136A
Z1260	136A
Z-1265	136A
Z1265	136A
Z-1270	136A
Z1270	136A
Z1302	5176AK
Z1304	5178AK
Z1310	5186A
Z1312	5188A
Z1314	5191A
Z1316	5194A
Z1318	5197A
Z1320	5200A
Z1322	5203A
Z1324	5205A
Z1326	5208A
Z1328	5212A
Z1330	5215A
Z1332	5217A
Z1334	5220A
Z1336	5223A
Z1338	5226A
Z1340	5230A
Z1540	136A
Z-1540	136A
Z1545	136A
Z-1545	136A
Z-1550	136A
Z-1555	136A
Z1555	136A
Z-1560	136A
Z1560	136A
Z-1565	136A
Z1565	136A
Z-1570	136A
Z1570	136A
Z2500(HEP)	5111A
Z2502(HEP)	5113A
Z2504(HEP)	5115A
Z2506(HEP)	5117A
Z2508(HEP)	5119A
Z2510(HEP)	5121A
Z2513(HEP)	5124A
Z2514(HEP)	5125A
Z2516(HEP)	5127A
Z2519(HEP)	5130A
Z2522(HEP)	5133A
Z2525	5136A
Z2526(HEP)	5137A
Z2528(HEP)	5139A
Z2530	5141A
Z2531(HEP)	5142A
Z2537(HEP)	5148A
Z2542(HEP)	5153A
Z2545(HEP)	5156A
Z2547(HEP)	5158A
Z2548	5159A
Z3305	5247A
Z3307	5249A
Z3309	5252A
Z3311	5254A
Z3314	5257A
Z3317	5260A
Z3320	5263A
Z3323	5266A
Z3325	5269A
Z3327	5271A
Z3334	5278A
Z3340	5285A
Z3500(HEP)	5174AK
Z3502(HEP)	5176AK
Z3504(HEP)	5178AK
Z3505(HEP)	5180AK

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

To Be Replaced	ECG Replacement
Z3507(HEP)	5182AK
Z3511(HEP)	5185A
Z3512(HEP)	5186A
Z3514(HEP)	5188A
Z3516(HEP)	5191A
Z3518(HEP)	5194A
Z3520(HEP)	5197A
Z3522(HEP)	5200A
Z3524(HEP)	5203A
Z3530(HEP)	5212A
Z3534(HEP)	5217A
Z3536(HEP)	5220A
Z4728A	5066A
Z4729A	134A
Z4730A	5067A
Z4731A	5068A
Z4732A	5069A
Z4733A	5116A
Z4734A	136A
Z4735A	137A
Z4736A	5071A
Z4737A	138A
Z4738A	5072A
Z4739A	139A
Z4740A	140A
Z4741A	5074A
Z4742A	142A
Z4743A	143A
Z4744A	145A
Z4745A	5075A
Z4746A	5077A
Z4747A	5079A
Z4748A	5080A
Z4749A	5081A
Z4750A	146A
Z4751A	5084A
Z4752A	147A
Z4753A	5085A
Z4754A	5086A
Z4755A	5087A
Z4756A	5088A
Z4757A	5089A
Z4758A	5090A
Z4759A	149A
Z4760A	5092A
Z4761A	5093A
Z4762A	150A
Z4763A	5095A
Z4764A	5096A
Z5140	136A
Z-5140	136A
Z5145	136A
Z-5145	136A
Z5150	136A
Z-5150	136A
Z-5155	136A
Z5155	136A
Z5160	136A
Z-5160	136A
Z5165	136A
Z-5165	136A
Z5170	136A
Z-5170	136A
Z5240	136A
Z-5240	136A
Z-5245	136A
Z5245	136A
Z-5250	136A
Z5250	136A
Z-5255	136A
Z5255	136A
Z5260	136A
Z-5260	136A
Z-5265	136A
Z5265	136A
Z-5270	136A
Z5270	136A
Z-5540	136A
Z5540	136A
Z5545	136A
Z-5545	136A
Z-5550	136A
Z5550	136A
Z-5555	136A
Z5555	136A
Z5560	136A
Z-5560	136A
Z5565	136A
Z-5565	136A
Z5570	136A
Z-5570	136A
Z6013A	4919
Z6018A	4927
Z6020A	4929
Z6027A	4935
Z6051A	4951
Z6068A	4959
Z10003	923D
Z-28058-1	123A
Z330611	116
ZA6.8B	5071A
ZA7.5B	138A
ZA8.2	5072A
ZA8.2A	5072A
ZA8.2B	5072A
ZA9.1	139A
ZA9.1A	139A
ZA9.1B	139A
ZA10B	140A
ZA11	141A
ZA11A	141A
ZA11B	5074A
ZA12	142A
ZA12A	142A
ZA12B	142A
ZA13	143A
ZA13A	143A
ZA13B	143A
ZA15	145A
ZA15A	145A
ZA15B	145A
ZA15V	145A
ZA16B	5075A
ZA18B	5077A
ZA20B	5079A
ZA22B	5080A
ZA24B	5081A
ZA27	146A
ZA27A	146A
ZA27B	146A
ZA30B	5084A
ZA33	147A
ZA33A	147A
ZA33B	147A
ZA36B	5085A
ZA39B	5086A
ZA43B	5087A
ZA47B	5088A
ZA51B	5089A
ZA56	148A
ZA56A	148A
ZA56B	5090A
ZA62	149A
ZA62A	149A
ZA62B	149A
ZA68B	5092A
ZA75B	5093A
ZA82	150A
ZA82A	150A
ZA82B	150A
ZA91B	5095A
ZA100B	5096A
ZA110	151A
ZA110A	151A
ZA110B	151A
ZA120B	5097A
ZA130B	5098A
ZA150	166
ZA150B	5100A
ZA160B	5101A
ZA180B	5103A
ZA200B	5105A
ZA29312	519
ZA100962E	108
ZA105604	102A
ZAC6.8B	5120A
ZAC7.5	5121A
ZAC7.5A	5121A
ZAC7.5B	5121A
ZAC9.1	5124A
ZAC9.1A	5124A
ZAC9.1B	5124A
ZAC10	5125A
ZAC10A	5125A
ZAC10B	5125A
ZAC11B	5126A
ZAC12	5127A
ZAC12A	5127A
ZAC12B	5127A
ZAC13B	5128A
ZAC15	5130A
ZAC15A	5130A
ZAC15B	5130A
ZAC16B	5131A
ZAC18	5133A
ZAC18A	5133A
ZAC18B	5133A
ZAC20B	5135A
ZAC22	5136A
ZAC22A	5136A
ZAC22B	5136A
ZAC24B	5137A
ZAC27	5139A
ZAC27A	5139A
ZAC27B	5139A
ZAC30B	5141A
ZAC33	5142A
ZAC33A	5142A
ZAC33B	5142A
ZAC36B	5143A
ZAC39B	5144A
ZAC43B	5145A
ZAC47B	5146A
ZAC51B	5147A
ZAC56	5148A
ZAC56A	5148A
ZAC56B	5148A
ZAC62B	5150A
ZAC68B	5151A
ZAC75B	5152A
ZAC82	5153A
ZAC82A	5153A
ZAC82B	5153A
ZAC82.B	5122A
ZAC91B	5155A
ZAC100	5156A
ZAC100A	5156A
ZAC100B	5156A
ZAC110B	5157A
ZAC120	5158A
ZAC120A	5158A
ZAC120B	5158A
ZAC130B	5159A
ZAC150B	5161A
ZAC160B	5162A
ZAC180B	5164A
ZAC200B	5166A
ZAG-9673	159
ZAR110	5809
ZAR210	5890
ZAR610	5809
ZAR710	5809
ZAX9.1	118
ZB-1	141A
ZB1	5079A
ZB1-1	5074A
ZB1-6	5070A
ZB1-8	5072A
ZB1-9	139A
ZB1-9V	139A
ZB-1-9.5	139A
ZB-1-9.5V	139A
ZB1-10	142A
ZB1-11	141A
ZB1-12	142A
ZB1-13	143A
ZB1-14	144A
ZB1-15	145A
ZB-1-15A	118
ZB1-16	5075A
ZB1-16V	5075A
ZB1-18	5077A
ZB1-19	5078A
ZB1-23	5081A
ZB1-27	146A
ZB1-35	147A
ZB-1-35	147A
ZB1-50	5089A
ZB1-100	5096A
ZB1-110	151A
ZB1-125	5098A
ZB1-130	5098A
ZB-1.12	142A
ZB1.8	138A
ZB3.3	5066A
ZB3.3A	5066A
ZB3.3B	5066A
ZB3.6	134A
ZB3.6A	134A
ZB3.6B	134A
ZB3.9	5067A
ZB3.9A	5067A
ZB3.9B	5067A
ZB4.3	5068A
ZB4.3A	5068A
ZB4.3B	5068A
ZB4.7	5069A
ZB4.7A	5069A
ZB4.7B	5069A
ZB5.1	135A
ZB5.1A	135A
ZB5.1B	135A
ZB5.6	136A
ZB5.6A	136A
ZB5.6B	136A
ZB6.2	137A
ZB6.2A	137A
ZB6.2B	137A
ZB6.8	5071A
ZB6.8A	5071A
ZB6.8B	5071A
ZB7.5	138A
ZB7.5A	138A
ZB7.5B	138A
ZB8.2	5072A
ZB8.2A	5072A
ZB8.2B	5072A
ZB9.1	139A
ZB9.1A	139A
ZB9.1B	139A
ZB10	140A
ZB10A	140A
ZB10B	140A
ZB10X	140A
ZB11	5074A
ZB-11	5074A
ZB11A	5074A
ZB11B	5074A
ZB12	142A
ZB12A	142A
ZB12B	142A
ZB13	143A
ZB13A	145A
ZB13B	143A
ZB15	145A
ZB15A	145A
ZB-15A	145A
ZB15B	145A
ZB16	5075A
ZB16A	5075A
ZB16B	5075A
ZB18	5077A
ZB18A	5077A
ZB18B	5077A
ZB20	5079A
ZB20A	5080A
ZB20B	5079A
ZB22	5080A
ZB22A	5080A
ZB22B	5080A
ZB24	5081A
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ZO-27A	146A
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ZO-33B	147A
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ZO-62A	149A
ZO-62B	149A
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ZO-82B	150A
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ZO-110B	151A
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ZOB6.2	137A
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ZP4.3	5068A
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ZP8.2	5016A
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ZP9.1	139A
ZP9.1A	139A
ZP9.1B	139A
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ZP12	142A
ZP12A	142A
ZP12B	142A
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ZP-15	145A
ZP-15A	145A
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ZP-15B	145A
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ZP27B	146A
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ZP62A	149A
ZP62B	149A
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ZP82A	150A
ZP82B	150A
ZP110	151A
ZP110A	151A
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ZP2018	4926
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ZP2020	4928
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ZP2027	4934
ZP2027A	4934
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ZP2051A	4950
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ZP2068A	4958
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ZP2102Y	2102
ZP2104K	2104
ZP2104Y	2104
ZP2114K	2114
ZP2114Y	2114
ZP2117K	2117
ZP2117Y	2117
ZP2147K	2147
ZP2147Y	2147
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ZPD8.2	5016A
ZPD9.1	5018A
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ZPD39	5038A
ZPD43	5039A
ZPD47	5040A
ZPD51	5041A
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ZPU100	5096A
ZPU120	5097A
ZPU150	5100A
ZPU180	5103A
ZPY3.9	5067A
ZPY4.3	5068A
ZPY4.7	5069A

When basing of original part differs from ECG replacement, basing for original part is shown in parentheses ( ) after the part number. For example, the 2SA509A(ECB) is replaced by ECG159 which has "EBC" basing.

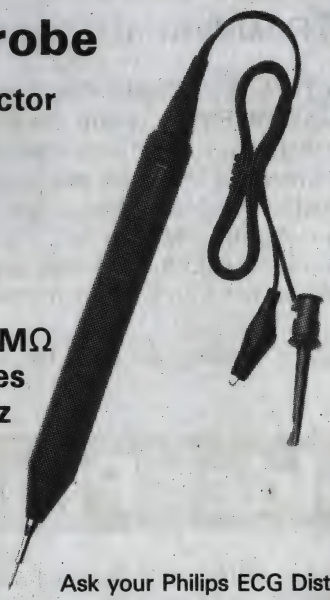
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ZPY100	5096A
ZQ-6	5070A
ZQ9.1	139A
ZQ9.1A	139A
ZQ9.1B	139A
ZQ12	142A
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ZQ12B	142A
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ZQ-15B	145A
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ZQ82B	150A
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ZQ110B	151A
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ZR11	5801
ZR12	5802
ZR13	5804
ZR14	5804
ZR15	116
ZR20	5940
ZR21	5944
ZR22	5944
ZR50B793-1	142A
ZR50B793-3	146A
ZR50B849-1	146A
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ZR202	5874
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ZR208	5886
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ZR829-120	137A
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ZS10B	116
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ZS-23	116
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ZS-24	116
ZS25	116
ZS-25	116
ZS27	146A
ZS27A	146A
ZS27B	146A
ZS30	116
ZS30A	116
ZS-30A	116
ZS-30B	116
ZS30B	116
ZS31	116
ZS-31A	116
ZS31A	116
ZS31B	116
ZS-31B	116
ZS32	116
ZS32A	116
ZS-32A	116
ZS-32B	116
ZS32B	116
ZS33	147A
ZS-33A	116
ZS33A	147A
ZS33B	147A
ZS-33B	116
ZS34	116
ZS34A	116
ZS-34A	116
ZS34B	116
ZS-34B	116
ZS38	158
ZS40	177
ZS-50	116
ZS50	116
ZS51	116
ZS52	116
ZS-52	116
ZS-53	116
ZS53	116
ZS56	158
ZS61	137A
ZS62	149A
ZS62A	149A
ZS62B	149A
ZS70	116
ZS-71	116
ZS71	116
ZS72	116
ZS73	116
ZS-73	116
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ZS78B	125
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ZS82B	150A
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ZS108	116
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ZS110B	151A
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ZS174	116
ZS174B	116
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ZS274	5804
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ZS702	5802
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ZS6011	137A
ZS6020	137A
ZS6021	137A
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ZT5.6B	136A
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ZT20-55	123A
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ZT21-1	123A
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ZT21-55	123A
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ZTR-1S1555	177
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ZTX312	123AP
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ZTX320	108
ZTX321	108
ZTX326	316
ZTX330	123AP
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ZTX530D	159
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ZU82	150A
ZU82A	150A
ZU82B	150A
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ZU110A	151A
ZU110B	151A
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ZV9.1A	139A
ZV9.1B	139A
ZV12	142A
ZV12A	142A
ZV12B	142A
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ZW3	5065A
ZW3.3	5066A
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ZW3.9	5067A
ZW4.3	5068A
ZW4.7	5069A
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ZW6.8	5071A
ZW7.5	138A
ZW8.2	5072A
ZW9.1	139A
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ZW30	5084A
ZW33	147A
ZX-070	5071A
ZX070	138A
ZXL-14	144A
ZXY-14	144A
ZXY14B	144A
ZY3.9	5067A
ZY4.3	5068A
ZY4.7	5069A
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ZY8.2	5072A
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ZY15A	145A
ZY15B	145A
ZY-15B	145A
ZY16	5075A
ZY18	5077A
ZY20	5079A
ZY22	5080A
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ZY33A	147A
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ZY51	5089A
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ZY62A	149A
ZY62B	149A
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ZY75	5093A
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ZY82A	150A
ZY82B	150A
ZY91	5095A
ZY100	5096A
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ZY110A	151A
ZY110B	151A
ZY120	5097A
ZY130	5098A
ZY150	5100A
ZY160	5101A
ZY180	5103A
ZY200	5105A
ZZ3.3	5066A
ZZ3.6	134A
ZZ3.9	5067A
ZZ4.1	135A
ZZ4.3	5068A
ZZ4.7	5069A
ZZ5.1	135A
ZZ5.6	136A
ZZ6.2	137A
ZZ6.8	5071A
ZZ7.5	138A
ZZ8.2	5072A
ZZ9.1	139A
ZZ10	140A
ZZ11	5074A
ZZ12	142A
ZZ13	143A
ZZ15	145A
ZZ-15	145A
ZZ18	5027A
ZZ22	5030A
ZZ27	146A
ZZ33	147A
ZZ62	149A
ZZ82	150A
ZZ110	151A

♦, #, @, *, +, §, ‡ - See Special Notes on Page 2-2

Logic Circuit Test Probes

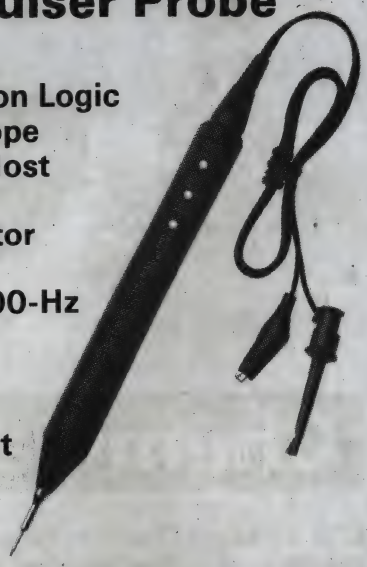
PR21 Logic Probe

- 20 MHz Pulse Detector
- Switch Selectable
  - Pulse Detection or Memory
  - TTL/CMOS
- Audible Logic State Tones
- Input Impedance 1 MΩ
- Detects 30-ns Pulses
- Operates to 20 MHz
- Color Coded LEDs
- Circuit Powered



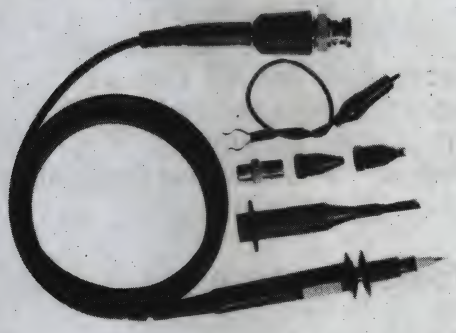
PR31 Logic Pulser Probe

- Pulse Generator
- Use with Companion Logic Probe PR21 or Scope
- Compatible with Most Logic Families
- Direct Signal Injector (Square Wave)
- Switchable 0.5/400-Hz Pulse Rate
- Sources/Sinks 100 mA Pulses
- External Sync Input
- Circuit Powered



Ask your Philips ECG Distributor for Publication ET-2711.

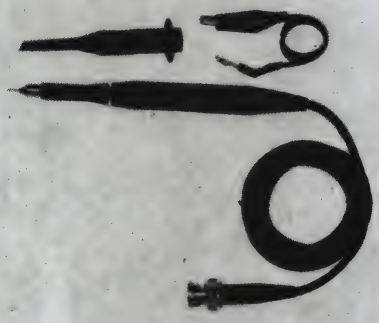
Oscilloscope Probes



PR100 100 MHz Bandwidth
PR200A 200 MHz Bandwidth

- Compatible with Popular Scopes
- Switchable X1, X10 and Ground Reference
- Stable Calibration
- Ground Clip Rotates 360°
- 5′ Flexible Cable
- Pin Point Probe Tip

Ask your Philips ECG Distributor for Publication ET-2711.



PR60
60 MHz Bandwidth

TV Accessories

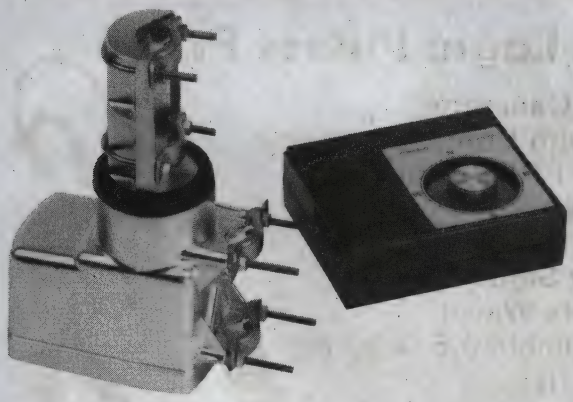
- High Gain UHF/VHF/FM Antenna Amplifiers (UL Listed)
- TV/VCR/FM Indoor Distribution Amplifiers (UL Listed)
- Splitters (Indoor/Outdoor)
- Signal Separators/Combiners
- Attenuators (Variable and Fixed Inline)
- High Isolation A/B Switches
- Matching Transformers (Indoor/Outdoor)
- Coaxial Cable Accessories



Ask your Philips ECG Distributor for Publication ET-2559.

S

Antenna Rotators



■ U-105 Residential Rotator — UL Listed

- High Torque — Easily Handles Largest TV/FM Antenna Arrays
- Fully Automatic Rotator Control
- Synchronized Position Indictor
- Corrosion Resistant Materials
- Sealed Against Moisture
- Optional TB-105 Support Bearing Available for Extra-Rigid Installation

Ask your Philips ECG Distributor for Publication ET-2601.

Chemicals and Solder Products

ECG Advanced Chemicals developed and manufactured for the Electronics and Electrical industries. Ideal for plant maintenance, production, field service, consumer electronics service and computer maintenance. These products comply with PROTECTION OF STRATOSPHERIC OZONE Federal Regulation 40CFR, Part 82.



■ AC Series Aerosol Products

- Solvents and Degreasers
- Circuit Refrigerants
- Computer/Circuit Board Cleaner
- Tuner and Contact Cleaners
- Lubricants
- Flux Removers
- Jet Air Cleaner
- Tape/Disk Head Cleaner
- Glass and Enclosure Cleaner

■ Electronic Solders, Desoldering Braids

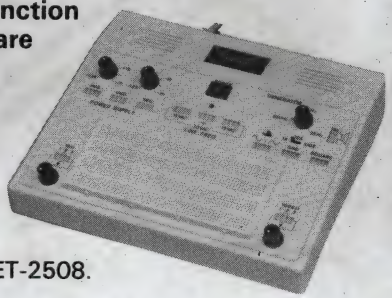
Ask your Philips ECG Distributor for Publications ET-2653 and ET-2695.

Circuit Designers

✓ Permits Circuit Design/Test at Desk ✓ No Need for Support Circuits ✓ Solderless Breadboarding

■ Analog Circuit Designer — ACD100

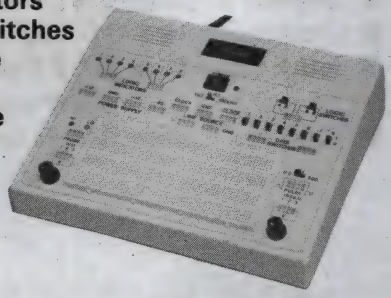
- Two Adjustable DC Power Supplies
- 15 VAC and 30 VAC Supplies
- 200 Hz - 200 kHz Function Generator Sine, Square and Triangular Wave Outputs
- Built-in Speaker
- 1 k and 100 k Pots
- 1380 Tiepoints



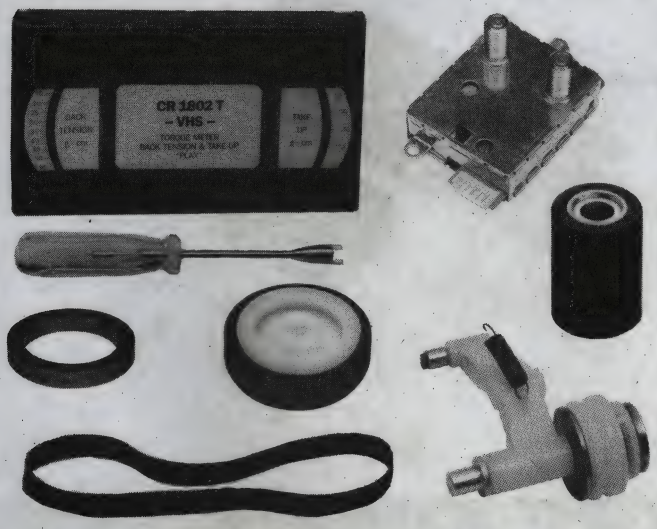
Ask your Philips ECG Distributor for Publication ET-2508.

■ Digital Circuit Designer — DCD100

- +5 V, +12 V, -12 V DC Power Supplies
- Switch Selectable Clock Generator
- 8 LED Logic Indicators
- 2 Logic, 8 Data Switches
- Line Source Square Wave Output
- Built-in Logic Probe
- Switch Selectable Pulse Generator
- 1380 Tiepoints



Audio and Video Products VHS



■ VCR Mechanical Replacement Parts

- Pinch Rollers
- Idler Wheel Assemblies
- Modulators
- Tires
- Belts

- Video Test Cassettes
- Audio Test, Demagnetizer and Cleaning Cassettes
- Servicing Tools and Test Jigs
- Lube, Cleaning and Hardware Kits
- Sensor Lamps, Photo Sensitive Transistors

Ask your Philips ECG Distributor for Publication ET-2539-3.

Cable Converters

■ 70 to 139 Channel Capability
■ Infrared Remote Control

- ON/OFF • Recall • Memory
- Channel • Fine Tuning

TV-1000A — 70 VHF/Cable Channels with Sleep Timer

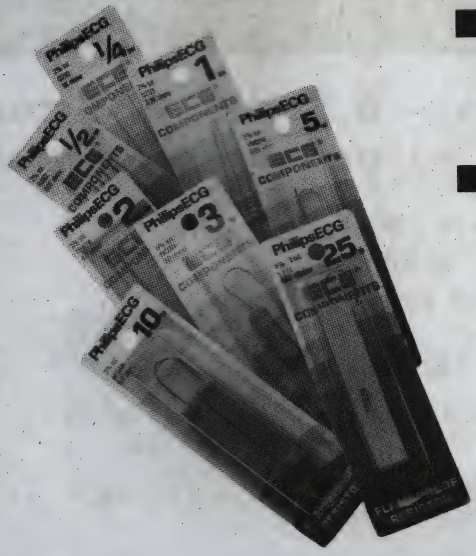
TV-1100 — 75 VHF/Cable Channels with Sleep Timer

TV-2000A — 139 UHF/VHF/Cable Channels with Remote-Controlled Volume/Mute and A/V Outputs



Ask your Philips ECG Distributor for Publication ET-2538.

Flameproof Resistors



■ Over 1000 Types

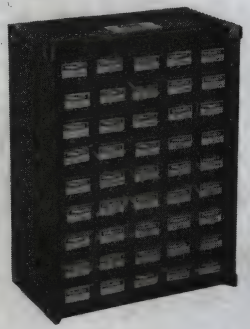
- 0.1 Ohm-100 Megohms
- 1/4 W-25 W
- 2% and 5% Tolerance

■ Film
■ Wirewound
■ High Power (Ceramic Square Case)

■ Available in

- Blister Packs
- Assortments
- Kits in Cabinets
- Bulk

Take advantage of the tight tolerances and excellent stability and reliability of ECG Flameproof Resistors. And, ECG Flameproof Resistors can provide all the replacements you need without maintaining a large inventory.



Ask your Philips ECG Distributor for Publication ET-2185.

S

Rechargeable Batteries

- **Direct Replacements for**
  - Camcorders
  - Cordless Phones
  - Memory Backup
  - Radio Controlled Model Vehicle
- **75 ECG Types Replace Over**
  - 2400 Manufacturer's Part Numbers
  - 100 Popular Brands
- **Comprehensive Cross Reference**

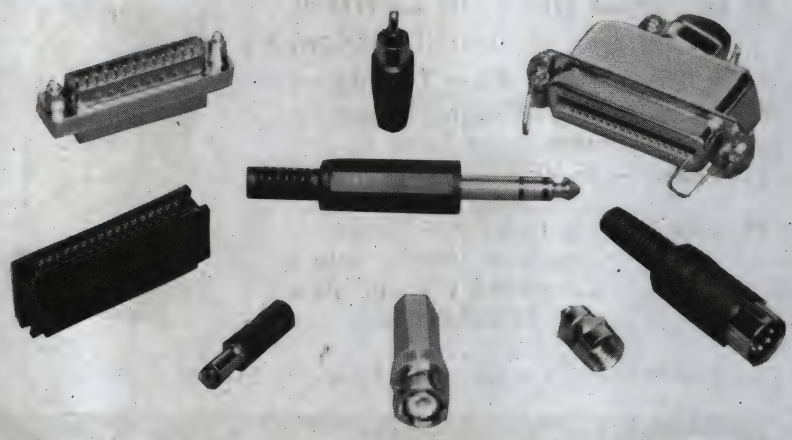


Ask you Philips ECG Distributor for Publications ET-2545-1, ET-2551-2 and ET-2699.

Connectors and Adaptors

For Computer, Audio and Video Applications

- **Connectors**
  - D Type
  - Centronics
  - Card Edge
  - Socket
  - Header Pin
  - IC
  - DIN
- **Adaptors**
  - F Type
  - BNC
  - RCA
  - Audio Phone
  - DC Power
  - Banana Tip



Ask your Philips ECG Distributor for Publication ET-2577.

Wiring Accessories



Cable Ties — 5 Styles, 22 Sizes

- Standard
- Ultraviolet and Weather Resistance
- Screwdown
- Releaseable
- All Nylon
- Marker
- Assortment and Bulk Available

WA-1 Cable Tie Gun

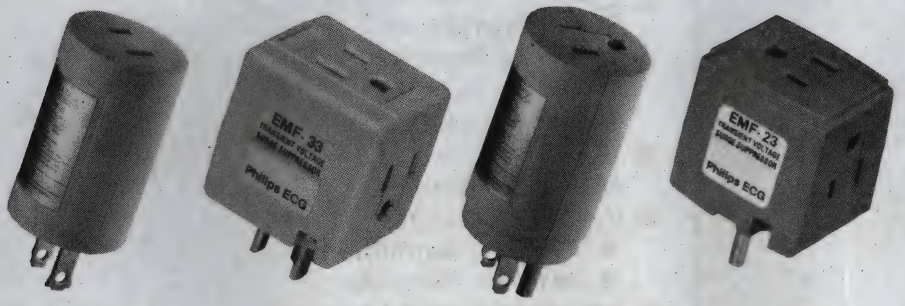
- Cinches Cable Ties Quickly and Tightly
- Works With All Common Size Ties

Ask your Philips ECG Distributor for Publication ET-2306.

EMF™ Surge Suppressors

General Purpose Models

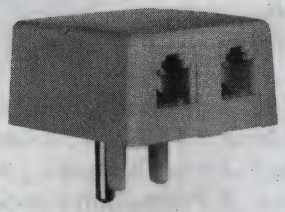
*UL Listed



EMF-2* EMF-33* EMF-3* EMF-23

- **AC Line Surge Protection**
  - Fast Acting MOV Protection - <5 nanosec
  - Up to 80-Joule Energy Rated
  - 15 A Rated with Thermal Overload Protection
  - 2 and 3 Prong Models
  - 1 and 3 Outlets

EMF-232 Telephone Line Protector



- Simple Plug-In Installation
- Utilizes Power Line Ground
- Fast Acting - <5 nanosec
- 6-Foot Interconnecting Cable Included
- Suppresses Transients
  - Tip to Ground
  - Ring to Ground

Power Outlet Strips — 5 Models to Choose From:

UL Listed
* CSA Certified

- Single or Full 3-Mode Surge Protection
- EMI/RFI Noise Filter
- Phone Line Protection
- Spike Energy Absorption 50 to 100 Joules Max
- Nanosecond Response Time
- 15 A/125 VAC (1875 W Max)
- Illuminated Power Switch
- Surge Protection Indicator
- Resettable Circuit Breaker
- Keyhole Slot Mounting



EMF-61
90° Rotated Outlets
Plus Single Mode
Surge Suppression

EMF-63A
EMI/RFI Noise Filter
Surge Protection Indicator
Plus 3 Mode Surge
Suppression

EMF-65
Phone Line Protection
EMI/RFI Noise Filter
Surge Protection Indicator
Plus 3 Mode Surge
Suppression

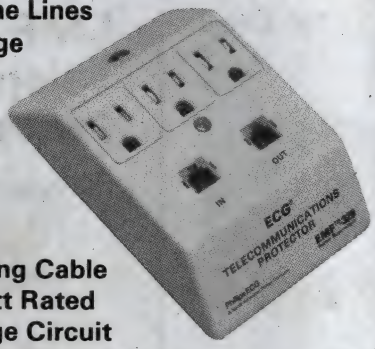
EMF-67
90° Rotated Outlets
EMI/RFI Noise Filter
Plus 3 Mode Surge
Suppression

EMF-615RF
EMI/RFI Noise Filter
Surge Protection Indicator
Plus 3 Mode Surge
Suppression

*** EMF-61 and EMF-63A only.**

S

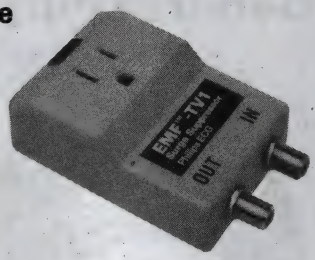
EMF-325 Telephone/ Power Line Protector



- Protects All Telephone Lines
- 3-Mode AC Line Surge Protection
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- Plug-In Installation
- 8-Foot Interconnecting Cable
- 15-Amp / 1875-Watt Rated
- Fused Output & Surge Circuit
- Power & Protection Indicator Lamp

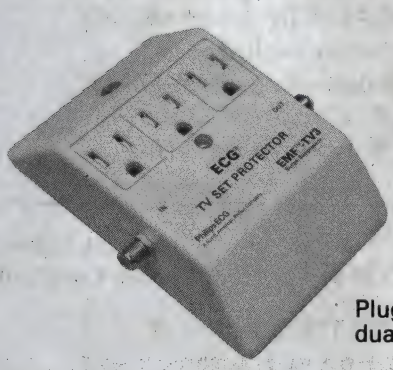
Plugs into standard dual 3-prong receptacle

EMF-TV1 TV Signal/ Power Line Protector



- TV Line Surge Protection
  - Gas Discharge Tube
- 3 Mode AC Line Surge Protection
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- 15-Amp/ 1875-Watt Rated
- Passes Power to:
  - Antenna Amplifiers
  - Satellite Receivers
- Power Indicator Lamp

TV Signal/ Power Line Protector



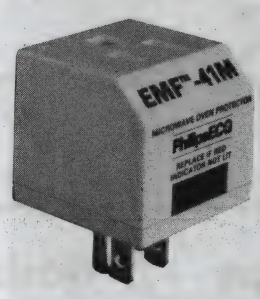
EMF-TV3

Plugs into standard dual 3-prong receptacle

- TV Line Surge Protection
- 3-Mode AC Line Surge Protection
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- Plug-In Installation
- 15-Amp / 1875 Watt Rated
- Fused Output & Surge Circuit
- Power & Protection Indicator Lamp

Microwave Oven Protector

UL Listed



EMF-41M

- 3-Mode AC Line Surge Suppression
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- RF Noise Filter
- Handles Surge Currents Up to 7200 Amps
- Fused Surge Protection Circuit
- Surge Protection Indicator Lamp
- Fast Acting - <5 nanosec
- 15-Amp Rated
- Spike Energy Absorption Up to 114 Joules

RS-232 Data Line Protector



EMF-232C

- Data Line Protection for . . .
  - Rx — Receive Data
  - Tx — Transmitt Data
  - SG — Signal Ground
- Standard DB25 Male to DB25 Female Connectors
- All 25 Pins Are Wired Through Unit
- Handles Surge Currents Up to 250 Amps
- Spike Energy Absorption Up to 1.2 Joules
- Easy to Install

Master Power Control

UL Listed

- MASTER Outlet Controls Four Auxiliary Outlets Electronically
- 3-Mode Surge Suppression
  - Hot to Neutral
  - Hot to Ground
  - Neutral to Ground
- Spike Energy Absorption 100 Joules
- Nanosecond Response to Transient Voltage Spikes
- Power and Surge Indicator Lights
- 15 A/120 V AC, (1875 W Max.)
- Resettable Circuit Breaker
- Fused Surge Protection Circuit

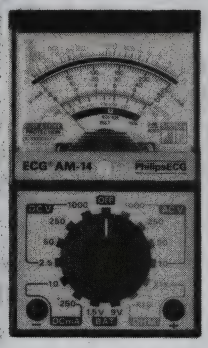


EMF-515MC

Ask your Philips ECG Distributor for Publications ET-2314-2, ET-2637, ET-2638, ET-2706 and ET-2710.

Multimeters

AM-14
Multitester



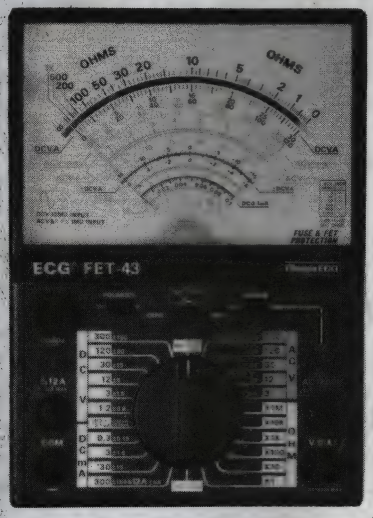
- 6 Functions, 14 Ranges
- Jeweled Meter Movement
- ±4% Basic DC Accuracy
- 2¼" Mirrored Scale
- Pocket Size
- 10 KΩ/V DC, 4 KΩ/V AC Input Sensitivity
- Battery Test — 1.5 V and 9 V
- Fuse/Diode Protection

AM-20
General Purpose VOM



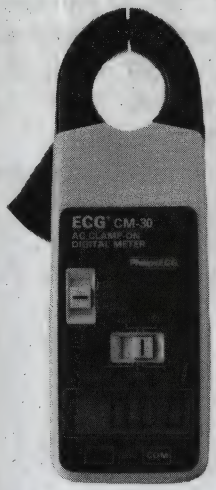
- 9 Functions, 20 Ranges
- ±3% Basic DC Accuracy
- 3½" Mirrored Scale
- Jeweled Meter Movement
- 20 KΩ/V DC, 8 KΩ/V AC Input Sensitivity
- 10-Amp DC Range
- 1000 Volts AC/DC
- Transistor I_{CEO} Test
- Diode Test (Measures V_F)
- Continuity Buzzer
- Fuse/Diode Protection

FET-43
FET Input Multimeter



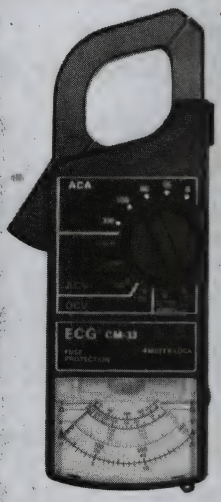
- 5 Functions, 43 Ranges
- ±2.5% Basic DC Accuracy
- 10 MΩ DC, 1 MΩ AC Input Res.
- 4½" Mirrored Scale
- Low Battery Indicator
- Jeweled Meter Movement
- Measures Resistance to 1000 Megohms
- 1200 V AC/DC
- Overload Protection
- Zero Center Scale Adj.

CM-30
AC Clamp-On Digital Meter



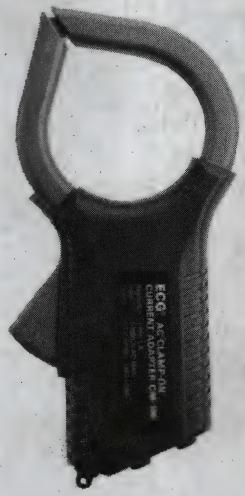
- 3 Functions, 5 Ranges
  750/200 V AC
  300/200 A AC
  2000 Ohms
- Audible Continuity Test
- ±2.0% Basic Accuracy (1.0% Voltage Ranges)
- Data Hold
- Fast Response Time
- 1" Closed Jaw Dia.
- 3½ Digit LCD, 0.5" H
- Overload Protection
- Durable (Withstands 4-Foot Drop)

CM-33
Clamp-On Analog Meter



- 5 Functions, 12 Ranges
  6/15/60/150/300 A AC
  150/300/600 V AC
  60 V DC
  3 K/300 KΩ
  −55°F to +300°F
- 3% AC/DC Accuracy F.S.
- 1-1/8" Closed Jaw Dia.
- Color Coded Scale and Panel
- Zero Ω Adjust
- Meter Point for Lock
- Probe Holder

CM-100
AC Clamp-On Current Adapter



- Adds AC Clamp-On Current Capability to Standard DMMs
- 0-1000 Amps AC
- Works with Most DMMs (Full Scale ≤1-2 V AC)
- ±2.5% Basic Accuracy (0-800 A; 3.0% 800-1000 A)
- 1 mV/1 A Resolution
- 0-1 V RMS AC Output with ≥1 mΩ Meters
- 2.1" Jaw Opening
- Small Size
- Light Weight

S

CX-920A

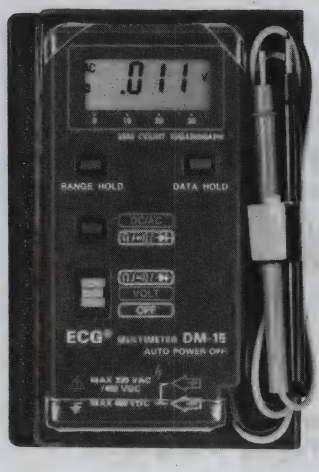
Capacitance Meter



- Portable
- 9 Ranges
- Measures to 20 mF (20,000 μF)
- 0.5% Basic Accuracy
- 3½ Digit LCD, 0.55" H
- Zero Adjustment
- Input Protected
- Low Battery Indicator
- Overrange Indicator

DM-15

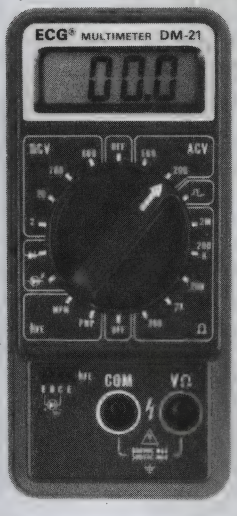
Pocket Digital Multimeter



- Autoranging
- Auto Power Off
- Bar Graph
- 3½ Digit LCD, 0.35" H
- 3200 Count
- Data Hold
- Range Hold
- Diode Test
- Audible Continuity Test

DM-21

Digital Multimeter



- 7 Functions, 11 Ranges
- 0.8% Basic DC Accuracy
- 3½ Digit LCD, 0.55" H
- Transistor hFE Test
- Diode, LED Test
- Square Wave Generator
- Low Power Ohms
- Overload Protection
- Low Cost

DM-50

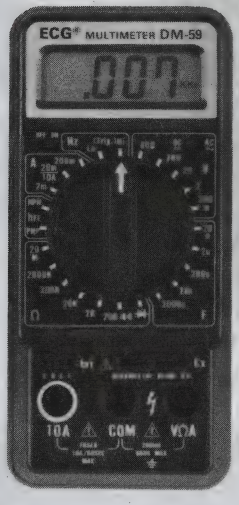
Digital Multimeter



- 9 Functions, 20 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.55" H
- Frequency Counter
- Transistor hFE Test
- Battery Tester
- Diode, Continuity Test
- 20 MΩ F.S.
- 10 A DC
- Low Cost

DM-59

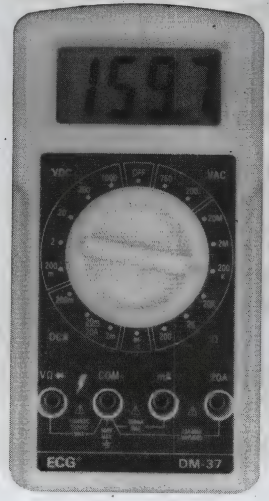
Digital Multimeter



- 10 Functions, 30 Ranges
- 0.5% Basic DC Accuracy
- 3½ Digit LCD, 0.55" H
- Frequency Counter
- Transistor hFE Test
- Capacitance Test
- Diode, Continuity Test
- 20 MΩ F.S.
- 10 A AC/DC

DM-37 Heavy Duty

Large Display DMM



- 0.9" H, 3½ Digit LCD
- Withstands 5' Drop
- 0.5% Basic DC Accuracy
- 20 MΩ F.S.
- 20 A DC
- Diode Test
- Audible Continuity Test
- 10 MΩ Input Res.
- Overload Protection

Ask your Philips ECG Distributor for Publication ET-2711.

DM-38 Heavy Duty

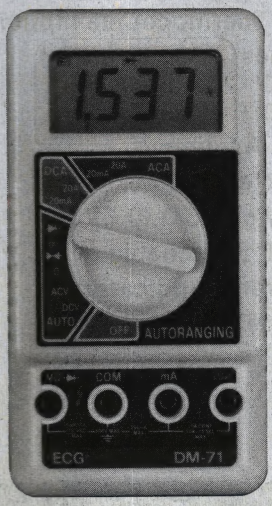
3¾ Digit DMM



- 3¾ Digit LCD (3999 Count) 0.5" H
- Withstands 3' Drop
- 0.5% Basic DC Accuracy
- 40 MΩ F.S.
- 20 A AC/DC
- Peak Hold
- Logic Detector
- Frequency Counter
- Transistor h_{FE} Test
- Diode Test
- Capacitance Test

DM-71 Heavy Duty

Autorange DMM



- Withstands 5' Drop
- 3½ Digit LCD, 0.65" H
- Range Indicator
- 0.5% Basic DC Accuracy
- 10 MΩ Input Z
- 20 MΩ Full Scale
- 20 A AC/DC
- Diode Test
- Audible Continuity Test
- Overload Protection

DM-78A Heavy Duty

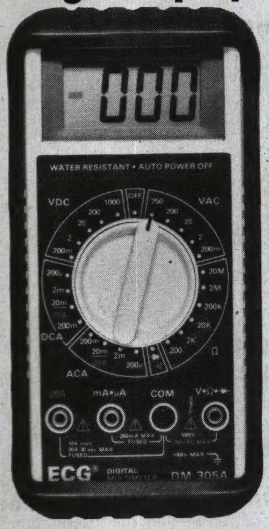
Autorange DMM



- Water Resistant
- Withstands 5' Drop
- Protective Holster
- 65 Segment Analog Bar Graph
- 0.5% Basic DC Accuracy
- Auto Power Off
- 3200 Count LCD, 0.55" H
- 10 MΩ Input Z
- Data Hold
- Input Warning Beeper
- 20 A AC/DC Fused
- Diode Test
- Probe Holder

DM-305A Heavy Duty

Large Display DMM



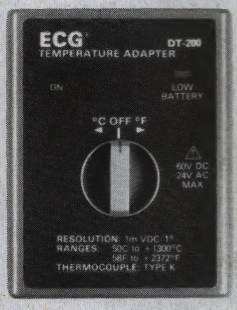
- 0.8" H, 3½ Digit LCD
- Water Resistant
- Withstands 5' Drop
- Protective Holster
- 0.5% Basic DC Accuracy
- Auto Power Off
- Diode Test
- Audible Continuity
- 20 A AC/DC Fused
- Input Warning Beeper
- 10 MΩ Input Z
- Overload Protection
- Tilt Stand
- Probe Holder

Ask your Philips ECG Distributor for Publication ET-2711.

Thermometers

DT-200

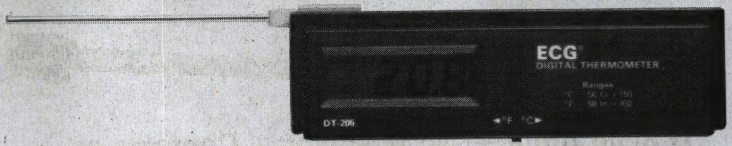
Temperature Adapter



- Converts DMM to Direct Reading Thermometer
- Ranges
  - -50°C to +1300°C
  - -58°F to +2372°F
- ±0.5% Accuracy
- Up to 0.1° Resolution
- 1.0 mV DC/Degree Output with ⩾ 10 MΩ Meters
- C or F Switchable
- Multiple Adapter Jacks
- K-Type Thermocouple

DT-205

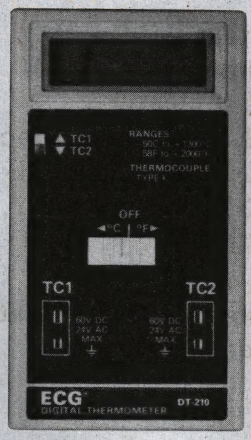
Handheld Digital Thermometer



- Pocket Size - Light Weight
- Ranges
  - -50°C to +150°C
  - -58°F to +302°F
- ±1°C, ±2°F Accuracy
- Up to 0.1° Resolution
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- Built-In Retractable 3½" Probe
- Overrange Indicator

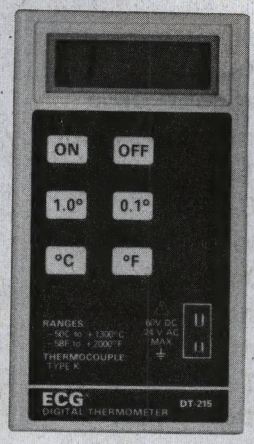
S

DT-210
Digital Thermometer



- Dual Thermocouple Inputs
- Ranges
  - -50°C to +1300°C
  - -58°F to +2000°F
- 0.3% Accuracy
- 1.0° Resolution
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- Overrange Indicator
- K-Type Thermocouple

DT-215
Digital Thermometer



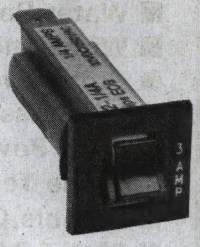
- Touch Pad Controls
- Ranges
  - -50°C to +1300°C
  - -58°F to +2000°F
- 0.2% Accuracy
- 3½ Digit LCD, 0.5" H
- C or F Switchable
- Overrange Indicator
- K-Type Thermocouple

Ask your Philips ECG Distributor for Publication ET-2711.

Circuit Breakers

- Single Pole Thermal Type
- 0.25" Quick Connect Terminals

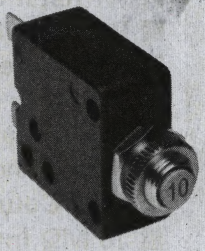
Series CB2



- Ratings From ¼ to 15 Amps
- Replaces Most Standard Fuse Holders
- Snap In Mounting
- Rocker Style Reset Switch

- Replaces 7400 Part Numbers and 11 Brands
- UL and CSA Listed

Series CB5



- Ratings From 1 to 20 Amps
- Thread Mountable
- Recessed Reset Button
- Push to Reset

Ask your Philips ECG Distributor for Relays and Accessories Catalog ET-2700.

Proximity Switches

51 ECG Types Replace 1800 Manufacturers Part Numbers, 25 Brands

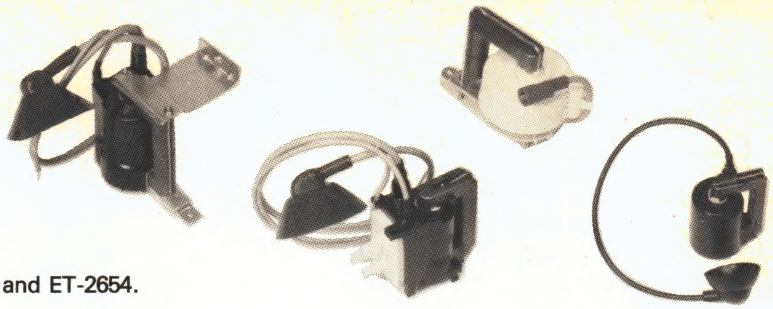


- Solid State — No Mechanical Contacts or Moving Parts to Wear Out
- Precision Sensing at Distances From 1.5 to 15 mm
- Sensing Speeds Up to 1000 Hz
- Metal Sensitive
- Broad Operating Voltage Ranges - 10-30 VDC, 35-250 VAC
- AC & DC Types
- Short Circuit Reverse Polarity and RFI Protection
- UL & CSA Listed
- NEMA 4, 4X, 6, 11, 12, 13, 18 Rated

Ask your Philips ECG Distributor for Relays and Accessories Catalog ET-2700.

Flyback Transformers

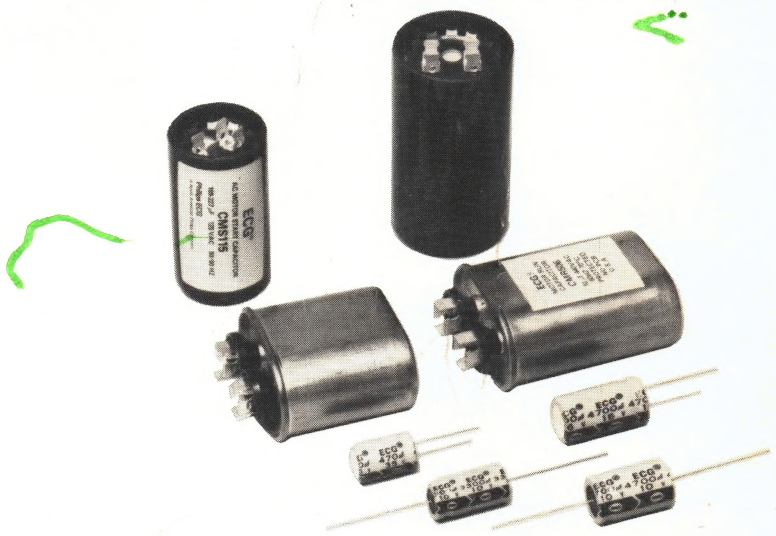
- **Direct Replacements for**
  - Television
  - Computer Monitors
  - Color and Monochrome
  - 48 Popular Brands



Ask your Philips ECG Distributor for Publication ET-2574-2 and ET-2654.

Capacitors and Accessories

- **Polarized/Non-Polarized Aluminum Electrolytic Capacitors**
  - Radial and Axial Lead Styles
  - Snap-In
- **Tantalum Electrolytic Capacitors**
  - Voltages 6.3 to 50 V
- **Ceramic Disk Capacitors**
  - 50 V, 1000 V and 3000 V Types
- **Metalized Film**
- **Memory Back-Up Capacitors**
  - High Capacitance Values (Farads)
- **AC Motor Start Capacitors**
  - 125, 250, 330 VAC
- **AC Motor Run Capacitor**
  - 370 and 440 VAC Types
- **Accessories**
  - Mounting Brackets and End Caps

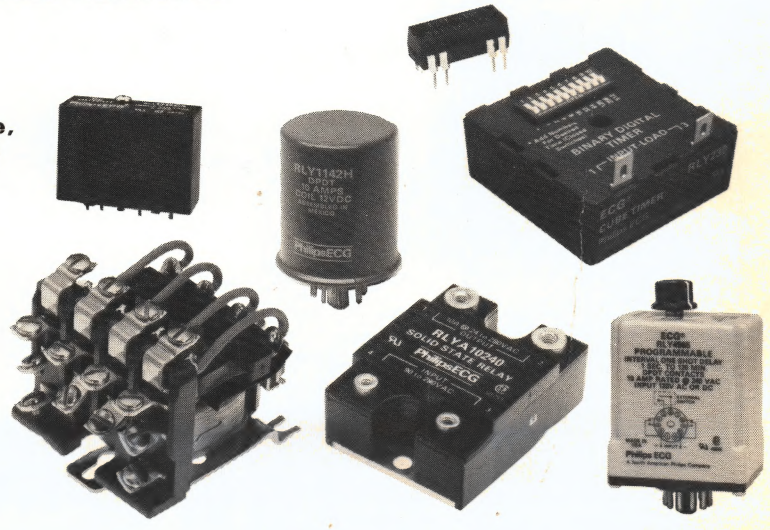


Ask your Philips ECG Distributor for Publication ET-2713.

Relays and Accessories

- Over 700 Relays and Accessories Now in Line
- Replaces Over 58,700 Industry Numbers, 210 Brands — More Than Any Other Line
- New 352-Page 7th Edition Catalog/Cross Reference

- **Relays**
  - Electromechanical - General Purpose, Heavy Duty Power, Miniature Heavy Duty Power, PC Mountable Subminiature, Magnetic Latching, Impulse, Automotive
  - Reed
  - DIP
  - Solid State
  - Time Delay
  - Programmable Time and Function
  - Digital Programmable Time, Count and Function
- **Magnetic Contactors**
- **Cube Timers — Delay On Operate**
- **Input/Output (I/O) Modules**
- **Proximity Switches**
- **Circuit Breakers**
- **Accessories — Sockets, DIN Mounting System, etc.**

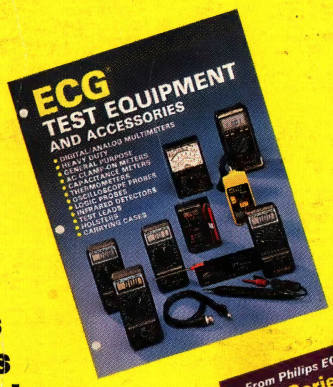


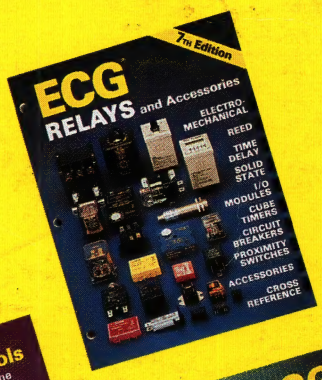
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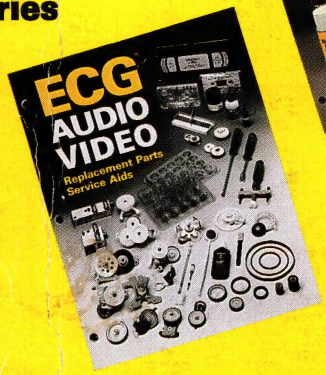
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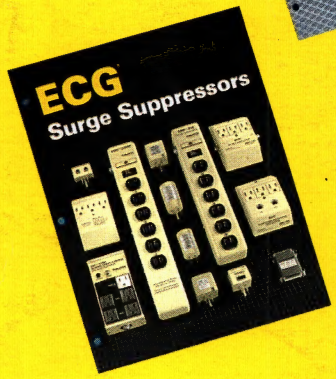


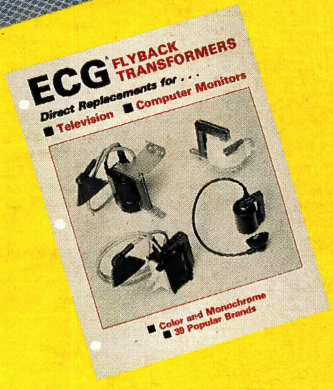






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